HSPGB

Haryana State Pollution Control Board C-11, Sector-6, Panchkula Website - www.hspcb.gov.in E-Mail - hspcb.ho@gmail.com Tele No. - 0172-2577870-73

HSPCB [14771 То

Dated: 26/04/2024

The Director General. Information, Public Relations & Cultural Affairs Department, Haryana, Chandigarh.

Sub: Public Hearing for obtaining Environment Clearance for the project Manufacturing of CRA sheets and steel Pipes " Located at Khasra No. 54/6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55/11/1, 20, 21/1, 21/2, 70/1, 2/1, 2/2, 3/1, 9, 10/1, 10/2,11,71/5 & 6 Village, Dudhola, Tehsil & District Palwal Haryana by M/s Prompt Enterprises Private Limited.

I have been directed to enclose herewith an advertisement regarding Public Hearing to be held on 29.05.2024 at 11:00 AM in respect to Environment Clearance for the unit M/s Prompt Enterprises Private Limited of the project manufacturing of CRA sheets and steel Pipes " Located at Khasra No. 54/6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55/11/1, 20, 21/1, 21/2, 70/1, 2/1, 2/2, 3/1, 9, 10/1, 10/2,11,71/5 & 6 Village, Dudhola, Tehsil & District Palwal, Haryana as per provision of EIA notification 2006 (amended thereof) for publication in the following leading newspapers on DAVP rates .:

1. One major national daily newspaper

2. One Regional Vernacular daily newspaper in Hindi.

The advertisement should appear on or before 28.04.2024 in the above said two newspapers only and bill of above two newspapers on DAVP rates may be sent to this office at the earliest. The bill payment of above said notice will be made for two newspapers only.

It is further, informed that Ministry of Environment of Forest & Climate Change Govt. of India has clarified vide Memo No. F. No. 19-206/2018-IA.III dated 10.04.2019 that publication of Public notice for public hearing does not violate the model code of conduct during the election (copy enclosed).

DA/Advertisement

CC:

A copy of the above is forwarded to the following for information and necessary action:-

- 1. Deputy Commissioner, Palwal.
- 2. The Chairman, Zila Parishad, District, Palwal.
- 3. Municipal Council / Corporation District, Palwal for display on Notice Board.
- 4. District Development and Panchayat Officer, Palwal
- 5. Deputy Director, District Industries Centre, Palwal.

DA/Advertisement.

26104/2024 Env. Engineer (HQ) For Member Secretary /L

7/2000

Env. Engineer (HQ) For Member Secretary

CC:

A copy of the above is forwarded to the following alongwith copy of EIA report and Executive Summary and CD for sending the same to the concerned authorities mentioned above to place the same in their offices for consultation of the general public during office hours:-

- 1. Regional Officer, Haryana State Pollution Control Board, II-Floor, HSVP Office Complex, Near Gymkhana Club, Sector-12, Palwal-121102.
- 2. M/s Prompt Enterprises Private Limited Plot No. 10-11, Sector-4, Ballabgarh, Faridabad-121004, Haryana.

3. Sr. EE (IT) to ensure that the notice is uploaded on the website of the Board. DA/Advertisement.

> 26/04/201 Env. Engineer (HQ) For Member Secretary

CC

A copy of the above is forwarded to the following for information please:-

- 1. The Additional Chief Secretary to Govt. Haryana, Environment & Climate Change Department, Haryana Chandigarh
- 2. The Director General, Environment & Climate Change Department, Haryana.
- 3. PS to Chairman / PA to Member Secretary

HARYANA STATE POLLUTION CONTROL BOARD <u>C-11, SECTOR-6, PANCHKULA</u> Website – www.hspcb.org.in E-Mail - hspcbho@gmail.com Tele Fax No. – 0172-2577870-73

Notice For Public Hearing

It is for the information of all concerned regarding conducting the Public Hearing for obtaining Environment Clearance for the project manufacturing CRA sheets and steel pipes " Located at Khasra No. 54/6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55/11/1, 20, 21/1, 22/2, 70/1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71/5 & 6 Village, Dudhola, Tehsil & District Palwal Haryana by M/s Prompt Enterprises Private Limited. This project is covered under the ambit of Environment Impact Assessment Notification dated 14 th Sep, 2006 issued by the Ministry of Environment, Forest and Climate Change Department, GOI, thus required to obtain Environmental Clearance. The detail of unit/project and date, time & venue of Public Hearing is given as under:-

| Sr. No. | Name of the Unit | Date of Public Hearing | Time of Public Hearing | Venue of Public Hearing |
|---------|--|---------------------------|---------------------------|---|
| 1. | M/s Prompt Enterprise Private Limited Plot No. 10-1 Sector-4, Ballabgark Faridabad-121004, Haryana. | 3 | 11:00 A.M | Village Dudhola, Distrcit Palwal Pin code 121102, Haryana. |

As a part of procedure for seeking the Environmental clearance, notified by the Ministry of Environment, Forest & Climate Change Department, Govt. of India, New Delhi vide Notification No. S.O. 1533 (E), dated 14.9.2006, the project proponent mentioned above have applied to the Haryana State Pollution Control Board, for conducting a Public Hearing so as to obtain views, suggestions and objection, if any, of the nearby Public on the proposed project. Copies of executive summary of the project and EIA study report, submitted by the project proponent, are available in the following offices, which can be perused during office hours, on any working day : -

- 1. Deputy Commissioner, Palwal.
- 2. Regional Officer, Haryana State Pollution Control Board, II-Floor, HSVP Office Complex, Near Gymkhana Club, Sector-12, Palwal-121102.
 - 3. O/o Chairman Zila Parishad, Palwal.
- 4. O/o Commissioner, Municipal Council, Palwal.
- 5. District Development and Panchyat Officer, Palwal.
- 6. Deputy Director, District Industries Centre, Palwal.

Notice is hereby given to all concerned, to file suggestions, views, comments and objections, if any, on the proposed project, to the Chairman, Haryana State Pollution Control Board, C-11, Sector -6, Panchkula as well as Regional Officer, Haryana State Pollution Control Board, II-Floor, HSVP Office Complex, Near Gymkhana Club, Sector-12, Palwal-121102 within 30 days, Besides, Public Hearing also will be held on the date, time & Venue mentioned above **at the proposed site** of the project, which can be attended by any person including bonafide residents, Environmental group and other located at the project site / sites of displacement / sites likely to be affected. Oral/Written

l/248397/2024

suggestion, if any be admissible for attending the Public Hearing. No TA/DA will be admissible for attending the Public Hearing.

> Pardeep Kumar, IAS Member Secretary

KEEP HARYANA CLEAN AND POLLUTION FREE

Prompt Enterprises Pvt. Ltd.

CIN No. — US190988220034444723366. Registered Office : 46-3/7, First Elma, Samma Vilar. New Debb/ 190852 (INDEX) Manufacturing : — 1428 Steel Anbes



Date: 25-01-2024

The Member Secretary Haryana State Pollution Control Board Sector-6, Panchkula (Haryana)

Sub: Regarding conducting Public Hearing for obtaining Environment clearance for the project "Manufacturing of CRCA sheets and Steel Pipes" Located at Khasra No 54//6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55//11/2, 20, 21/1, 21/2, 70//1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71//5 & 6 Village: Dudhola, Tehsil & District: Palwal, Haryana by M/s Prompt Enterprises Private Limited.

Respected Sir,

To,

In reference to your letter dated 04.01.2024 on the abovesaid subject, it is stated that we have submitted 10 Sets of Draft Environment Impact Assessment Report prepared in accordance with the Terms of Reference communicated after Scoping along with the 10 Sets of Executive Summary in English and Hindi both in Hard as well as in soft copy to the concerned Regional Office, Palwal, Haryana State Pollution Control Board.

Receiving copy of submission of 10 sets of Draft Environment Impact Assessment Report is attached as Annexure-1.

Receiving copy of Demand Draft of 150000/- as Fees submitted to Head Office, Haryana State Pollution Control Board is attached as Annexure-2.

Also, we are hereby submitting 01 Set of Draft Environment Impact Assessment Report along with Executive Summary in English and Hindi for your kind reference.

We request you to process our application for further perusal.

Thanking You, Yours Sincerely, War**fee Prompt Enterprise** (PV + 190) M & Prompt Enterprise (PV + 190)

NUMBER OF STREET AVE

Plant Free Constant (1997) - Plant Constant (1997) Foundation (1997) - Constant (1997) Plant (1997) - Constant (1997) - Constant (1997) Plant (1997) - Plant (1997) - Plant (1997) - Constant Plant (1997) - Plant (1997) - Constant (1997) - Constant Plant (1997) - Constant (1997) - Constant (1997) - Constant Plant (1997) - Constant (1997) - Constant (1997) - Constant Plant (1997) - Constant (1997) - Constant (1997) - Constant Plant (1997) - Constant (1997) - Constant (1997) - Constant Plant (1997) - Constant Pla

Canthone is a second consideration of the second sec

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer Nor 10454 3191551/2024/PAGE Enterprises Pvt. Ltd.

CIN No. := U51909D1.2003PTC123366 Registered Office := B-3/7, First Floot, Yamuna Vihar, New Delhi-140053 (INDIA) Manufacturing :== ERW Start Dubor Prompt

Manufacturing :- ERW Steel Tubes

Date: 16 October 2023

To, The Regional Officer (Palwal Region) Haryana State Pollution Control Board 2nd Floor, HSVP office Complex, Near Gym Khana Club Palwal (Haryana)

Sub: Regarding conducting Public Hearing for obtaining Environment clearance for the project "Manufacturing of CRCA sheets and Steel Pipes" Located at Khasra No 54//6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55//11/2, 20, 21/1, 21/2, 70//1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71//5 & 6 Village: Dadhola, Tehsił & District: Palwal, Haryana by M/s Prompt Enterprises Private Limited.

Respected Sir/Madam.

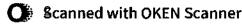
With reference to the above-mentioned subject, we are hereby submitting Draft Environment Impact Assessment Report to your concerned office for conducting public hearing as a part of EIA process for category B1.

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries/ units are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of 1 (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July. 2022. Hence no public consultation is required for existing part of the industry at Village Dhatir, Tehsil and District; Palwal.

Public Hearing is applicable only for the expansion part of the industry. Therefore, public hearing has to be carried at Village: Dudhola, Tebsil and District: Palwal (Haryana),

Please accept our application along with copy of Draft ELAC(10 Sets), Executive Summary (English and <u>Hindigatene</u>g with the demand draft of 150000 as fees in favour of Member Secretary, Haryana State Pollution Control Board payable at Panchkula for conducting public hearing.

indosed DDNO-530600. Highling You. (C to - The member . Socretary. Hangana Stite Rollidon Control Board (-11, Socior-G, Porchanda, Hangana-13, 100 Yours Sincerely, For M/s Prompt Enterprises PVT Ltd Authorized Signatory Plant-1 Plot No. 10 & 11, Sector-4, Bullabyrach, +91) (0129) 4069072 / 9205059072 /73 /74 Ewildabad(121004), Baryana (INDIA) (0129) 4069074 Plant-II Village Gadpurs, Palwal (121102), Haryan na promptsleel.com / accounts@promptsteel.com Plant-III Village Dhatir, Palwal (121102), Haryannyw.promptstael.com taryana State Pollution Control Board C-11, Sector 6, Panchkula





Date: 16-10-2023

(a) Statistics of KEDURAGARS
(a) Statistics of KEDURAGARS
(b) Statistics to match durage Kana Club
(b) Statistics to match Statistics to match Statistics of the statist

Respective San Mean and

With the same words, the second diffice for conducting public hearing as a part of HIA process for

of the construction of the providence of the second second

the state the single the state of the expansion part of the industry. Therefore, public hearing has to be the state of the industry. Therefore, public hearing has to be the state of the industry. Therefore, public hearing has to be

The second our application along with copy of Draft EIA (10 sets), Executive Summary (English and the demand draft of 150000 as fees in favour of Member Secretary, Haryana State structure control Bhard payable at Panchkula for conducting public hearing.

SINGH, Clerk 3 (SWM); CLERK, HSPCB on 26/04/2024 04:35 PM

Contraction of Life States (SMERA)

Landinan-(*91) (\$139) (\$139) Rak - (*91) (\$139) (\$1996) Rak - (*91) (\$139) (\$1996)





Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

<u>परियोजना का कार्यकारी सारांश</u>

1. परिचय

प्रॉम्प्ट एंटरप्राइजेज प्राइवेट लिमिटेड की स्थापना वर्ष 2008 में हुई थी। यह ईआरडब्ल्यू स्टील पाइप और कोल्ड रोल्ड क्लोज एनील्ड (सीआरसीए) शीट जैसे संरचनात्मक स्टील घटकों का निर्माण करती है। वर्तमान में, इसका धतीर गांव में सीआरसीए शीट और ईआरडब्ल्यू स्टील पाइप का विनिर्माण संयंत्र है जो 2021 से शुरू हुआ है। इसकी क्षमता 600 मीट्रिक टन/दिन सीआरसीए शीट और 95 मीट्रिक टन/दिन ईआरडब्ल्यू स्टील पाइप की है। अब धतीर गांव में मौजूदा संयंत्र को दुधोला गांव में उच्च उत्पादन क्षमता के लिए विस्तारित करने का प्रस्ताव है। विस्तार के बाद, कुल प्रस्तावित उत्पादन क्षमता 2100 मीट्रिक टन/दिन सीआरसीए शीट और 95 मीट्रिक टन/दिन ईआरडब्ल्य स्टील पाइप होगी।

इससे पहले, कोल्ड रोलिंग गतिविधियाँ ईआईए अधिसूचना 2006 और उसके बाद के संशोधनों के दायरे में शामिल नहीं थीं, इसलिए इस परियोजना पर पर्यावरणीय मंजूरी लागू नहीं थी। मौजूदा परियोजना ने हरियाणा प्रदूषण नियंत्रण बोर्ड से पत्र संख्या के माध्यम से संचालन की सहमति प्राप्त कर ली है। एचएसपीसीबी/सहमति/: 313102621PALCTO13467003 दिनांक 02/08/2021 सीआरसीए शीट @600 मीट्रिक टन/दिन और ईआरडब्ल्यू स्टील पाइप @95 मीट्रिक टन/दिन की क्षमता के लिए 30/09/2023 तक वैध है। मौजूदा परियोजना ने पेट्रोलियम से पेट्रोलियम वर्ग बी की स्थापना के लिए लाइसेंस प्राप्त किया है (P/NC/HN/15/1870 (P394505))- जो 31/12/2023 तक वैध है।

माननीय राष्ट्रीय हरित अधिकरण, एनजीटी के आदेश दिनांक 12 फरवरी, 2020 एवं पर्यावरण एवं वन मंत्रालय के निर्देशों के अनुसार, स्टैंडअलोन कोल्ड रोलिंग स्टेनलेस स्टील विनिर्माण उद्योगों को उनकी उत्पादन क्षमता के बावजूद 3 (ए) धातुकर्म उद्योगों के रूप में वर्गीकृत परियोजना/गतिविधि के तहत पूर्व पर्यावरण मंजूरी की आवश्यकता होती है और उन्हें सार्वजनिक सुनवाई से छूट दी जाती है, बशतें टीओआर के अनुदान के लिए आवेदन एक अवधि के भीतर किया जाना चाहिए। अधिसूचना की तारीख से 1 (एक) वर्ष की इसलिए, उद्योग के मौजूदा हिस्से के लिए किसी सार्वजनिक परामर्श की आवश्यकता नहीं है। हालाँकि, परियोजना के विस्तार भाग के लिए, सार्वजनिक सुनवाई लागू है। ईआईए अधिसूचना 14 सितंबर, 2006 और उसके संशोधन के अनुसार, परियोजना श्रेणी 3 (ए) में सूचीबद्ध है और श्रेणी "बी" के अंतर्गत आती है, अर्थात, अन्य सभी गैर विषैले माध्यमिक धातुकर्म प्रसंस्करण उद्योग और कुल उत्पादन के रूप में "बी 1" के अंतर्गत आता है। 8,01,175 टन प्रति वर्ष जो 5000 टन प्रति वर्ष से अधिक है।

पर्यावरण मंजूरी के लिए टीओआर अनुदान के लिए 04 अप्रैल 2023 को एसईआईएए, हरियाणा को ऑनलाइन आवेदन जमा किया गया। ऑटो टीओआर 07 अप्रैल 2023 को SEIAA, हरियाणा से जारी किया गया है। एसईआईएए, हरियाणा द्वारा जारी टीओआर पत्र जैसा कि एफ.एन.ओ. द्वारा प्राप्त किया गया है। SEIAA/HR/2023/329 दिनांक 07 अप्रैल 2023। इसी संबंध में यह EIA रिपोर्ट तैयार की गई है।

2. परियोजना स्थल

यह परियोजना ग्राम धतीर, जिला पलवल, हरियाणा में स्थित है । परियोजना की मुख्य विशेषताएं तालिका 2.1 में दर्शाई गई हैं।

| 0 | | प्रस्तावित विस्तार | AA |
|-------------------------------|--|---|---|
| Iddin | माजूदा इ काइ | इकाई | कुल |
| | सीआरसीए शीट: | सीआरसीए शीट: | सीआरसीए शीट्स: |
| | 600 मीट्रिक टन/दिन | 1500 मीट्रिक टन/दिन | 2100 मीट्रिक टन/दिन |
| उत्पादन क्षमता | ईआरडब्ल्यू स्टील | ईआरडब्ल्यू स्टील | ईआरडब्ल्यू स्टील |
| | पाइपः | पाइपः | पाइपः |
| | 95 मीट्रिक टन/दिन | शून्य | 95 मीट्रिक टन/दिन |
| क्षेत्रफल (वर्गमीटर) | 42443 वर्गमीटर | 60879.288 वर्गमीटर | 103322.288 वर्गमीटर |
| स्थायी कर्मियों की संख्या | 100 | 150 | 250 |
| अस्थायी श्रमिकों की संख्या | 300 | 350 | 650 |
| | 700 मीट्रिक टन/दिन | 1700 मीट्रिक टन/दिन | 2400 मीट्रिक टन/दिन |
| कच्चा माल | एचआरसीए शीट्स | एचआरसीए शीट्स | एचआरसीए शीट्स |
| | ्र १ केपलडी (प्रोरेल | 23 675 केप्रलडी (घरेल | 27.675 केएलडी 28 |
| | | | केएलडी के लिए |
| कुल पानी की मांग | उपयाग के लिए) | (() () () () () () () () () () () () () | (घरेलू उपयोग) |
| | 65 केएलडी | 398 केएलडी | 463 केएलडी |
| | (संयंत्र संचालन) | (संयंत्र संचालन) | (संयंत्र संचालन) |
| | क्षेत्रफल (वर्गमीटर) स्थायी कर्मियों की संख्या अस्थायी श्रमिकों की संख्या कच्चा माल | सीआरसीए शीट: उत्पादन क्षमता सीआरसीए शीट: उत्पादन क्षमता ६०० मीट्रिक टन/दिन ईआरडब्ल्यू स्टील पाइप: 95 मीट्रिक टन/दिन पाइप: केंग्रेफल (वर्गमीटर) 42443 वर्गमीटर स्थायी कर्मियों की 100 संख्या 100 अस्थायी श्रमिकों की 300 संख्या 300 कच्चा माल 700 मीट्रिक टन/दिन एचआरसीए शीट्स 4 केएलडी (घरेलू उपयोग के लिए) 65 केएलडी | विवरण मौजूदा इकाई हकाई सीआरसीए शीट: सीआरसीए शीट: सीआरसीए शीट: 600 मीट्रिक टन/दिन 1500 मीट्रिक टन/दिन ईआरडब्ल्यू स्टील प्राइप: 95 मीट्रिक टन/दिन शून्य क्षेत्रफल (वर्गमीटर) 42443 वर्गमीटर 60879.288 वर्गमीटर स्थायी कर्मियों की 100 150 संख्या 100 150 अस्थायी श्रमिकों की 300 350 संख्या 300 350 कच्चा माल 700 मीट्रिक टन/दिन एचआरसीए शीट्स एचआरसीए शीट्स एचआरसीए शीट्स उपयोग के लिए) उपयोग के लिए) 398 केएलडी |

तालिका 2.1. परियोजना की मुख्य विशेषताएं

| 7 | अपशिष्ट जल उत्पन्न | 3 केएलडी (घरेलू प्रवाह) 52 केएलडी (औद्योगिक बहिःस्राव) | 21 केएलडी (घरेलू प्रवाह) 318 केएलडी (औद्योगिक प्रवाह) | 24.03 केएलडी मान लीजिए 24 केएलडी (घरेलू प्रवाह) 370 केएलडी (औद्योगिक बहिःस्राव) |
|----|---|---|--|---|
| 8 | ईटीपी क्षमता (>उत्पन्न कुल अपशिष्ट जल से 20% अधिक) | 220 केएलडी | 230 केएलडी | 450 केएलडी |
| 9 | एसटीपी क्षमता (>उत्पन्न कुल अपशिष्ट जल से 25% अधिक) | | ए जल = 24 केएलडी [= 30 केएलडी | 30 केएलडी |
| 10 | बिजली की मांग | 4.2 मेगावाट | 7.5 मेगावाट | 11.7 मेगावाट |
| 11 | आरडब्ल्यूएच गङ्ढे | 3 आरडब्ल्यूए | व भंडारण टेंक | 3 |
| 12 | पार्किंग | 318 ई | सीएस | 318 ईसीएस |
| 13 | पीएनजी गैस की आवश्यकता | 450 एमएमबीटीयू/दिन | 550 एमएमबीटीयू/दिन | 1000 एमएमबीटीयू/दिन |

परियोजना स्थल के आसपास पर्यावरण-संवेदनशील क्षेत्र: परियोजना स्थल के 15 किमी क्षेत्र के भीतर कोई राष्ट्रीय उद्यान/वन्यजीव अभयारण्य/बायोस्फीयर रिजर्व/बाघ रिजर्व/हाथी रिजर्व आदि मौजूद नहीं हैं।

उद्योगः प्रॉम्प्ट एंटरप्राइजेज प्राइवेट लिमिटेड (गॉडपुरी) लगभग स्थित है। एनएनई दिशा में 5.52 किमी. इसके अलावा, जे डी संस स्टील्स प्राइवेट लिमिटेड, श्री बालाजीटेक इंडिया, जीएनयू स्टील कास्टिंग प्राइवेट। लिमिटेड, जीएनयू स्टील कास्टिंग प्रा. लिमिटेड, मेस्ट्रो इंटरनेशनल, फेरॉन ट्यूब्स प्राइवेट। लिमिटेड, एसजी इंडस्ट्रीज आदि आसपास स्थित उद्योग हैं।

a. उत्पाद और क्षमताएँ

मौजूदा संयंत्र में, कोल्ड रोलिंग डिवीजन (सीआरडी) कोल्ड रोल्ड स्ट्रिप्स (सीआरसीए), और स्टील पाइप का उत्पादन करता है। टाटा स्टील लिमिटेड से खरीदे गए हॉट रोल कॉइल्स का उपयोग इस संयंत्र के

लिए प्रमुख कच्चे माल के रूप में किया जाता है। परियोजना की उत्पादन क्षमता नीचे तालिका 2.2 में

उल्लिखित है।

तालिका 2.2 परियोजना की उत्पादन क्षमता

| | | मात्रा | | | |
|----------|-------------|---------|---------|--------------------|----------------|
| क्रम | उत्पाद | मौजूदा | विस्तार | कुल उत्पादन क्षमता | इकाई |
| सख्या | | संयंत्र | इकाई | | |
| 1 | सीआरसीए शीट | 600 | 1500 | 2100 | मीट्रिक टन/दिन |
| 2 | स्टील पाइप | 95 | | 95 | मीट्रिक टन/दिन |

- b. आकार: यह एक मध्यम स्तर की इकाई है जिसकी अनुमानित परियोजना लागत 262 करोड़ रुपये है। वर्तमान में यह संयंत्र कुल लगभग संलग्न है। नियमित और संविदा आधार पर 400 कर्मचारी, जिन्हें परियोजना के विस्तार पर बढ़ाकर 900 कर दिया जाएगा।
- c. भूमि क्षेत्र: संयंत्र 103322.288 वर्गमीटर [42443 वर्गमीटर (मौजूदा संयंत्र) 60879.288 वर्गमीटर (प्रस्तावित विस्तार इकाई)] भूमि के क्षेत्र में संचालित हो रहा है।
- कच्चा माल: सयंत्र के लिए आवश्यक कच्चा माल हॉट रोल्ड लो कार्बन स्टील कॉइल्स है। स्टेनलेस स्टील के हॉट रोल्ड कॉइल टाटा स्टील लिमिटेड से खरीदे जाते हैं, कच्चे माल की आवश्यक मात्रा तालिका 2.3 में उल्लिखित है।

तालिका 2.3 आवश्यक कच्चे माल की अनुमानित मात्रा

| क्र.सं. | उत्पाद | मात्रा (मौजूदा संयंत्र) | मात्रा (प्रस्तावित विस्तार इकाई) | कुल मात्रा |
|---------|---------------------------------------|----------------------------|-------------------------------------|---------------------|
| 1 | स्टेनलेस स्टील की 1 हॉट रोल्ड कॉइल | 700 मीट्रिक टन/दिन | 1700 मीट्रिक टन/दिन | 2400 मीट्रिक टन/दिन |

अन्य आवश्यक कच्चे माल विभिन्न एसिड, ईंधन, अमोनिया, रोलिंग तेल, पैकेजिंग लकड़ी आदि हैं। इन सामग्रियों को घरेलू बाजार से खरीदा जाता है। कच्चे माल की अनुमानित वार्षिक हैंडलिंग इस प्रकार है। सभी कच्चे माल को मल्टी एक्सल ट्रकों का उपयोग करके सड़क मार्ग से लाया जाता है।

Я

3. अध्ययन क्षेत्र की पर्यावरणीय सेटिंग

आधारभूत पर्यावरणीय स्थिति का मूल्यांकन प्राथमिक और द्वितीयक डेटा के आधार पर किया गया था, जो या तो साइट-क्षेत्र अवलोकन के माध्यम से एकत्र किया गया था या सिंचाई विभाग, भारत मौसम विज्ञान विभाग (आईएमडी), केंद्रीय भूजल बोर्ड, भारतीय भूवैज्ञानिक सर्वेक्षण, राज्य भूजल विभाग जैसी एजेंसियों से प्राप्त किया गया था।, राज्य प्रदूषण नियंत्रण बोर्ड, भारत की जनगणना और स्थानीय वन विभाग, गैर-सरकारी एजेंसियां। द्वितीयक और प्राथमिक डेटा के विश्लेषण और अनुमानित प्रभावों से स्थापित आधारभूत स्थिति की चर्चा नीचे की गई है। साथ में शमन उपाय भी उपलब्ध कराये गये हैं।

3.1. भूमि पर्यावरण

भूमि उपयोग

चूंकि संयंत्र 2021 से परिचालन में है, इसलिए संयंत्र का भूमि उपयोग और भू-आकृति औद्योगिक है। जमीन पर प्रॉम्प्ट एंटरप्राइजेज प्राइवेट लिमिटेड का कब्जा है।

मिट्टी के प्रकार:

जिले में प्रमुख मिट्टी के प्रकार रेतीली मिट्टी हैं। परियोजना स्थल पर मिट्टी का प्रकार रेतीली मिट्टी है। भूमि पर्यावरण का वर्णन 10 किमी के दायरे में अध्ययन क्षेत्र के भूमि उपयोग/भूमि आवरण द्वारा किया जाता है।

ढलान विश्लेषण:

परियोजना क्षेत्र का भू-भाग थोड़ा उतार-चढ़ाव वाला है। परियोजना स्थल पर उच्चतम समोच्च स्तर 197 मीटर एएमएसएल है। परियोजना स्थल पर न्यूनतम समोच्च स्तर 191 मीटर एएमएसएल है।

कटाव/धसान

भू-भाग समतल भूमि होने के कारण धंसाव की कोई संभावना नहीं है और बारिश के दौरान कटाव/धंसाव की किसी भी संभावना को रोकने के लिए पर्याप्त हरित पट्टी प्रदान की गई है।

भूकंपीयताः

भारतीय मानक भूकंपीय क्षेत्र मानचित्र के अनुसार यह क्षेत्र जोन IV के अंतर्गत आता है। भारतीय मानक संहिता के नवीनतम प्रावधानों को ध्यान में रखते हुए यह परियोजना भूकंप प्रतिरोधी है। भूकंपीय प्रभावों को कम करने के लिए उपयुक्त डिजाइन बनाया गया था।

मिट्टी की गुणवत्ता

शुष्क जलवायु के कारण, मिट्टी शुष्क भूरी (सोलोनाइच्ड) और सीरोज़ेम है। पलवल जिले की मिट्टी को उष्णकटिबंधीय और भूरी मिट्टी के रूप में वर्गीकृत किया गया है, जो जिले के प्रमुख हिस्सों में मौजूद है: अधिकांश मिट्टी मध्यम बनावट की है। सभी ब्लॉकों में दोमट रेत की बनावट औसत है। क्षेत्र के बड़े हिस्से में मिट्टी में मध्यम लवणता, उच्च लवणता और मध्यम क्षारीयता का खतरा है। परियोजना क्षेत्र में मिट्टी की विशेषताओं को प्राप्त करने के लिए अध्ययन के दौरान मिट्टी का विश्लेषण किया गया। मिट्टी के नमूने के विश्लेषण से प्राप्त परियोजना स्थल की मिट्टी की भौतिक-रासायनिक विशेषताएं अध्याय-3 में प्रस्तुत की गई हैं।

3.2. **जल पर्यावरण**

पानी की मांग

निर्माण चरण के दौरान पानी की आवश्यकता निजी पानी की टंकी से थी।

कर्मचारियों के लिए पानी की मांग: पानी का स्रोत बोरवेल है। श्रमिकों के लिए कुल ताजे पानी की आवश्यकता 18.23 केएलडी है (मौजूदा इकाई में =4 केएलडी विस्तार इकाई =14.225 केएलडी)। संयंत्र संचालन में पानी की मांग: दोनों इकाइयों (मौजूदा विस्तार इकाई) के संचालन के लिए कुल पानी की मांग 463 KLD है। ताजे पानी की आवश्यकता 149 KLD है। दोनों इकाइयों (मौजूदा विस्तार इकाई) के संचालन के लिए उपचारित पानी की आवश्यकता 314 केएलडी है। भूजल ताजे पानी की आपूर्ति का स्रोत है।

मलजल की मात्रा, उपचार, पुनः उपयोग

अपशिष्ट उत्पादन और प्रबंधन: जहां तक पानी का सवाल है, अपशिष्ट जल, कूलिंग टॉवर पानी को उड़ा देते हैं, संयंत्र की विभिन्न इकाइयों से उत्पन्न अपशिष्ट जल को अपशिष्ट उपचार संयंत्रों में ले जाया जाता है, जिसके बाद रिवर्स ऑस्मोसिस संयंत्र लगाया जाता है।

परियोजना से उत्पन्न कुल अपशिष्ट 370 KLD है। परियोजना से उत्पन्न अपशिष्ट को 450 केएलडी ईटीपी में उपचारित किया जाएगा।

तालिका- 3.2.1. संयंत्र संचालन द्वारा अपशिष्ट उत्पादन का सारांश

| S. N | वरण | मौजूदा इकाई | विस्तार इकाई | कुल |
|------|------|-------------|--------------|----------|
| | | | | <u>}</u> |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| I | परियोजना संचालन के लिए कुल पानी की आवश्यकता | 65 केएलडी | 398 केएलडी | 463 केएलडी |
|---|--|------------|------------|------------|
| 2 | परियोजना से उत्पन्न प्रवाह | 52 केएलडी | 318 केएलडी | 370 केएलडी |
| 3 | ईटीपी क्षमता | 220 केएलडी | 230 केएलडी | 450 केएलडी |

कर्मचारियों और प्रबंधन द्वारा अपशिष्ट जल उत्पादनः संयंत्र में कर्मचारियों द्वारा अपशिष्ट जल का उत्पादन 24 केएलडी होगा। संयंत्र संचालन (ईटीपी से प्राप्त उपचारित अपशिष्ट) और कर्मचारियों द्वारा उत्पन्न कुल अपशिष्ट जल 170 केएलडी है जिसे एसटीपी की 220 केएलडी क्षमता में उपचारित किया जाएगा।

तालिका 3.2.2. कर्मचारियों द्वारा अपशिष्ट जल उत्पादन का सारांश

| क्र. सं. | विवरण | केएलडी में |
|-------------|--|------------|
| 1 | कुल जल आवश्यकता | 38 |
| 2 | कर्मचारियों द्वारा उत्पन्न अपशिष्ट जल (80% ताजा पानी + 100% उपचारित पानी) | 24 |
| 5 | एसटीपी क्षमता (उत्पन्न अपशिष्ट जल से 25% अधिक) | 30 |

तूफान जल निकासी और वर्षा जल संचयन

चयनित स्थान पर 507 घन मीटर क्षमता के 3 वर्षा जल संचयन भंडारण टैंक प्रदान करने की गणना की गई है, जो क्षेत्र से अधिकतम अपवाह को पकड़ता है।

तूफान जल निकासी और वर्षा जल संचयन

3.3. वायु पर्यावरण

निर्माण चरण के दौरान, वायु प्रदूषकों की प्रमुख चिंता PM2.5, PM10 हैं क्योंकि SO2, NO2 और CO जैसे अन्य उत्सर्जन का प्रभाव महत्वपूर्ण नहीं था क्योंकि स्रोतों की प्रकृति ऐसी थी कि उत्सर्जन स्थानिक के साथ-साथ अस्थायी रूप से भी वितरित किया गया था। .

निर्माण गतिविधियों से होने वाले धूल उत्सर्जन के लिए व्यापक शमन उपायों और सर्वोत्तम निर्माण प्रथाओं की आवश्यकता थी।

प्रदूषकों के पर्याप्त फैलाव को सुनिश्चित करने के लिए मानक के अनुसार बॉयलर और गैस जेन सेट के ढेर को पर्याप्त ऊंचाई प्रदान की गई थी। निर्माण के दौरान धूल को दबाने के लिए पानी के छिड़काव का उपयोग किया गया था। ऑपरेशन चरण के दौरान, हरित पट्टी और हरित क्षेत्र का विकास वायु प्रदूषकों को प्रतिबंधित और अवशोषित करना है।

3.4. शोर का वातावरण

अध्ययन क्षेत्र के भीतर सात स्थानों पर शोर का स्तर देखा गया। शोर की निगरानी की गई है और शोर निगरानी के परिणाम क्रमशः दिन और रात के समय औद्योगिक, आवासीय वाणिज्यिक और मूक क्षेत्र के लिए सीपीसीबी द्वारा परिवेशीय शोर गुणवत्ता मानकों की अनुमेय सीमा के भीतर हैं।

निर्माण अवधि के दौरान निर्माण उपकरणों से निकलने वाला शोर बहुत अधिक होता है और शोर को कम करने के लिए व्यावसायिक निवारक उपायों और अस्थायी शोर अवरोधों की आवश्यकता होती है, दिन के समय तेज शोर गतिविधियों को प्रतिबंधित किया जाता है, गैस जेन सेट के लिए पीपीई और ध्वनिक बाड़ों का प्रावधान किया जाता है। ऑपरेशन चरण में, गैस जेन सेट और ग्रीन बेल्ट वृक्षारोपण के ध्वनिक बाड़ों के माध्यम से ध्वनि प्रदूषण की जाँच की गई है।

3.5. जैविक पर्यावरण

अध्ययन क्षेत्र में कोई संरक्षित क्षेत्र, आरक्षित वन या अभयारण्य नहीं है। परियोजना में कोई पेड़ काटना भी शामिल नहीं था। हालाँकि, परियोजना स्थल के भीतर कुल 10332.2 वर्ग मीटर यानी खुले क्षेत्र का 10% हरित क्षेत्र प्रदान किया गया था। साथ ही वृक्षारोपण, हरियाली भी हो रही है। प्रस्तावित भूदृश्य में देशी प्रजातियाँ शामिल हैं जो प्रदूषण को कम करती हैं और सौंदर्य की स्थिति में सुधार करती हैं।

3.6. सामाजिक-आर्थिक वातावरण

अध्ययन क्षेत्र में लगभग शामिल है। 113 गांव बफर जोन में आते हैं। अध्ययन क्षेत्र कृषि भूमि का घर है और कई उद्योग विकासशील चरण में मौजूद हैं।

इसके अलावा, परियोजना आसपास के क्षेत्र के बुनियादी ढांचे के विकास और परियोजना के निर्माण और संचालन के दौरान स्थानीय श्रमिकों के लिए नौकरी के अवसर को जोड़ती है।

3.7. जैविक पर्यावरण

अध्ययन क्षेत्र में कोई संरक्षित क्षेत्र, आरक्षित वन या अभयारण्य नहीं है। परियोजना में कोई पेड़ काटना भी शामिल नहीं था। हालाँकि, परियोजना स्थल के भीतर कुल 10332.2 वर्ग मीटर यानी खुले क्षेत्र का 10% हरित क्षेत्र प्रदान किया गया था। साथ ही वृक्षारोपण, हरियाली भी हो रही है। प्रस्तावित भूदृश्य में देशी प्रजातियाँ शामिल हैं जो प्रदूषण को कम करती हैं और सौंदर्य की स्थिति में सुधार करती हैं।

3.8. सामाजिक-आर्थिक वातावरण

अध्ययन क्षेत्र में लगभग शामिल है। 113 गांव बफर जोन में आते हैं। अध्ययन क्षेत्र कृषि भूमि का घर है और कई उद्योग विकासशील चरण में मौजूद हैं।

4. पार्किंग एवं यातायात प्रबंधन

परियोजना स्थल पर कारों, ट्रकों और अन्य ऑटोमोबाइल की पार्किंग के लिए पर्याप्त व्यवस्था होगी। कारों और अन्य वाहनों की पार्किंग के लिए परियोजना स्थल पर अलग-अलग स्थान निर्धारित किए गए हैं। पार्किंग योजना इस प्रकार तैयार की गई है कि किसी भी समय पार्किंग स्थल की दहलीज पर यातायात की बाधा उत्पन्न नहीं होगी। हरियाणा बिल्डिंग उपनियम, 2017 के अनुसार आवश्यक कुल पार्किंग 213 ईसीएस है और प्रदान की गई पार्किंग 318 ईसीएस है।

5. बिजली की आवश्यकता, स्रोत और बैकअप व्यवस्था

11.7 मेगावाट (मौजूदा इकाई में 7.5 मेगावाट + प्रस्तावित विस्तार इकाई में 4.2 मेगावाट) की बिजली की आवश्यकता दक्षिण हरियाणा बिजली वितरण निगम से पूरी होती है। हालाँकि, पावर बैकअप के रूप में, 2500 किलोवाट की क्षमता वाले तीन गैस जेन सेट वर्तमान में संयंत्र के भीतर उपयोग में हैं।

6. ऊर्जा संरक्षण

जहां भी संभव हो, निष्क्रिय सौर वास्तुकला का उपयोग करके ऊर्जा संरक्षण के प्रयास किए जा रहे हैं।

ऊर्जा कुशल विशेषताएं

परियोजना की ऊर्जा दक्षता विशेषताएं हैं:

- · सामान्य क्षेत्रों में एलईडी आधारित प्रकाश व्यवस्था
- · ऊर्जा कुशल मोटरें और पंप
- · गर्मी के लाभ और हानि को कम करने के लिए उपयुक्त डिज़ाइन

7. ठोस अपशिष्ट प्रबंधन

मौजूदा इकाई से उत्पन्न होने वाला कुल ठोस कचरा 103 किलोग्राम/दिन है और प्रस्तावित इकाई के लिए 128.75 किलोग्राम/दिन और परिदृश्य के लिए 0.51 किलोग्राम/दिन है, इसलिए मौजूदा और विस्तार इकाई सहित कुल अपशिष्ट 232.26 किलोग्राम/दिन होगा। कचरे को ठोस अपशिष्ट संग्रह क्षेत्र में एकत्र किया जाएगा, अलग किया जाएगा, नगरपालिका कचरे का निपटान अधिकृत कचरा संग्रहकर्ता के माध्यम से किया जाएगा और पुनर्चक्रण योग्य कचरे को अधिकृत पुनर्चक्रणकर्ताओं को सौंप दिया जाएगा। संचालन चरण के दौरान अपशिष्ट प्रबंधन: नगरपालिका ठोस अपशिष्ट नगरपालिका ठोस अपशिष्ट (प्रबंधन और हैंडलिंग) नियम, 2016 के अनुसार बायोडिग्रेडेबल और गैर-बायोडिग्रेडेबल कचरे के लिए अलग-अलग संग्रह डिब्बे पर्याप्त संख्या में प्रदान किए जाएंगे। ऐसे डिब्बे से अपशिष्ट दैनिक आधार पर एकत्र किया जाएगा। निपटान के लिए अधिकृत एजेंसी को सौंप दिया गया। उत्पन्न गैर-खतरनाक मिल पैमाने के कचरे को घर में ही पुनर्चक्रित किया जाएगा। ईटीपी (गैर-खतरनाक) से निष्प्रभावी केक और संयंत्र संचालन से उत्पन्न प्रयुक्त तेल अपशिष्ट को अधिकृत पुनर्चक्रणकर्ताओं को सौंप दिया जाएगा।

8. अग्निशमन प्रणाली

इमारत को आग से बचाने के लिए फायर डिटेक्टर, फायर अलार्म और अग्निशमन प्रणाली सहित पर्याप्त अग्नि सुरक्षा सुविधाएं स्थापित की गई हैं। सभी अग्नि सुरक्षा सुविधाओं को नवीनतम राष्ट्रीय भवन संहिता के अनुसार डिजाइन किया गया था। अग्नि सुरक्षा उपकरणों की स्थापना से पहले इस संबंध में मंजूरी प्राप्त की जा रही है।

- · अग्नि शामक
- · नली रील और गीला राइजर

· यार्ड हाइड्रेंट

- मैन्युअल रूप से संचालित इलेक्ट्रिक फायर अलार्म सिस्टम
- · स्वचालित पहचान और अलार्म प्रणाली
- · भूमिगत और छत स्तर पर अग्नि जल भंडारण टैंक

9. पर्यावरण प्रबंधन योजना

किसी भी प्रतिकूल पर्यावरणीय प्रभाव को कम करने और क्षेत्र के सतत विकास को सुनिश्चित करने के लिए परियोजना की संपूर्ण योजना, निर्माण और संचालन चरणों के दौरान पर्याप्त पर्यावरण प्रबंधन उपायों को शामिल किया गया था। 9.1 प्रस्तावित पर्यावरण प्रदूषण शमन उपायों को दर्शाता है।

तालिका 9.1 प्रस्तावित पर्यावरण प्रदूषण शमन उपाय

| क्षेत्र | शमन उपाय |
|-------------------------------------|--|
| | निर्माण चरण: |
| पानी की गुणवत्ता हवा की गुणवत्ता | अस्वच्छ स्थिति से बचने के लिए परियोजना स्थल पर श्रमिकों के लिए शौचालय और पीने के पानी की सुविधाएं प्रदान की जाती हैं। धूल दमन के उपाय किए गए जैसे कि मिट्टी के काम और निर्माण सामग्री |
| | के रख-रखाव/अधिक ढुलाई के दौरान उड़ने वाली धूल को नियंत्रित करने के लिए उपयुक्त तरीकों से निर्माण स्थल के कमजोर क्षेत्रों के आसपास नियमित रूप से पानी का छिड़काव किया गया। • कम शोर और उत्सर्जन के साथ अच्छी कार्यशील स्थिति में उचित रूप से ट्यून की गई मशीनरी, मोटर और पंप और वाहनों का उपयोग किया जा रहा है और उपयोग में न होने पर इंजन बंद कर दिए गए थे। |
| शोर स्तर | उच्च शोर स्तर के संपर्क में आने वाले निर्माण कर्मियों को कान मफलर आदि जैसे सुरक्षात्मक गियर प्रदान किए गए थे। |
| ठोस अपशिष्ट | अपशिष्ट निर्माण सामग्री का पुनर्चक्रण किया गया और अतिरिक्त निर्माण मलबे को स्थानीय मानदंडों के अनुरूप निर्दिष्ट स्थानों पर निपटाया गया। |
| परिदृश्य | परिसर के भीतर खुले स्थानों पर सदाबहार और सजावटी फूलों वाले पेड़ों, ताड़ के पेड़ों, झाड़ियों और ग्राउंड कवर के रोपण सहित उपयुक्त परिदृश्य |

| | बनाया गया था, जो उड़ने वाली धूल को नियंत्रित करने और क्षेत्र के सौंदर्यशास्त |
|------------------|--|
| | में सुधार करने के दोहरे उद्देश्य को पूरा करेगा। |
| सुरक्षा | • निर्माण श्रमिकों के लिए दुर्घटनाओं/खतरों को रोकने के लिए व्यावसायिक सुरक्षा मैनुअल का |
| | अनुपालन करने वाले पर्याप्त सुरक्षा उपाय अपनाए गए थे। |
| | ऑपरेशन स्टेजः |
| पानी की गुणवत्ता | कुल क्षमता 30 केएलडी (मौजूदा + विस्तार) के एसटीपी में सीवेज का |
| | उपचार किया जाएगा। |
| | संपूर्ण उपचारित सीवेज का शीतलन, टॉयलेट फ्लशिंग और बागवानी के |
| | लिए पुनः उपयोग किया जाएगा। |
| | प्लांट के संचालन से उत्पन्न अपशिष्ट जल को 450 केएलडी क्षमता वाले |
| | ईटीपी में उपचारित किया जाएगा। |
| | ईटीपी से प्राप्त उपचारित पानी को संयंत्र संचालन में पुनर्चक्रित किया |
| | जाएगा। |
| | मानदंडों के अनुसार एसटीपी और ईटीपी प्रवाह गुणवत्ता की नियमित |
| i | निगरानी की जाएगी। |
| हवा की गुणवत्ता | गैस जेन सेट और बॉयलर स्टैक के लिए पर्याप्त स्टैक ऊंचाई मानदंडों के |
| | अनुसार प्रदान की जाती है। |
| | मानदंडों के अनुसार बॉयलर और गैस जेन सेट से उत्सर्जन और परिवेर्श |
| | वायु गुणवत्ता की नियमित निगरानी की जाती है। |
| शोर स्तर | गैस जेन सेट से आने वाले शोर को नियंत्रित करने के लिए गैस जेन से |
| | रूम को मानदंडों के अनुसार ध्वनिक उपचार किया जाता है। |
| | ईंधन दक्षता और शोर नियंत्रण के लिए मशीनरी, मोटर्स और पंप, कंप्रेसर |
| | गैस जेन सेट आदि का उचित रखरखाव किया जाएगा। |
| | उच्च शोर वाले क्षेत्रों में काम करने वाले रखरखाव कर्मचारियों क |
| | व्यक्तिगत सुरक्षा उपकरण प्रदान किए जाते हैं। |
| ठोस अपशिष्ट | ठोस कचरे को जैविक और अकार्बनिक घटकों में अलग किया जाता है |
| | गैर-बायोडिग्रेडेबल कचरे के पुनर्चक्रण और बायोडिग्रेडेबल कचरे दे |
| | निपटान के लिए बायोडिग्रेडेबल और गैर-बायोडिग्रेडेबल दोनों प्रकार दे |
| | कचरे को अधिकृत विक्रेताओं को बेचा जाता है। |

| | एसटीपी से निकाले गए/सूखे कीचड़ का उपयोग बागवानी में खाद के रूप में किया जाता है। |
|-------------|---|
| खतरनाक कचरा | संयंत्र संचालन के दौरान उत्पन्न खतरनाक अपशिष्ट और प्रयुक्त तेल अधिकृत पुनर्चक्रणकर्ताओं को बेचा जा रहा है। |
| जल छाजन | भूजल में पुनर्भरण के माध्यम से 3 वर्षा जल संचयन भंडारण टैंक (मौजूदा + विस्तार) प्रदान किए जाएंगे। |
| परिदृश्य | • सड़ चुके पौधों के प्रतिस्थापन सहित पूरे वर्ष परिदृश्य का उचित रखरखाव। |
| सुरक्षा | रखरखाव श्रमिकों के लिए दुर्घटनाओं/खतरों को रोकने के लिए व्यावसायिक सुरक्षा मैनुअल का अनुपालन करने वाले पर्याप्त सुरक्षा उपाय। |

तालिका 9.2. ईएमपी लागत मौजूदा इकाई के निर्माण चरण और संचालन चरण के दौरान पहले ही खर्च हो चुकी है

| क्र. सं. | विवरण | पूंजीगत | लागत |
|----------------|---|---------|------|
| 1 | वायु प्रदूषण नियंत्रण - वायु प्रदूषण नियंत्रण उपकरण, ढेर, धूआं निष्कर्षण प्रणाली, जल छिड्काव | 50 | 2 |
| 2 | जल प्रदूषण नियंत्रण - ईटीपी और एसटीपी | 45 | 10 |
| 3 | ठोस अपशिष्ट प्रबंधन - कूड़ेदान, खतरनाक अपशिष्ट के भंडारण की सुविधा | 5 | 1 |
| 1 | हरित क्षेत्र विकास | 10 | 5 |
| | पर्यावरणीय निगरानी | 0 | 2 |
| , | मजदूरों को पी.पी.ई | 5 | 6 |
| , | अग्नि सुरक्षा एवं अग्नि उपकरण | 25 | 3 |
| कुल लाग | त | 140 | 29 |
| कुल ईएमपी लागत | | 140 | |

17

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| मौजूदा परियोजना के लिए कुल परियोजना लागत | 7068 |
|--|------|
| पूंजीगत लागत के ईएमपी का प्रतिशत | 1.98 |

तालिका 9.3. विस्तार इकाई के निर्माण चरण के दौरान प्रस्तावित ईएमपी लागत

| क्र. सं. | विवरण | पूंजीगत | लागत |
|----------|---|---------|------|
| 1 | वायु प्रदूषण नियंत्रण - वायु प्रदूषण नियंत्रण उपकरण, पानी का छिड़काव, पहिया धोने की सुविधा, सामग्री को ढकने के लिए तारापुलिन शीट, बैरिकेडिंग | 15 | 2 |
| 2 | ठोस अपशिष्ट प्रबंधन - कूड़ेदान, खतरनाक अपशिष्ट के भंडारण की सुविधा | 2 | 0.50 |
| 3 | हरित क्षेत्र विकास | 10 | 1 |
| 4 | पर्यावरणीय निगरानी | 0 | 0.50 |
| 5 | मजदूरों को पी.पी.ई | 5 | 1 |
| 6 | एटी-स्मॉग गन का प्रावधान | 10 | 1 |
| निर्माण | । चरण के दौरान लागत | 42 | 6 |

तालिका 9.4. विस्तार इकाई के संचालन चरण के दौरान प्रस्तावित ईएमपी लागत

| क्र. सं. | विवरण | पूंजीगत | लागत |
|----------|-------|---------|------|
| | | | |
| | | | |

| 1 | वायु प्रदूषण नियंत्रण - वायु प्रदूषण नियंत्रण उपकरण, ढेर, धूआं निष्कर्षण प्रणाली, जल छिड़काव | | 10 |
|-------------|--|-------|----|
| 2 | जल प्रदूषण नियंत्रण - ईटीपी और एसटीपी | 75 | 18 |
| 3 | ठोस अपशिष्ट प्रबंधन - कूड़ेदान, खतरनाक अपशिष्ट के भंडारण की सुविधा | 5 | 3 |
| 4 | हरित क्षेत्र विकास | 40 | 10 |
| 5 | पर्यावरणीय निगरानी | 0 | 2 |
| 6 | अग्नि सुरक्षा एवं अग्नि उपकरण | 90 | 5 |
| 7 | प्राथमिक चिकित्सा कक्ष का प्रावधान | 10 | 2 |
| ऑपरेशन | चरण के दौरान कुल लागत | 270 | 50 |
| | रेयोजना के निर्माण और संचालन चरण के लिए कुल ईएमपी लागत | 312 | |
| विस्तार परि | रेयोजना के लिए कुल परियोजना लागत | 19132 | |
| पूंजीगत ला | गत के ईएमपी का प्रतिशत | 1.630 | |
| <u> </u> | | | _ |

ईएमपी बजट के लिए आवंटित कुल पूंजीगत लागत 452 लाख या 4.52 करोड़ है जो लगभग है। परियोजना के लिए कुल परियोजना लागत का 1.72% यानी 262 करोड़।

10. निष्कर्ष

पर्यावरणीय मूल्यांकन के आधार पर, ईआईए और ईएमपी में बताए गए उपायों के पर्याप्त कार्यान्वयन द्वारा संबंधित संभावित प्रतिकूल पर्यावरणीय प्रभावों को स्वीकार्य स्तर तक कम किया जा सकता है।

- No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

इसलिए, ईआईए अध्ययन के माध्यम से यह निष्कर्ष निकाला जा सकता है कि परियोजना का पर्यावरणीय प्रभाव बहुत ही नगण्य है और स्थानीय समुदाय पर महत्वपूर्ण सकारात्मक आर्थिक और सामाजिक प्रभाव है।

EXECUTIVE SUMMARY OF THE PROJECT

1.Introduction

Prompt Enterprises Pvt Ltd was established in the year 2008. It manufactures structural steel components like ERW steel pipes and cold rolled close annealed (CRCA) sheets. At present, it has manufacturing plant of CRCA sheets and ERW Steel Pipes in Dhatir village which is commenced from 2021. It has the capacity of 600 MT/Day CRCA sheets and 95 MT/Day ERW Steel Pipe. Now the existing plant at Dhatir village is proposed to expand for higher production capacity in the Dudhola Village. After expansion, total proposed production capacity will be 2100 MT/Day CRCA Sheets and 95 MT/Day ERW Steel Pipe.

Earlier, the cold rolling activities were not covered under the purview of the EIA Notification 2006 and its subsequent amendments, therefore Environmental Clearance was not applicable to this project. The existing project has obtained Consent to Operate from Haryana Pollution Control Board vide a letter no. HSPCB/Consent/: 313102621PALCTO13467003 dated 02/08/2021 valid up to 30/09/2023 for the capacity of CRCA sheets @600 MT/Day and ERW Steel Pipe @95 MT/Day. The existing project has obtained a license for the Installation of Petroleum class B from Petroleum & Explosives Safety Organization (PESO) vide License No. P/NC/HN/15/1870 (P394505) – which is valid up to 31/12/2023.

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries require prior Environment Clearance under the project/activity classified as 3(a) Metallurgical Industries irrespective of their production capacity and are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of 1 (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July, 2022. Hence, no public consultation is required for the existing part of the industry. However, For the expansion part of the project, Public Hearing is applicable. As per EIA Notification 14th September, 2006 and its amendment thereof, the project listed in category 3(a) and falls under category "B" i.e., all other non-toxic secondary metallurgical processing industries and under "B1" as the total production is 8,01,175 tons per annum which is greater than 5000 tons per annum.

For Environment Clearance an application submitted online for the grant of TOR on 04 April 2023 to SEIAA, Haryana. Auto TOR is issued on 07 April 2023 from SEIAA, Haryana. TOR letter issued by the SEIAA, Haryana as received vide F.no. SEIAA/HR/2023/329 dated 07 April 2023. In this connection, this EIA report has been prepared.

M/s Prompt Enterprises Pvt. Ltd.

2. Project Site & Project Features

The project is located at the Village Dhatir & Dudhola, District Palwal, Haryana. Salient Features of the project is shown in the Table 2.1.

| S. No. | Particulars | Existing Unit | Proposed Expansion Unit | Total |
|-----------|---|--|--|--|
| | | CRCA sheets: 600 MT/Day | CRCA sheets: 1500 MT/Day | CRCA Sheets: 2100 MT/Day |
| 1 | Production capacity | ERW Steel Pipe: 95 MT/Day | ERW Steel Pipe: Nil | ERW Steel Pipe: 95 MT/Day |
| 2 | Area (sqm) | 42443 sqm | 60879.288 sqm | 103322.288 sqm |
| 3 | No of Permanent Workers | 100 | 150 | 250 |
| 4 | No of Temporary Workers | 300 | 350 | 650 |
| 5 | Raw material | 700 MT/Day HRCA Sheets | 1700 MT/Day HRCA Sheets | 2400 MT/Day HRCA Sheets |
| 6 | Total Water Demand | 4 KLD for (Domestic usage) 65 KLD (Plant operation) | 23.675 KLD for (Domestic usage) 398 KLD (Plant operation) | 27.675 says 28 KLD (Domestic usage) 463 KLD (Plant operation) |
| 7 | Wastewater Generated | 3 KLD (Domestic Effluent) 52 KLD | 21 KLD (Domestic Effluent) 318 KLD | 24.03 KLD say 24 KLD (Domestic Effluent) 370 KLD |
| 8 | ETP capacity (>20 % higher from total waste water generated) | (Industrial Effluent) 220 KLD | (Industrial Effluent) 230 KLD | (Industrial Effluent) 450 KLD |

Table 2.1. Salient Features of the project

M/s Prompt Enterprises Pvt. Ltd.

Eco-sensitive Areas around the project site: No national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. are present within 15 km area of the project site. **Industries:** Prompt Enterprises Pvt Ltd (Godpuri) is located approx. 5.52 km in the NNE direction. Apart from that, J D Sons Steels Pvt Ltd, Shree Balajitech india, GNU Steel Casting Pvt. Ltd, GNU Steel Casting Pvt. Ltd , Maestro International, Ferron Tubes Pvt. Ltd , S G INDUSTRIES , etc. are industries located nearby.

a. Product and Capacities

In the Existing Plant, the Cold Rolling Division (CRD) produces Cold Rolled Strips (CRCA), and Steel Pipes. The Hot Roll Coils purchased from Tata Steel Limited is used as a major raw material for this plant. The production capacity of project is mentioned below in the **Table 2.2**.

| Table 2.2 | Production | cap <u>acity</u> | of project |
|-----------|------------|------------------|------------|
| | | | |

| | Quantity Total Production | | ity Total Production | | |
|--------|------------------------------|-------------------|----------------------|----------|-------------------|
| S. No. | Product | Existing Plant | Expansion Unit | capacity | Unit |
| 1 | CRCA Sheets | 600 | 1500 | 2100 | Metric Tonnes/Day |
| 2 | Steel Pipes | 95 | - | 95 | Metric Tonnes/Day |

- b. Size: This is a medium scale unit with approximate project cost of INR 262 Crore. At present this plant engages a total of approx. 400 staffs on regular and contractual basis which will be upraised to 900 upon expansion of the project.
- c. Land Area: The plant is operating in an area of 103322.288 sqm [42443 sqm (Existing Plant) + 60879.288 sqm (Proposed Expansion Unit)] land.

M/s Prompt Enterprises Pvt. Ltd.

Raw Materials

Raw material required for the plant is Hot rolled low carbon steel coils. Hot Rolled Coils of Stainless Steel are procured from Tata Steel Ltd required quantity of raw material is mentioned in the **Table 2.3**.

| S. No. | Product | Quantity (Existing Plant) | Quantity (Proposed Expansion Unit) | Total Quantity |
|--------|--|------------------------------|--|----------------|
| 1 | Hot Rolled Coils of Stainless Steel | 700 MT/Day | 1700 MT/Day | 2400 MT/Day |

Table 2.3 Estimated Quantity of Raw material required

Other required raw materials are different acids, fuels, ammonia, rolling oil, packaging wood etc. These materials are procured from domestic market. Approximate annual handling of raw materials is as follows. All raw materials are brought by road using multi axel trucks.

d. Environmental Setting of the Study Area

The baseline environmental status was assessed based on primary and secondary data collected either through in-site field observation or obtained from agencies such as Irrigation Department, India Meteorological Department (IMD), Central Ground Water Board, Geological Survey of India, State Ground Water Department, State Pollution Control Board, Census of India and Local Forest Department, Non-Governmental Agencies. The baseline status established from analysis of secondary and primary data and predicted impacts are discussed below. The mitigation measures are also provided along with.

3.1.Land Environment

Land use

Since the plant is in operation since 2021, the land use and landform of the plant is Industrial. The land is in possession of Prompt Enterprises Pvt Ltd.

Soil Type:

Major soil types in the district are Sandy clay & loamy. The soil type at the project site is Sandy clay.

The land environment is described by land use / land cover of the study area within 10 km radius.

Slope Analysis:

The project area possesses slightly undulating terrain. The highest contour level at project site is 197 m AMSL & the lowest contour level at project site is 191 m AMSL. Difference between the highest & lowest level is 6 m.

Erosion/ Subsidence

There is no vulnerability of subsidence as the terrain is plain land and adequate green belt is provided to prevent any chances of erosion/subsidence during rains.

Seismicity:

The area falls under the Zone IV according to the Indian Standard Seismic Zoning Map. The project is earthquake resistant taking into account the latest provisions of Indian Standards Codes. Suitable design was made to mitigate the seismic impacts.

Soil Quality

Due to arid climate, the soils are Arid Brown (Solonised) and Sierozem. Soils of Palwal district are classified as tropical and brown soils, existing in major parts of the district: most of the soils are of medium texture. Loamy sand is the average textured in all blocks. Soils have moderate salinity hazards, high salinity and moderate alkalinity hazard in the major part of the area. In order to get the characteristics of the soil in the project area, soil analysis was carried out during study. The physico-chemical characteristics of the soil of the project site, as obtained from the analysis of the soil sample, are presented in Chapter-3.

3.2.Water Environment

Water demand

The water requirement during construction phase was from the private water tank.

Water demand for staff: The source of water is bore well. Total fresh water requirement for workers is 18.23 KLD (In the Existing Unit =4 KLD + Expansion Unit =14.225 KLD).

Water demand in the plant operation: Total water demand for the both unit (Existing + Expansion Unit) operation is 463 KLD. Fresh water requirement is 149 KLD & treated water requirement is 314 KLD for the both unit (Existing + Expansion Unit) operation. Ground water is the source of fresh water supply.

Sewage Quantity, Treatment, Reuse & Disposal

Effluent Generation and Management: As far as water is concerned Waste water, cooling tower blow down water, effluent water generated from the different units of the plant is taken to effluent treatment plants followed by Reverse Osmosis plant.

Total Effluent generated from the Project is 370 KLD. The effluent generated from the Project will be treated in the 450 KLD ETP.

| S. No. | Particulars | Existing Unit | Expansion Unit | Total |
|--------|--|---------------|----------------|---------|
| 1 | Total water requirement for Project operation | 65 KLD | 398 KLD | 463 KLD |
| 2 | Effluent generated from the Project | 52 KLD | 318 KLD | 370 KLD |
| 3 | ETP capacity | 220 KLD | 230 KLD | 450 KLD |

| Table- 3 2.1. Sr | mmary of effluent generation by plant operation |
|------------------|---|
|------------------|---|

Waste-Water Generation by Staff and Management: Wastewater generation by staff in the plant will be 24 KLD. Total wastewater generated from Plant operation (recovered treated effluent from ETP) and by the staff is 170 KLD which will be treated in the 220 KLD capacity of STP.

Table 3.2,2. Summary of wastewater generation by Staff

| S. No | Particulars | In KLD |
|-------|--|--------|
| 1 | Total Water Requirement | 38 |
| 2 | Wastewater Generated by staff (80% of Fresh water + 100% treated water) | 24 |
| 5 | STP Capacity (25% higher than the wastewater generated) | 30 |

Storm water Drainage and Rainwater Harvesting

It has been calculated to provide 3 rainwater harvesting storage tanks each of 507 m3 capacity at selected location, which catches the maximum run-off from the area.

3.2.3. Air Environment

During construction phase, the major concern of air pollutant are $PM_{2.5}$, PM_{10} as impacts of other emissions such as SO₂, NO₂, and CO was not being significant because the nature of sources was such that the emissions were distributed spatially as well as temporal.

The dust emissions from construction activities were require comprehensive mitigation measures and best construction practices.

Adequate stack heights were provided to the stacks of Boiler and Gas Gen set as per norm to provide

for sufficient dispersion of pollutants. Water sprinklers were used to suppress dust during construction. During the operation phase, green belt and green area development is to restrict and absorb air pollutants.

3.2.4. Noise Environment

Noise levels were observed at seven locations within the study area. Noise monitoring has been done and results of noise monitoring are within the permissible limits of ambient noise quality standards by CPCB for industrial, residential commercial and silent zone for daytime and night time respectively.

The noise emitted from construction equipments during construction period is high and required occupational preventive measures and temporary noise barriers for noise attenuation, restricted loud noise activities to daytime, provision of PPEs and acoustic enclosures for Gas Gen set. In the operation phase, noise pollution has been checked through acoustic enclosures of Gas Gen sets and green belt plantation.

3.2.5. Biological Environment

There is no protected area, reserved forest or sanctuary in the study area. There was also no tree cutting involved in the project. However, Total green area measuring 10332.2 m² *i.e.*, 10 % of the open area had been provided within project site. Additionally, there is being plantations, greenery. The proposed landscaping includes native species that reduce pollution and improve aesthetics condition.

3.2.6. Socio-economic Environment

The study area involves approx. 113 villages falls in Buffer zone. The study area is the home of agricultural land and many industries exist in developing phase.

Moreover, the project add to the infrastructure development of the surrounding area and job opportunity of the local worker during construction and operation of Project.

4. Parking and Traffic Management

In the project site there will be adequate provision for parking of cars, trucks and other automobiles. For parking of cars and other vehicles different locations have been earmarked at project site. The parking plan has been so devised that at no point of time there will be traffic bottleneck at the threshold

M/s Prompt Enterprises Pvt. Ltd.

of a parking lot. Total Parking required as per Haryana Building bye laws, 2017 is 213 ECS and Parking provided is 318 ECS.

5. Power Requirement, Source and Back-up Arrangement

Power requirement of 11.7 MW (7.5 MW in existing Unit + 4.2 MW in Proposed Expansion Unit) is met from the Dakshin Haryana Bijli Vitran Nigam. However, as a power backup, three Gas Gen sets having capacity of 2500 KW are currently in use within the plant.

6. Energy Conservation

Efforts are being taken for energy conservation using passive solar architecture wherever it is possible.

Energy Efficient Features

The energy efficiency features of the project are:

- LED based lighting fixtures in the common areas
- · Energy efficient motors and pumps
- · Appropriate design to reduce heat gain and loss

7. Solid waste Management

The total solid waste to be generated from the existing unit is 103 kg/Day and for proposed unit 128.75 kg/Day and for landscape 0.51 kg/Day therefore the total waste including existing and expansion unit will be 232.26 kg/Day. Waste will be collected in Solid Waste Collection area, segregated, Municipal Waste will be disposed through authorized waste collector and recyclable waste will be handed over to the authorized recyclers. Waste Management during operation phase: Municipal Solid Waste Adequate number of collection bins separately for biodegradable and non-biodegradable waste shall be provided as per the Municipal Solid Waste (Management and Handling) Rule, 2016. Wastes from such bins shall be collected on daily basis handed over to authorized agency for disposal. The generated non-hazardous mill scale waste will be recycle in-house. Neutralized cake from ETP (non-hazardous) and used oil waste generated from in the plant operation will be handover to the authorized recyclers.

8. Fire Fighting System

Adequate fire protection facilities are installed including fire detectors, fire alarm and firefighting system to guard the building against fires. All fire protection facilities were designed as per the latest National Building Code. The approvals in this regard are being obtained prior to installation of the fire protection equipments.

• Fire extinguishers

- Hose reel and Wet riser
- Yard hydrants
- · Manually operated electric fire alarm system
- Automatic detection and alarm system
- Underground and terrace level fire water storage tanks

9. Environmental Management Plan

Adequate environmental management measures were incorporated during the entire planning, construction and operating stages of the project to minimize any adverse environmental impact and assure sustainable development of the area. 9.1 shows the proposed environmental pollution mitigation measures.

| Area | Mitigation Measures |
|---------------|---|
| | Construction Stage: |
| Water Quality | • Toilet and drinking water facilities for workers are provided at the projec site to avoid unhygienic condition. |
| Air Quality | Dust suppression measures was undertaken such as regular sprinkling of water around vulnerable areas of the construction site by suitable methods to control fugitive dust during earthwork and construction material handling/ over hauling. Properly tuned machinery, motors and pumps & vehicles in good working condition with low noise & emission is being used and engines were turned off when not in use. |
| Noise Level | • Protective gears of such as ear mufflers etc. were provided to construction personnel exposed to high noise levels. |
| Solid Waste | Waste construction materials were recycled and excess construction debris was being disposed at designated places in tune with the local norms. |
| Landscape | • Appropriate landscape including plantation of evergreen and ornamental flowering trees, palms, shrubs and ground covers at open spaces within the complex was done, which would serve the dual purpose of controlling fugitive dust and improving the aesthetics of the area. |
| Safety | Adequate safety measures complying with the occupational safety manuals were adopted to prevent accidents/hazards to the construction workers. |
| | Operation Stage: |
| Water Quality | Sewage will be treated in STP of total capacity 30 KLD (Existing + Expansion) Entire treated sewage will be reused for cooling, toilet flushing and horticulture. |
| | Wastewater generated from the operation of Plant will be treated in the 450 KLD capacity ETP. |
| | • Recovered treated water from the ETP will recycle in the plant operation. |

| Table 9.1 Proposed Environmental | Pollution Mitigation Measures |
|----------------------------------|-------------------------------|
| | |

M/s Prompt Enterprises Pvt. Ltd.

| | Regular monitoring of STP & ETP effluent quality will be carried out as per norms. |
|---------------------|--|
| Air Quality | • Adequate stack height for Gas Gen Set and Boiler Stacks are provided as per norms. |
| | Regular monitoring of emissions from Boiler and Gas Gen Set and ambient air quality is carried out as per norms. |
| Noise Level | Gas Gen Set room is treated acoustically as per norms to control the noise from Gas Gen sets. |
| | Machineries, Motors & Pumps, Compressors, Gas Gen sets etc. will be properly maintained for fuel efficiency and noise control. |
| | Personal protective equipment is provided to the maintenance staff working in high noise areas. |
| Solid Waste | Solid wastes are segregated into organic and inorganic components. |
| | · Both biodegradable and non-biodegradable wastes are sold to authorized |
| | vendors for recycling of non-biodegradable wastes and disposal of biodegradable waste |
| | Dewatered / dried sludge from STP is used as manure in horticulture. |
| Hazardous Wastes | Hazardous waste and used oil generated during plant operation is being sold to authorized recyclers. |
| Rain Water | • 3rainwater harvesting storage tanks (Existing + Expansion) will be provided |
| Harvesting | by means of recharge into the groundwater. |
| landscape | Proper maintenance of landscape round the year including replacement of the decayed plants. |
| Safety | Adequate safety measures complying with the occupational safety manuals to prevent accidents/hazards to the maintenance workers. |

Table 9.2. EMP Cost already incurred during Construction Phase & Operation Phase of

Existing Unit

| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
|--------|---|---------------------------|-----------------------------|
| 1 | Air pollution control – Air pollution control devices, Stacks, Fume Extraction System, Water Sprinkling | 50 | 2 |
| 2 | Water pollution control - ETP and STP | 45 | 10 |
| 3 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 5 | 1 |
| 4 | Green area development | 10 | 5 |
| 5 | Environmental monitoring | 0 | 2 |
| 6 | PPE to Labours | 5 | 6 |
| 7 | Fire Safety & Fire Equipments | 25 | 3 |

M/s Prompt Enterprises Pvt. Ltd.

٦

| Total Cost | 140 | 29 | |
|---|------|----|--|
| Total EMP Cost | 140 | | |
| Total Project Cost for Existing Project | 7068 | | |
| Percentage of EMP of Capital Cost | 1.98 | | |

Table 9.3. EMP Cost proposed during Construction Phase of Expansion Unit

| EMP Cost proposed during Construction Phase of Expansion Unit | | | |
|---|--|---------------------------|-----------------------------|
| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
| 1 | Air pollution control – Air pollution control devices, water Sprinkling, Wheel Washing Facility, Tarapulin Sheet for Covering of Material, Barricading | 15 | 2 |
| 2 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 2 | 0.50 |
| 3 | Green area development | 10 | 1 |
| 4 | Environmental monitoring | 0 | 0.50 |
| 5 | PPE to Labours | 5 | 1 |
| 6 | Provision of Anti-Smog Gun | 10 | 1 |
| C | Cost During Construction Phase | 42 | 6 |

Table 9.4. EMP Cost proposed during Operation Phase of Expansion Unit

| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
|--------|---|---------------------------|-----------------------------|
| I | Air pollution control – Air pollution control devices, Stacks, Fume Extraction System, Water Sprinkling | 50 | 10 |
| 2 | Water pollution control - ETP and STP | 75 | 18 |

M/s Prompt Enterprises Pvt. Ltd.

_31

| Total Project Cost for Expansion Project | | 19132 | |
|--|---|-------|----|
| | Proposed EMP Cost for Construction and Operation Phase for Expansion Project | 312 | |
| | Total Cost During Operation Phase | 270 | 50 |
| 7 | Provision of First Aid Room | 10 | 2 |
| 6 | Fire Safety & Fire Equipment | 90 | 5 |
| 5 | Environmental monitoring | 0 | 2 |
| 4 | Green area development | 40 | 10 |
| 3 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 5 | 3 |

The total Capital cost allocated for EMP budget is 452 Lakhs or 4.52 Crores which is approx. 1.72 % of the total project cost for Project *i.e.*, 262 Crores.

10. Conclusion

Based on the environmental assessment, the associated potential adverse environmental impacts can be mitigated to an acceptable level by adequate implementation of the measures as stated in the EIA and the EMP.

Hence, it may be concluded through the EIA study that the project have very negligible environmental impact and significant positive economic and social impact on the local community.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

Date: 16410-2023

Control of Control of

District California and the state of the project of the project of the state of the

Respected Striking m

A Pant A OU.

With y close of the anet - to - model subject we are hereby submitting Dian Environment up a Assessment H-nort (figton, since and office his conditions public hearing as a path-ones) of the sub- of the sub-

the ditchipe of Humanics and Annotal Green Tribunal NGT order dated 12th Tehmary does and should be the baroninine modeline of one 3250(E) dated 20th July. 2022, the standatone controlling models a technical theorem and Green and Fride exempted from Public hearing provided the application or the granteon TOR stando standar within Cherrico of Fronce) year from the date of the notifice data side a standard 20th July 2002. Hence introduced on Fronce hearing provided the application side a standard 20th July 20th July 2002. Hence introduced consultation is required for existing pareof the standard State Distance Television and Cherrico Patient.

And a strength of the second state of the second se

Rindel Monte entre Remarks dentes dentes (150000 is ficts in favour of Member Secretary, Haryana State





a an analasi fala 7.2 Ta 74 Ang

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024 Estt Br Enterprises Pvt. Ltd.

CIN No. :-- U51909DL2003PTC123366 Registered Office :- B-3/7, First Flool, Yammaa Vihar, New Delhi-110053 (INDIA)

Manufacturing := ERW Steel Tubes



Date: 16 October 2023

To. The Regional Officer (Palwal Region) Haryana State Pollution Control Board 2nd Floor, HSVP office Complex, Near Gym Khana Club Palwal (Haryana)

Sub: Regarding conducting Public Hearing for obtaining Environment clearance for the project "Manufacturing of CRCA sheets and Steel Pipes" Located at Khasra No 54//6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55//11/2, 20, 21/1, 21/2, 70//1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71//5 & 6 Village: Dudhola, Tchsil & District: Palwal, Haryana by M/s Prompt Enterprises Private Limited.

Respected Sir/Madam.

With reference to the above-mentioned subject, we are hereby submitting Draft Environment Impact Assessment Report to your concerned office for conducting public hearing as a part of EIA process for category B1.

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries/ units are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of I (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July, 2022. Hence no public consultation is required for existing part of the industry at Village Dhatir, Tehsil and District: Palwal,

Public Hearing is applicable only for the expansion part of the industry. Therefore, public hearing has to be carried at Village: Dudhola, Tehsil and District: Palwal (Haryana),

Please accept our application along with copy of Druft ElAY (10 sets), Executive Summary (English and Hindianleng with the demand draft of 150000 as fees in favour of Member Secretary, Haryana State Pollution Control Board payable at Panchkula for conducting public hearing.

inclosed DDNO-530600. Thanking You, (C to - The member . Socretary. Hangara State Rolliction Contral Board (-11, Soctor-G, Perchanta, Maryum-13, 100 Yours Sincerels, For M/s Prompt Enterprises PVT Ltd Authorized Signatory Plant-1 Plot No. 10 & 11, Sector-4, Ballabgarh, +911 (0129) 4069072 / 9205059072 773 /74 Paridahad(121004), Haryuna (INDIA) (0129) 4069074 Plant-II Village Gadpuri, Pulssal (121102), Haryan, w/promptsteel.com//accounts@promptsteel.com Plant-III Village Dhalir, Palwal (121102), Huryaning swpramptsteel.com Haryana State Pollution Control Board C-11, Sector 6, Panchkula



..

| <u>.</u> | TOR Compliance | |
|----------|---|---|
| S. No. | TOR POINT | COMPLIANCE/REPLY |
| | GENERAL CONDITIONS | |
| 1. | Introduction | |
| i) | Background about the project | The project CRCA sheets and Steel Pi manufacturing facilities comes under category 3(a) Metallurgical Industr |
| | | The project background is given in Section 1.3.1 of Chapter-1. |
| ii) | Need of the project | Need of this industrial project is given Section 1.5 of Chapter-1 |
| iii) | Purpose of the EIA study | Purpose of the EIA study is given Section 1.2 of Chapter-1 |
| iv) | Scope of the EIA study | Scope of the EIA Study is given Section 1.8 of Chapter-1 |
| 2. | Project description | |
| [A] | Site Details | |
| i) | Location of the project site covering village, Taluka/Tehsil, Districtand State. | The project is located at the Villa Dhatir & Dudhola, District Palw Haryana. Figure 2.1 & 2.2 in chapter shows the general and specific location of project site. |
| ii) | Site accessibility | The project is well connected by Prith Dhatir Road which is adjacent to proj site which in turns directly connected the NH-919 Highway. The Ecologi Sensitive area within 15km rad distance from project periphery is give |

| | | in Table 2.4. Section 2.5 of Chapter-2 |
|------|---|---|
| iii) | A digital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale.(including all eco-sensitive areas and environmentally sensitive places). | 10 km Radius Map around the Project Site and Environment Sensitivity Map within 15 Km Radius Map are shown in the Figure 2.6 and 2.7, respectively in Chapter-2 |
| iv) | Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area mustinclude at least 100m all around the project location | 500 m Buffer Map of Project Site or Georeferenced Topo-sheet is given in Figure 2.3 of Chapter-2 the same is also attached as <i>Annexure VI</i> (a) with the EIA report. |
| v) | Environment settings of the site and its surrounding along withmap | Given in Section 2.5 – Environmer Sensitivity Map within 15 Km Radiu Map is shown in Figure 2.7 in Chapte 2. |
| vi) | A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map | Given in Table 2.5 of Section 2.5 – an Location of the industries is depicted in the study area map is shown in the Figure 2.8 in Chapter 2. |
| vii) | In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall betreated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed. | Not Applicable. SikandarPur, canal located at 0.01 km distance at WSV direction. Haryana This is an existing unit and is inoperation Since 2008. |

- .

| | CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Complian |
|--------------|--|--|
| viii) | In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022 | Not Applicable. This is an existing unit and is inoperat Since 2021. |
| ix) | Type of land, land use of the project site. | Industrial. The area has been notified Industrial Area by the Town and Coun Planning Department, Govt. of Haryar |
| x) | Status of acquisition of land. If acquisition is not complete, stageof the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished | This is an existing unit and operation since 2021. |
| xi) | Engineering layout of the area with dimensions depicting existingunit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate | Site Layout Plan is attached as <i>Annexu</i> V. |
| [B] | Forest and wildlife related issues (if applicable): | |
| i) | Status of Forest Clearance for the use of forest land shall besubmitted | Not applicable. Also, the project existing and operational size 2021. |
| ii) | Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of theNational Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated | The Clearance under the Wildli (Protection) Act, 1972, to the Standin Committee of the National Board for Wildlife is not required as there is an notified Eco-Sensitive Zone or 10kg radius of national park/sanctuary is no |

| 1 | 8/8/2019 | located. |
|------|---|---|
| iii) | The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco- sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas. | No national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. are present within 10 km area of the project site. |
| iv) | Wildlife Conservation Plan duly authenticated by the Competent Authority of the State Government for conservation of Schedule I fauna, if any exists in the study area. | biosphere reserve/ tiger reserve/ elephant |
| [C] | Salient features of the project | |
| i) | Products with capacities in Tons per Annum for the proposed project | Production capacity of project is given in Table 2.7 of Chapter-2 |
| ii) | If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum. | |
| iii) | Site preparatory activities. | Not Applicable. This is an existing unitand is in operatio since 2021 |
| iv) | List of raw materials required and their source along with modeof transportation. | Raw material required is Hot rolled low carbon steel coils. Hot Rolled Coils of Steel are procured from Tata Steel Lto Estimated Quantity of Raw materia required is given in Table 2.10 & 2.11 of Chapter-2 |

. .

| | CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Complian |
|-------|--|---|
| v) | Other than raw materials, other chemicals and materials required with quantities and storage capacities. | Other than raw materials, or chemicals and materials required their Storage details are given in T 2.8 of Chapter-2 |
| vi) | Manufacturing process details along with process flow diagram of proposed units. | Manufacturing process details along process flow diagram of proposed un given in Section 2.6.5 of Chapter-2 |
| vii) | Consolidated materials and energy balance for the project | Consolidated materials and en balance for the project is given in Sec 2.7 of Chapter 2 |
| viii) | Total requirement of surface/ ground water and power with theirrespective sources, status of approval. | Total requirement of surface/ growater is given in Section 2.8 of Chap 2. Application for permission withdrawal of ground water is submit to competent authority. Details of power requirement is show the section 2.10. |
| ix) | Water balance diagram | Water balance diagram for Summer Monsoon season are given in Figure 2 and 2.11 of Section 2.8 – Chapter 2 |
| x) | Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.) | |
| xi) | Man-power requirement. | Man power requirement for the exist and expansion unit is given in Sect 2.6.4 – Chapter 2 |
| xii) | Cost of project and scheduled time of completion. | The cost of the project Existing U land and machinery has been Rs 70 Crore. For proposed expansi |

| | | additional investment of Rs 191.32 Crore is expected. The total project cost including expansion shall be Rs 262 Crore. The project will be completed within 3 years after granting EC. |
|-------|---|--|
| xiii) | Brief on present status of compliance (Expansion/modernizationproposals | This is a post-facto EIA study under the directive of Hon'ble NGT order dated 12.02.2020 (OA No. 55 of 2019). CTO documents enclosed as Annexure- II. Self-certified CTOcompliance repor- is enclosed as Annexure XIX. |
| a) | Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out. | This is a post-facto EIA study. Impactdu to the existing project is given i chapter-4. |
| b) | In case of ground water drawl for the existing unit, action plan forphasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source. | Application for permission of withdrawa of ground water is submitted to HWRA Receiving of the same is attached a Annexure XVII. |
| c) | Copy of all the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in all the existing environment clearances including amendments shall be provided. | The unit is operational since 2021. The Cold Rolling Mill activities are not covered under the purview of the EL Notification 2006 and its subsequent amendments. This is a post-facto EIA study, CTO copies attached as <i>Annexure II</i> . |
| d) | In case the existing project has not obtained Environment Clearance, reasons for not taking EC under the provisions of | This is a post-facto EIA study under the directive of Hon'ble NGT order date |

-

| | shall be provi Objection Cert units operating CTO of FY 20 submitted. Furt | ided. Copie ificate and prior to EI 05- 2006) of her, complia | s of Consen Consent to C A Notification btained from ance report to | Notification 2006 t to Establish/No operate (in case of on 2006, CTE and the SPCB shall be the conditions of he SPCB shall be | CTO Copy is enclosed as Annexure I Self-certified CTO compliance report enclosed as Annexure XIX. |
|-----|---|---|---|--|---|
| 3. | Description of | the Environ | iment | | |
| i) | Study period | | | | (3 consecutive non-monsoon month monitoring done) March 2023 to Ma 2023. |
| ii) | Approach and furnished below | methodolog | y for data c | ollection as | |
| | Attributes | ļ | mpling Frequency | Remarks | Baseline data generated for the summe season of 2023 (March-May) is used in this EIA report |
| | A. Air Environ | ment | | | ······································ |
| | Micro- | Minimum | 1 | • IS 5182 Part 1- 20 | Site Specific Monitoring report i enclosed as Annexure XII. |
| | Meteorological • Wind speed (Hourly) • Wind direction • Dry bulb temperature • Wet bulb | | hourly continuous | Site specific primary data is essential Secondary data from IMD, New Delhi UCPCB guidelines to be considered. | |

| characteristic |
|----------------|
|----------------|

-

| At Village Dhat | | а, Раїмаї, Наг <u>.</u> | yana | Draft EIA Report – TOR Complia. |
|--------------------|------------|-------------------------|-------------------|---------------------------------|
| | | | based on the | |
| | | | NAAQM | |
| | | | standards as per | |
| | | | GSR 826(E) | |
| | | | dated 16/11/2009 | |
| | | | and take into | |
| | | | account the | |
| | | | predominant | |
| | | | wind direction, | |
| | | | population zone | |
| | | | and sensitive | |
| | | | receptors | |
| | | | including | |
| | | | reserved forests, | |
| | | | • Raw data of all | |
| | | | AAQ | |
| | | | measurement | |
| Pollutant | At least 8 | 1 · | Sampling as per | |
| •PM _{2.5} | 12 | National | CPCB | |
| •PM10 | locations | Ambien t Air | (I | |
| • SO ₂ | | Quality | • Collection of | |
| • NO _x | | Standards, | AAQ data | |
| • CO | | CPCB | (except in | |
| • HC | | Notification | monsoon | |
| •Other | | | season) | |
| parameters | | | • Locations of | |
| relevant to the | | | various stations | |
| project and | | | for different | |
| topography of | | | parameters | |
| the area | | | should be | |
| | | | related to the | |

| | & Dudhola, Palwal, Har | characteristic |
|---|------------------------|---------------------------------|
| | | |
| | | properties of the |
| | | parameters. |
| | | • The |
| | | monitoring stations shall be |
| | | based on the |
| | | NAAQM |
| | | standards as per |
| | | GSR 826(E) |
| | | dated 16/11/2009 |
| ļ | | and take into |
| | | account the |
| | | predominant |
| | | wind direction, |
| | | population zone |
| | | and sensitive |
| | | receptors |
| | | including |
| | | reserved forests, |
| | | Raw data of all |
| | | AAQ |
| | | measurement for |
| | | 12 weeks of all |
| | | stations as per |
| | | frequency given |
| | | in the NAAQM |
| | | Notification of |
| | | 16/11/2009 along |
| | | with min., max., |
| | | average and 98% |

| B. Noise | Hourly equivalent noise | At least 8-12 locations | values for each of the AAQ parameters from data of all AAQ stations should beprovided as an annexure to the • EIA Report. As perCPCB norms | |
|--------------------------------|--|---|---|--|
| C. Water | levels | | | · · · · · · · · · · · · · · · · · · · |
| hardness, total alkalinity, | collected an • IS: 2488 sampling effluents • Standard water and w | and testing methods for e vastewater anal | | Site Specific Monitoring report fo [6] locations each for Ground wate Surface water analysis is enclose Annexure XII. |

| COD, Phenol | | | |
|---------------------|---------------------------------------|------------|--------------------------------------|
| • Heavy metals | | | |
| •Total | | | |
| coliforms, faecal | | | |
| coliforms | | | |
| • Phyto | | 1 | |
| plankton | | | |
| • Zoo plankton | | | |
| - 200 prairies - | | | |
| | | | |
| | | - | |
| | | i | |
| | | | |
| For River | Surfacewater | Yield of | No river body is present withinstudy |
| Bodies | quality of the nearest River | water | (in 10 Km). This condition has |
| Total Carbon | (60m | sources to | removed as perAmendment of ToR of |
| | upstream and downstream) | be | 20/09/2022 |
| • pH • Dissolved | and other surface | measured | |
| | water | during | |
| Oxygen | | critical | |
| • Biological | | season | |
| Oxygen | | Standard | |
| Demand | · · · · · · · · · · · · · · · · · · · | methodolog | g |
| • Free NH4 | | y fo | r |
| • Boron | | collection | |
| • Sodium | | of surfac | e |
| Absorption | | water | |
| Ratio | | (BIS | Site Specific Monitoring report of s |
| • Electrical | | standards) | surface water samples is enclosed a |
| Conductivity | | | Annexure XII. |

~

| At Village Dhati | d Steel Pipes manufacturing facilities r & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Compliance |
|------------------------|--|---|
| For Groun Water | d Ground water monitoring data should be collected at minimum of 8 locations (from existing wells /tube wells/existing current records) from the study area and shall be included. | Monitoring reports for six groundwater samples are enclosed Annexure XII. |
| D. Traff | ic | No traffic study has been done. As it is |
| Study | | existing project, traffic due to the existing |
| Type of vehicle | s | project and parking arrangement a |
| Frequency | | given in Section 2.11 of Chapter-2 |
| of vehicles | | |
| for | | |
| ransportatio | | |
| nof | | |
| materials | | |
| Additional traffic | | |
| due to proposed | | |
| project | | |
| Parking | | |
| arrangement | | |
| E. Land Enviro | nment | |
| Soil | Soil samples be collected as per | Site Specific Monitoring report i |
| • Particl | BISspecifications | enclosed as Annexure XII. |
| e size | | |
| distributi | | |
| | | |

| • Texture | |
|-----------------|-----------------------------------|
| ◆ pH | |
| • Electrical | |
| conductivity | |
| • Cation | |
| exchange | |
| capacity | |
| • Alkali metals | |
| • Sodium | |
| Absorption | |
| Ratio | |
| (SAR) | |
| • Permeability | |
| • Water | |
| holding | |
| capacity | |
| • Porosity | |
| Land | Details of Landuse pattern is giv |
| use/Lands | Section 3.7 Land Environmen |
| cape | Chapter-3 |
| • Location code | |
| • Total project | |
| area | |
| • Topography | |
| • Drainage | |
| (natural) | |
| • Cultivated, | |
| forest, | |
| plantations, | |
| water bodies, | |

-

| | | r & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Complianc |
|----------|-------------|--|-----------------------------------|
| road | ls and | | |
| settl | ements | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| <u> </u> | iological E | Cnvironment | |
| Aqu | atic | Detailed description of flora and fauna | Given in Section 3.8 of Chapter-3 |
| Prim | ar | (terrestrial and aquatic) existing in the | |
| У | | study area shall be given with special | |
| prod | uc | reference to rare, endemic and endangered | |
| tivity | , | species. Indicator species which indicate | |
| Aqua | tic weeds | ecological and environment degradation | |
| Enun | neration | should be identified and included to clearly | |
| of | phyto | state whether the proposed project would | |
| plank | ton, zoo | result in to any adverse effect on any | |
| plank | ton and | species. | |
| benth | os | • Samples to collect from upstream and | |
| Fishe | ries | downstream of discharge point, nearby | |
| Diver | sity | tributaries at downstream, and also from | |
| indice | ×s | dug wells close to activity site. | |
| Tropł | nic levels | • For forest studies, direction of wind | |
| Rare | and | should be considered while selecting | |
| endan | gered | forests. | |
| specie | s | • Secondary data to collect from | |
| Marin | e Parks/ | Government offices, NGOs, | |
| Sanct | uaries/ | publishedliterature. | |
| closed | areas | | |
| /coasta | al | | |

| At Village Dhatir & | Dudhola, Palwal, Haryana | Draft EIA Report – TOR Compliance |
|---------------------|--------------------------------------|--|
| regulation | | |
| zone (CRZ) | | |
| Terrestrial | | |
| Vegetation- | | |
| species list, | | 1 |
| economic | | |
| importance, | | |
| forest | | |
| produce, | | |
| medicinal | | |
| value | | |
| Importance | | |
| value index | | |
| (IVI) of trees | | |
| Fauna | | |
| Avi fauna | | |
| Rare and | | |
| endangered | | |
| species | | |
| Sanctuaries / | | |
| National | | |
| park / | | |
| Biosphere | | |
| reserve | | |
| Migratory | | |
| routes | | |
| F. socio-econon | nic | |
| • Demographic | •Socio-economic survey is based on | Detail of socioeconomic study is given |
| structure | proportionate, stratified and random | Section 3.9 of Chapter-3 |
| Infrastructure | sampling method. | |
| | | |

--- ,

| | AI VIIIage Dhatir & | Steel Pipes manufacturing facilities & Dudhola, Palwal, Haryana | Draft ELA Report – TOR Complian |
|----------|---|--|--|
| | | Primary data collection through | |
| | •Economic | questionnaire | |
| | resource base | Secondary data from census records, | |
| | L Health | statistical hard books, topo sheets, health | |
| | status: | records and relevant official records | |
| | Morbidity a | available with Govt. Agencies | |
| | pattern | | |
| | •Cultural and | | |
| | aesthetic | | |
| | attributes | | |
| | education | | |
| | Interpretation of ea | ach environment attribute shall | Chapter 3 - |
| | | summarized as given below: | Ambient Air Quality Interpretati |
| | Ambient air qual | | Section 3.3. |
| | • Ambient Noise q | uality | Ambient Noise Quality Interpretatio |
| | Surface water qui | ality | section 3.4 |
| | • Ground water qua | ality | Groundwater and surface water qual |
| iii) | • Soil quality | | Interpretation - section 3.5 |
| | Biological Enviro | onment | Soil quality interpretation -section 3.7 |
| | • Land use | | Biological Environment Interpretation |
| | • Socio-economic e | environment | section 3.8 |
| | | | Land use Interpretation -section 3.8, |
| | | | Socio-economic Interpretation - section |
| <u> </u> | | | 3.9 |
| | Anticipated Envi | ronment Impacts and mitigation | |
| 4. | measures (In case of expansion, cumulative impact | | |
| | assessment shall be | e carried out) | |
| | Identification of po | tential impacts in the form of a matrix | The Overall Scenario of Potenti |
| i) | | n and operation phase for all the | Environmental Impacts in Construction |
| | environment compo | | & Operation Phases is given in Section |

| | | | | | 4.7 – Chapter 4. |
|------|--|--|---|---|--|
| | Activity | Environment | Ecological | Socio- Economic | |
| | Construction | | | | |
| | Operation | | | | |
| i) | Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | | | | to in air quality due to |
| a) | Construction phase | | | | Anticipated impacts in air quality due to project under construction condition is given in Section 4.5.6 of Chapter-4. |
| b) | Operation ph | ase | Anticipated impacts in air quality due to project under operation condition is given in Section 4.6.6 of Chapter-4. | | |
| | proposedact • Assessment from the stand quality contact the location receptors, in period • Impact on abnormal and emergency emissions | nt of ground level ours shall be plott of project site, f any along with m ground level of nd emergency co situations in the e | I concentration d on AQIP Mo ed on a location habitation mo wind rose ma concentration, nditions. Mea vent of uncont | on of pollutants odelling The air on map showing earby, sensitive p for respective under normal, sures to handle rolled release of | |
| iii) | | ambient noise q easures; Assessm | | | |

. ----

| | Residual impact) | Draft EIA Report – TOR Complianc |
|-----|---|---|
| a) | Construction phase | Impact on ambient noise qua (Sources; Embedded control measur Assessment; Mitigation measur Residual impact) during construct phase is given in Section 4.5.7 Chapter-4. |
| b) | Operation Phase | Impact on ambient noise qual (Sources; Embedded control measur Assessment; Mitigation measur Residual impact) during operation pha is given in Section 4.6.7 of Chapter-4 |
| iv) | Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on traffic (Sources; Embedd control measures; Assessment; Mitigati measures; Residual impact) duri construction phase is given in Section 4.5.10 of Chapter-4 |
| b) | Operation Phase | Impact on traffic (Sources; Embedd control measures; Assessment; Mitigatic measures; Residual impact) durin operation phase is given in Section 4.6 of Chapter-4 |
| v) | Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on soil quality (Source |

| | | Embeddedcontrolmeasures;Assessment;Mitigationmeasures;Residualimpact)duringconstructionphase is given in Section 4.5.3 Chapter-4ImpactonsoilqualityImpactonsoilquality |
|------|---|---|
| b) | Operation Phase | Impact on soil quality (Sources: Embedded control measures: Assessment; Mitigation measures: Residual impact) during operation phase is given in Section 4.6.3 of Chapter-4 |
| vi) | Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on land use (Sources; Embedder control measures; Assessment; Mitigatio measures; Residual impact) durin construction phase is given in Sectio 4.5.2 Chapter-4 |
| b) | Operation Phase | Impact on land use (Sources; Embedde control measures; Assessment; Mitigatio measures; Residual impact) durin operation phase is given in Section 4.6 of Chapter-4 |
| vii) | Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on surface water resource an quality (Sources; Embedded contr measures; Assessment; Mitigati- measures; Residual impact) duri |

~

| _ <u></u> | CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Compliance |
|-----------|--|---|
| | | construction phase is given in Secti 4.5.5.1 of Chapter-4 |
| b) | Operation Phase | Impact on surface water resource a quality (Sources; Embedded contr measures; Assessment; Mitigati measures; Residual impact) duri operation phase is given in Section 4.6.5.1 of Chapter-4 |
| viii) | Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on ground water resource and quality (Sources; Embedded contre measures; Assessment; Mitigation measures; Residual impact) durine construction phase is given in Section 4.5.5.2 of Chapter-4 |
| b) | Operation Phase | Impact on ground water resource an quality (Sources; Embedded contro measures; Assessment; Mitigatio measures; Residual impact) durin operation phase is given in Section 4.6.5.2 of Chapter-4 |
| ix) | Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on terrestrial (Sources; Embeddec control measures; Assessment |

| | | during construction phase is given in Section 4.5.8 – Chapter 4 |
|-----|---|--|
|) | Operation Phase | Impact on terrestrial (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) during operation phase is given in Section 4.6.8 – Chapter4 |
| x) | Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on socio-economic environment (Sources; Embedded control measures Assessment; Mitigation measures Residual impact) during construction phase is given in Section 4.5.12 Chapter4 |
| b) | Operation Phase | Impact on socio-economic environment (Sources; Embedded control measure Assessment; Mitigation measure Residual impact) during operation phase is given in Section 4.6.11 –Chapter4 |
| xi) | Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact) | |
| a) | Construction phase | Impact on occupational health and safe (Sources; Embedded control measur Assessment; Mitigation measur Residual impact) during construction phase is given in Section 7.4 – Chapter |

| | Operation Phase | Impact on occupational health and s |
|------|--|---|
| b) | | (Sources; Embedded control meas Assessment; Mitigation meas Residual impact) during operation p is given in Section 7.4 –Chapter 7. |
| 5. | Analysis of Alternatives (Technology & Site) | |
| i) | No project scenario | Not Applicable |
| ii) | Site alternative | Not Applicable |
| iii) | Technical and social concerns | Not Applicable |
| iv) | Conclusion | Not Applicable |
| 6. | Environmental Monitoring Program | |
| i) | Details of the Environment Management Cell | Environment Management Cell in de is given in Section 10.5 Chapter-10 |
| ii) | Performance monitoring schedule for all pollution control devices shall be furnished. | Environmental Monitoring Plan Construction & Operation Phase is given in Table 10.3 Chapter-10 |
| iii) | Corporate Environment Policy | Environmental Policy of the Company given in Section 10.6 Chapter-10 |
| a) | Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report. | Yes, the company have a well laid do Environment Policy approved by Board of Directors. The Corpor Environment Policy is given in secti 10.6 – Chapter 10 |
| b) | Does the Environment Policy prescribe for standard operatingprocess / procedures to bring into focus any infringement / deviation / violation of the environment | The Corporate Environment Policy given in section 10.6 – Chapter 10 |

| | or forest norms / the EIA. | conditions? | lf so, it m | ay be detaile | ed in | |
|-----|--|---------------------------|-------------|---------------|---|---|
| c) | the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given. | | | | The hierarchical system Administrative order of the company deal with the environment issues and f ensuring compliance with the environment clearance conditions given in Figure 10.1 – Chapter 10 | |
| d) | Does the company have system of reporting of noncompliance / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report | | | | | The hierarchical system of Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions given in Figure 10.1 – Chapter 10 |
| iv) | Action plan for | post-project | environme | ent monitori | ng matrix | : |
| | Activity Aspect | t Monitoring Parameter | Location | Frequency | Respo nsibility | |
| | Construct ionPhase | | | | | Environmental Monitoring Plan f Construction & Operation Phase is give in Table 10.3 Chapter-10 |
| | Operation Phas | e | | | | Environmental Monitoring Plan f Construction & Operation Phase is giv in Table 10.3 Chapter-10 |
| 7. | Additional Stu | udies – | L | | | |
| i) | Public consultation details (Entire proceedings as separate Annexure along with authenticated English Translation Public Consultation proceedings). | | | | | Public hearing is exempted as p of MoEF&CC Notification dated 20 Ju 2022. This condition has been removed per Amendment of ToR dated 20/09/20 |

| | At Village Dhatir & Dudhola, Palwal, Ha | ana Draft EIA Report – TOR Compliance |
|----------|--|---|
| ii) | Summary of issues raised during publi with action plan to address the same as p dated 30/09/2020 | |
| | S. Not applicable Year of No Implementati (Budget in IN) | |
| <u> </u> | Not Physical 1st 2nd 3 rd applicable target | Not applicable |
| iii) | Risk assessment Methodology Hazard identification Frequency analysis Consequence analysis Risk assessment outcome | Risk Assessment and Disast Management Plan is given in Section- 7 – Chapter7 |
| iv) | Emergency response and preparedness pl | Emergency Response Plan (ERP) is give in Section-7.5 of Chapter-7 |
| 8. | Project Benefits | |
| i) | Environment benefits | Details of Environment benefits is give in Section 8.5- Chapter8 |
| ii) | Social infrastructure | Details of benefits to the Social infrastructure is given in Section-8.3 - Chapter 8 |
| iii) | Employment and business opportunity | Details of Employment benefit and business opportunity is given in Section 8.13- Chapter8 |
| iv) | Other tangible benefits | Other tangible benefits are given in Section-8.14- Chapter-8 |
| 9. | Environment Cost Benefit Analysis | Environment Cost Benefit Analysis is |

| | | given in Chapter-9 |
|----------|---|--|
| <u>.</u> | Net present value | |
| i) | Internal rate of return | |
| ii) | Benefit cost ratio | _ |
| iv) | Cost effectiveness analysis | |
| 10. | Environment Management Plan (Construction and Operationphase) | |
| i) | Air quality management plan | Air quality management plan is given in the Section-10.3 of Chapter-10 |
| ii) | Noise quality management plan | Noise quality management plan is given in the Section-10.3 of Chapter-10 |
| | Solid and hazardous waste management plan | Solid and hazardous waste management plan is given in the Section-10.3 of Chapter-10 |
| iv) | Effluent management plan | Effluent management plan is given in the Section-10.3 of Chapter-10 |
| v) | Storm water management plan | Storm water management plan Given in Section 10.3-Chapter 4 |
| vi) | Rain water harvesting plan | Rain water harvesting plan Given in Section 10.3 – Chapter 4 |
| vii) | Occupational health and safety management plan | Occupational health and safety management plan Given in Section-10.3 Chapter 10 |
| viii) | Green belt development plan | Green belt development plan Given in Section-10.3 – Chapter 10 |
| ix) | Socio-economic management plan | Socio-economic management plan i covered in Chapter 3 |

<u>(</u>

| | CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report – TOR Compliance |
|-----|---|--|
| x) | Wildlife conservation plan (In case of presence of schedule Ispecies). | Not Applicable |
| xi) | Total capital cost and recurring cost/annum for environment pollution control measures shall be included | Environmental Management Plan Cost given in Section-10.7 – Chapter 10 |
| 11. | Conclusion of the EIA study | Provided in Chapter 11 |
| 12. | In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case. | project regarding environmental matter. |
| | SPECIAL CONDITIONS | |
| 1) | For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated. | mill. |
| 2) | Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines. | Being a cold rolling mill unit, CREI guidelines are not applicable. However the unit has incorporated appropriate mitigation measures to comply with applicable standards. |
| 3) | Plan for solid wastes utilization | Given in Section - Chapter 4 |
| 4) | Plan for utilization of energy in off gases (coke oven, blast furnace) | Not applicable |
| | | |

| 6) | Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials. | HSPCB is attached as Annexure XVI. |
|-----|--|--|
| 7) | Details on toxic metal content in the waste material and its composition and end use (particularly of slag). | generated in the process. |
| 8) | Details on toxic content (TCLP), composition and end use of slag. | This is a cold rolling mill and no slag is generated in the process. |
| 9) | 100 % dolochar generated in the plant shall be used to generate power. | |
| 10) | Fourth Hole fume extraction system shall be provided for SAF.WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilize the fines generated in the process. | WHR are installed within the premises. Mill Scale waste is recycled through the |
| 11) | No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided. | |
| 12) | Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019 | d Emission/ Effluent Norms as per CTC document is followed. |

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 1

CHAPTER-1

INTRODUCTION

1.1 Preamble

ElA is a technical exercise, to predict environmental impacts, assess their significance, and provide recommendations for their mitigation. This assessment covers construction and operation of the development. The report covers a wide range of technical disciplines and covers areas such as noise, air quality, ecology, contamination, water quality & hydrology, local architecture, landscape, sustainability and socio-economics.

Identification and characterization of critical environmental impacts allow the public and government to form a view about the environmental acceptability of a developmental project and what conditions should apply to mitigate or reduce those risks and impacts.

This report has been prepared as per the EIA Notification, 14th September 2006 and its amendments thereof. EIA Guidance Manual for Metallurgy and Terms of Reference (ToR) approved by the SEIAA, Haryana vide letter no. F.no. SEIAA/HR/2023/329 dated 07 April 2023 attached as *Annexure-I*.

1.2 Purpose of the EIA Study and EIA Report

The project is under 3(a) category of EIA notification 2006 and its amendments thereof. Identification and characterization of critical environmental impacts using EIA as tool for CRCA sheets and ERW Steel Pipes manufacturing facilities at Village Dhatir & Dudhola, Palwal, Haryana by M/s Prompt Enterprises Pvt. Ltd.

1.3 Identification of the Project & Project Proponent 1.3.1 The Project

- 1. The project is manufacturing of CRCA sheets and ERW Steel Pipes with the total existing capacity is CRCA sheets @600 MT/Day and ERW Steel Pipe @95 MT/Day.
- 2. There are no induction furnaces for manufacture of liquid steel. These items are produced by cold rolling of HR coils at high pressure. The raw material HR sheets are procured from Tata Steel Ltd.
- 3. The project proponent wants to carry out expansion of existing plant at same location. The present manufacturing facilities are situated in a plot area of 42,443 m². For carrying out expansion additional land 60,879.288 m² has been acquired adjacent to existing plot.
- 4. The expansion is proposed only in manufacturing of CRCA sheets. The existing capacity will

M/s Prompt Enterprises Pvt. Ltd.

be increased by 1500 MT/Day hence, total proposed production capacity will be @2100 MT/Day. The existing manufacturing capacity of ERW Steel pipes will remain unchanged @ 95 MT/Day.

- 5. Earlier, the cold rolling activities were not covered under the purview of the EIA Notification 2006 and its subsequent amendments, therefore Environmental Clearance was not applicable to this project.
- 6. The existing project has obtained Consent to Operate from Haryana Pollution Control Board vide a letter no. HSPCB/Consent/: 313102621PALCTO13467003 dated 02/08/2021 valid up to 30/09/2023 for the capacity of CRCA sheets @600 MT/Day and ERW Steel Pipe @95 MT/Day. The copy of CTO is attached as an *Annexure II*.
- The existing project has obtained a license for the Installation of Petroleum class B from Petroleum & Explosives Safety Organization (PESO) vide License No. P/NC/HN/15/1870 (P394505) – which is valid up to 31/12/2023. The Copy of PESO License is attached as Annexure III.
- 8. As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the stand alone cold rolling stainless steel manufacturing industries require prior Environment Clearance under the project/activity classified as 3(a) Metallurgical Industries irrespective of their production capacity.
- 9. As per EIA Notification 14th September, 2006 and its amendment thereof, the project listed in category 3(a) and falls under category "B" i.e., all other non-toxic secondary metallurgical processing industries and under "B1" as the total production is 8,01,175 tons per annum which is greater than 5000 tons per annum.
- 10. Also, per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries/ units are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of 1 (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July, 2022
- 11. The application for TOR for this unit is submitted to State Environment Impact Assessment Authority, Haryana vide a proposal no SIA/HR/IND1/424752/2023 dated 04 April 2023 which is within the window period of 1 (one) year therefore the Public Hearing is exempted for this

65

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 1

project. Auto TOR is issued on 07 April 2023 from SEIAA, Haryana. In this connection, this EIA report has been prepared. TOR letter issued by the SEIAA, Haryana as received vide F.no. SEIAA/HR/2023/329 dated 07 April 2023 is attached as *Annexure-I*.

12. The basic information about the project is as given below the Table 1.1.

S. No. Item Details Manufacturing of CRCA sheets and Steel 1. Name of the project Pipes by Prompt Enterprises Pvt Ltd at Village Dhatir & Dudhola, Palwal Khasra No 24//25/3, 25//10, 11, 12, 19, 20, Location 21. 22, 27//1, 2/1, 2/2, 28//5/3/1. 24//25//1/4, 14/3/2, 15/2/1, 14/3/4,15/2/2, 12//24/3/1, 24//4/3/1, 5, 6, 15/1, 15/2/3, 16/1/1, 16/2/1/1, 16/2/1/2, 16/2/1/3, 25/1/3, Plot/survey/Khasra no. 17/1/1/2, 16/2/1/4, 16/2/1/3, 25/1/1, 7/3/1, 22/1 at Village Dhatir and 54//6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55//11/2, 20, 21/1, 2. 21/2, 70//1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71//5 & 6 at Village Dudhola Village Dhatir & Dudhola Tehsil Palwal District Palwal State Haryana Pin code 121102 Secondary metallurgical industries- non-3. Type of project toxic secondary metallurgical processing industries. 3(a) Metallurgical Industries (Ferrous & 4. Category Non Ferrous) 5. **Existing Plot Area** 42443 sqm **Expansion Plot Area** 6. 60879.288 sqm Total Plot Area (Existing + 103322.288 sqm 7. Expansion) CRCA sheets= 600 MT/Day 8. Existing Production Capacity ERW Steel Pipe= 95 MT/Day CRCA sheets= 1500 MT/Day **Expansion** Production 9. Capacity ERW Steel Pipe= 00 MT/Day CRCA sheets= 2100 MT/Day Total Production Capacity 10. (Existing + Expansion) ERW Steel Pipe= 95 MT/Day Total Project Cost(Existing + 262 Cr [70.68 Cr (Existing) + 191.32 Cr 11. Expansion) (expansion)]

Table - 1.1 Project Details

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 1

1.3.2. The Project Proponent

The project proponent for this project is Prompt Enterprises Pvt. Ltd., hereafter being referred as project proponent, it is an engineering company established in 2008. This unit was established by project proponent in the year 2021. It manufactures structural steel components like ERW steel pipes and cold rolled close annealed (CRCA) sheets. Basic Information of the Project Proponent is given in **Table 1.2**.

| S. No. | Nature of Business | Exporter and Manufacturer |
|--------|-----------------------|--|
| 1. | Company Name | Prompt Enterprises Pvt Ltd |
| 2. | Directors of Company | Mukesh Garg (MD) Mr. Kamlesh Gupta (Director) Mr. Vishal (Director) Ms Anubha Garg (Director) |
| 3. | Year of Establishment | 2021 |
| 4. | Legal Status of Firm | Private Limited Company |
| 5. | GST No. | 06AADCP3982G1ZB |
| 6. | CIN No. | U51909DL2003PTC123366 |

Table - 1.2 Basic Information of Proponent

1.4 Environmental Consultant

M/s OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd. (OEMSIPL) is a QCI NABET accredited environment consultancy firm.

Company Name: OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd.

QCI NABET Certificate: Certificate No. QCI CERTIFICATE NO-NABET/EIA/2124/RA 0217 Valid till 04.08.2024 attached as *Annexure IV*.

Registered Address: 208/79A, Street No 4, Rameshwar Nagar, Azadpur, Delhi – 110033

Correspondence Address: 218, Sector 11, Vasundhara, Ghaziabad, Uttar Pradesh - 201012

Email ID: info@oceaoenviro.com

Phone No: +91 120 - 4338047; Website: www.oceaoenviro.com

M/s Prompt Enterprises Pvt. Ltd.

1.5 Need for the Project

Steel is considered the backbone of national economic development. A vibrant steel industry has historically been the foundation of a nation's rapid industrial development and is considered a yardstick for the improving standard of living of the people in a country. Keeping in view the increasing demand of cold roll stainless steel in the field of healthcare, automobiles and home appliances, it was felt by the management to establish the cold rolling Division to cater the domestic demand. At present the Stainless Steel coils are required in large amount in various industrial, infrastructure projects like railways, metro rails, household appliances, lifts etc. The consumption of ERW steel pipe, a key ingredient in several industries such as construction, infrastructure, will continue to be linked closely to the economic prospects of a country or region. The Company is continuously focusing on development of new value-added stainless-steel grades, process improvements, and customer satisfaction by developing customized products matching their specific requirements.

Due to its excellent corrosion resistance, high strength and attractive appearance, steel sees a wide range of uses across both industrial and consumer markets.

Keeping in view the increasing demand of cold roll steel in the field of healthcare, automobiles and home appliances, it was felt by the management to expand its activities. At present the Stainless Steel coils are required in large amount in various industrial, infrastructure projects like railways, metro rails, building and construction, lifts etc. The consumption of ERW steel pipe, a key ingredient in several industries such as construction, infrastructure, will continue to be linked closely to the economic prospects of a country or region.

1.6 Brief Description of the Project

The project site is located at Village Dhatir & Dudhola, Palwal, Haryana by M/s Prompt Enterprises Pvt. Ltd. over a land measuring 103322.288 sqm that is 25.53 acres (Existing + Expansion). We have already obtained Consent to Operate from Haryana Pollution Control Board vide a letter no. HSPCB/Consent/: 313102621PALCTO13467003 dated 02/08/2021 valid up to 30/09/2023 for the capacity of CRCA sheets- 600 MT/Day and ERW Steel Pipe- 95 MT/Day. The copy of CTO is attached ref *Annexure II*.

Now, project proponent wants to go for Expansion of production capacity from CRCA sheets- 600 MT/Day and ERW Steel Pipe- 95 MT/Day to CRCA sheets-2100 MT/Day and ERW Steel Pipe- 95 MT/Day.

Nature: The existing plant produces Cold Rolled closed annealed (CRCA) sheets and ERW steel

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 1

pipes

Size: This is a large scale unit with approximate project cost of INR 262 Crore (70.68 Crore for existing Plant + 191.32 Crore for Proposed Plant). At present this plant engages about 100 in-house staffs and 300 staffs under contractual basis.

Land Area: The total area of the plant is 103322.288 sqm [42443 sqm (Existing plant) + 60879.288 sqm (proposed Expansion Unit)].

Location of the project: The project is located at the khasra No 24//25/3, 25//10, 11, 12, 19, 20, 21, 22, 27//1, 2/1, 2/2, 28//5/3/1, 24//25//1/4, 14/3/2, 15/2/1, 14/3/4,15/2/2, 12//24/3/1, 24//4/3/1, 5, 6, 15/1, 15/2/3, 16/1/1, 16/2/1/1, 16/2/1/2, 16/2/1/3, 25/1/3, 17/1/1/2, 16/2/1/4, 16/2/1/3, 25/1/1, 7/3/1, 22/1 in village Dhatir & 54//6, 7, 14, 15, 16/1, 17/1, 24/1, 25, 55//11/2, 20, 21/1, 21/2, 70//1, 2/1, 2/2, 3/1, 9, 10/1, 10/2, 11, 71//5 & 6 in Village Dudhola, Village Dhatir & Dudhola, District Palwal, Haryana. Google Earth image is shown in the Figure 1. Geographical location of the proposed project site is Latitude: 28°12'4.99"N, Longitude: 77°15'43.44"E.

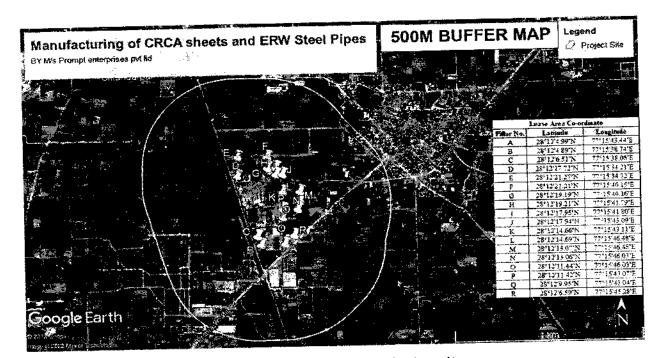


Figure 1.1. Google Earth Image of the Project site

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 1



Figure 1.2 Site Photograph

1.7 Objective of EIA Study

The objective of EIA study is to predict and address potential Environmental Impacts anticipated from the project and its mitigation measures by identifying the key environmental impacts/ issues as a result

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 1

of the planned activities and formulating mitigation measures, leading to an improvement in environmental quality.

1.8 Scope of the EIA Study

The scope of the study is:

- Filed survey for primary data generation on flora, fauna, socio-economic condition of the area and selection of environmental monitoring locations.
- On-site monitoring of environmental parameters viz. soil, water, ambient air and ambient noise and within 10 km radius from project site samples were collected and analyzed from total 8 locations for ambient air, 7 locations for ambient noise, 7 locations for soil, 6 locations for groundwater & 6 locations for surface water.
- Secondary data collection of land use pattern, topography, geological setting, meteorology, flora & fauna of the area and socio-economic environment
- Compilation of baseline environmental monitoring of environment parameter and social scenario of the study area within a radius of 10 km around the project site based on field studies covering 03 months (March 2023 – May 2023) and secondary data collection;
- Identification, prediction and evaluation of potential environmental impacts expected during the construction and operation phase of the project;
- Preparation of environmental monitoring programme in construction and operation phases
- Preparation of pollution control and mitigation measures, Environmental Management Plan (EMP) and approximate environmental budget allocation for the project.
- Incorporation of Terms of Reference (TOR) points

1.9 Study Methodology

The approach followed by M/s OCEAO-ENVIRO Management Solutions (India) Pvt. Ltd. in conducting the EIA study according to the applicable regulatory framework. The main stages followed are described below:

A. Stage-I

• Study of project design layouts to understand the project design and macro environmental aspects.

B. Stage-II

• Site visit and initial review of the project site to have the overall idea of the physical environment around the project site.

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 1

- The major issues needed to be addressed with due care were identified and monitoring plan for the environmental baseline was prepared;
- Baseline environmental assessment was conducted within the study area of 10 km radius around the project site;
- Survey study was carried out in the study area to assess the status of flora & fauna and socio-economic profile of the study area
- Secondary information was also collected through secondary sources like Department of Census, Local and City Offices, National Institutions (Survey of India, National Information Centre etc.), District Head Quarters and other Government Offices etc. as well relevant Published Literatures.
- Identification of environmental monitoring locations and monitoring/ sampling of environmental parameters
- Collection, collation and analysis of regional and local environmental status for various environmental attributes (like topography, geology, ambient air quality, meteorology, water quality, noise level, soil characteristics and land use, transport, settlement status and socio-economic aspects etc.).

C. Stage-III

• Compilation of environmental baseline data of the study area generated through primary field survey, monitoring of environmental parameters and secondary data collected from literature review, research institutions and Govt. departments.

D. Stage-IV

• Assessment of Environmental Impacts by predicting the scale and extent of changes associated with the project and their subsequent effects on environment against the baseline environmental condition, and evaluating the significance of such impacts against accepted criteria.

E. Stage-V

- Preparation of measures to mitigate significant impacts (evaluated from the impact prediction process) by proposing applicable alternatives and control measures.
- Finally, development of appropriate Environmental Management and Monitoring Plan to ensure that suitable mitigation measures are proposed to minimize the environmental impact both during construction and operation stage of the project.

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 1

1.10 Categorization of the Project & Environmental Clearance Process

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 202 and EIA Notification 14th September, 2006 and its amendment thereof our project falls in Metallurgy industries (ferrous and non-ferrous) listed in Category 3(a), having total production capacity (Existing + Expansion) CRCA sheets-2100 MT/Day and ERW Steel Pipe- 95 MT/Day. The project will be appraised by the State Expert Appraisal Committee on the basis of Environmental Impact Assessment (EIA) report and incorporations of points of standard and additional Terms of Reference (ToR) obtained from SEIAA, Haryana.

1.11 Legal Framework and Statutory Requirements

The Ministry of Environment and Forests (MoEF&CC) is the main regulatory body in the country which formulates all the environmental legislation, notification and guidelines. The relevant Acts & Rules applicable to the project are as given below:

- Water (Prevention & Control of Pollution) Act, 1974,
- Air Pollution (Prevention & Control of Pollution) Act, 1981,
- Environmental (Protection) Act, 1986
- Environmental (Protection) Amendment Rules, 2018
- Noise Pollution (Regulation and Control) Rules, 2000
- Solid Waste Management Rules 2016 and its Amendments thereof.

• Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and Amendment 2019

- E-Waste (Management and Handling) Rules, 2016 and Amendment 2018
- Battery Waste Management Rules, 2001 and Amendment 2016
- Construction & Demolition Waste Management Rules, 2016
- Plastic Waste Management Rules, 2016 and Amendments thereof.
- Indian Forest Act 1927
- The Forest (Conservation) Act 1980 and as amended 1988

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 1

- The Forest (Conservation) Rules, 2003
- The Wildlife (Protection) Act, 1972 and as amended 2002.
- Punjab Land Preservation Act, 1900 (Area under Section 4 & 5 of PLPA)
- EIA Notification, 2006 and its Amendments thereof.
- Biomedical Waste Management Rules, 2016

• MHA order 40-3/2020-DM-I (A) dated 15th April 2020 regarding construction activities with COVID guidelines.

1.12 Post Environmental Clearance Monitoring

On award of the environmental clearance to a project, as per the EIA Notification, 2006 and its amendments thereof, it is mandatory for the project proponent to comply with conditions mentioned in the Environmental Clearance Order and submit six-monthly compliance report in respect of the stipulated prior environmental clearance terms & condition on 1st June & 1st December of each calendar year. The project proponent is also required to carry out the environmental monitoring as per the Environmental Monitoring and Management Plan.

1.13 Transferability of Environmental Clearance

A environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor or the transferee with a written "no objection" by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the environmental clearance was initially granted, and for the same validity period.

1.14 Structure of Environment Impact Assessment Report

The environmental impact assessment study has been carried out to assess the impact of project on various environmental components. The methodologies and findings of the study are detailed in the EIA Report along with other relevant information under the different chapter headings as under:

Chapter 1: Introduction

Provides background information about the project and the project proponent along with the legal environmental requirements applicable to the project. The scope and EIA methodology adopted in preparation of EIA report have also been described in this chapter.

Chapter 2: Project Description

Briefly discusses the project features while elaborating on components bearing environmental

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 1

consequences.

Chapter 3: Description of the Environment

Discusses the environmental aspects of the project based on primary and secondary data collection. Socio Economic Studies and Description of Ecological Biodiversity in the core zone and buffer zone of 10 km radius from the project site.

Chapter 4: Anticipated Environmental Impacts & Mitigation Measures

Predicts the environmental impacts of the various components of the project during construction and operation phases to highlight concern areas requiring mitigation measures. Accordingly, it also suggests controls and mitigation measures to off-set/minimize the adverse impact while optimizing the positive benefits from the project.

Chapter 5: Analysis of Alternatives

Discusses the assessment of various options that may be available for different components of the project in terms of environmental sustainability. Lately, there are a number of options available for the use of building materials, means of energy conservation and methods of transportation. The various applicable options are thus evaluated for their suitability to project and environment.

Chapter 6: Environmental Monitoring Programme

Outlines the monitoring programme for environmental components during construction and operation phase to evaluate the environmental status of project area.

Chapter 7: Additional Studies

This chapter broadly looks at various aspects related to Traffic Impact Assessment, Disaster management and natural resource conservation.

Chapter 8: Project Benefits

Brings out the positive impacts from the project.

Chapter 9: Environmental Cost Benefit Analysis

The net present value, Internal rate of return, Benefit cost ratio and Cost effectiveness analysis will be determined.

Chapter 10: Environmental Management Plan

Organizes the suggested mitigation measures to aid implementation through formulation of performance indicators, reporting structure and pronounced implementation periods.

Chapter 11: Summary & Conclusion

M/s Prompt Enterprises Pvt. Ltd.

_1

Draft EIA Report - Chapter 1

Summarizes the important report findings and concludes on the environmental sustainability of the project.

Chapter 12: Disclosure of Consultants Engaged

Gives the names of the technical team involved in the report preparation along with Accreditation of the consultant from the quality council of India.

Standard & Additional Terms of Reference

This describes the reply for the points raised in TOR.

This present report is prepared based on scientific principles and professional judgment with resultant subjective interpretation. Professional judgments expressed herein are based on the available data and information collected from primary and secondary sources.

Draft EIA Report - Chapter 2

<u>CHAPTER -2</u> PROJECT DESCRIPTION

2.1 Type of Project

The project is a manufacturing of CRCA sheets and ERW Steel Pipes. There are no induction furnaces for manufacture of liquid steel. These items are produced by cold rolling of HR coils at high pressure. The project/activity under consideration is classified in activity 3(a) Metallurgical Industries (Ferrous and nonferrous). It is in nontoxic secondary metallurgical processing industries category. The capacity of proposed project is CRCA Sheets: 2100 MT/Day ERW Steel Pipe: 95 MT/Day (Existing + Expansion), since the capacity is more than 5000 TPA it falls under category B-1, as per the EIA notification 14th September 2006 and its amendment thereof. The project procured the raw material HRCA Sheets from Tata Steel Ltd.

The total existing plot area of the project is 42443 sqm and expansion area is 60879.288 sqm thus total project area existing plus expansion is 103322.288 sqm.

2.2 Chronological History of the project

Chronological history of the project is shown below in the Table 2.1.

| S. No. | Particulates | Department | Date | Remarks |
|--------|--|---|------------|---------------------------------------|
| 1. | LOI for regularization of existing industrial Unit | Office of the Senior Town Planner, Faridabad | 11.12.2014 | Memo No 6298 |
| 2. | Regularization of Existing Industrial Unit/Approval of Site Plan/CLU | Office of the Senior Town Planner, Faridabad | 16.12.2014 | STP (F) Regularization/2014/6344 |
| 3. | Approval of Building Plan (Existing Unit) | DTCP Haryana | 05.09.2016 | Memo No PL-1363/AD (RA)/2016/18818 |
| 4. | Occupation Certificate | DTCP Haryana | 13.07.2017 | Memo No PL-1363/SD (DK)/2017/16555 |

Table 2.1 Chronological History of the Project

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 2

| 5. | Сто | HSPCB | 02.08.2021 valid up to 30/09/2023 | No. HSPCB/Consent/: |
|----|---|-----------------|---|--|
| 6, | Change of Landuse permission/CLU of expansion Unit | DTCP Haryana | 20.05.2022 | |
| 7. | Grant of Authorization under Hazardous and Other Wastes(Management & Transboundary Movement) Rules, 2016 | НЅРСВ | 13.08.2022 | |
| 8. | Existing Petroleum Class B Installation License renewal | PESO | 14/12/2022 | License No: P/NC/HN/15/1870 (P394505) |

2.3 Salient Features of the project

M/s Prompt Enterprises Pvt Ltd have proposed an expansion of CRCA sheets and Steel Pipes manufacturing facilities located at Village Dhatir & Dudhola, Palwal, Haryana. The existing production capacity is CRCA sheets: 600 MT/Day ERW Steel Pipe: 95 MT/Day and the proposed expansion production capacity is CRCA sheets: 1500 MT/Day ERW Steel Pipe: 00 MT/Day. The total production capacity existing plus expansion is CRCA Sheets: 2100 MT/Day ERW Steel Pipe: 95 MT/Day ERW Steel Pipe: 95 MT/Day. The detailed salient features of the project is given in **Table 2.2**.

| No. | Particulars | Existing Unit | Proposed Expansion Unit | Total |
|------------------|---------------------|-------------------------------|----------------------------|-----------------|
| | | CRCA sheets: | CRCA sheets: | CRCA Sheets: |
| 1 Production caj | Production capacity | 600 MT/Day ERW Steel Pipe: | 1500 MT/Day | 2100 MT/Day |
| | | 95 MT/Day | ERW Steel Pipe: Nil | ERW Steel Pipe: |
| 2 | Area (sqm) | 42443 sqm | 60879.288 sqm | 95 MT/Day |
| | No of Permanent | 100 | | 103322.288 sqm |
| | Workers | | 150 | 250 |
| | No of Temporary | 300 | 350 | 650 |

Table 2.2 Salient Features of the project

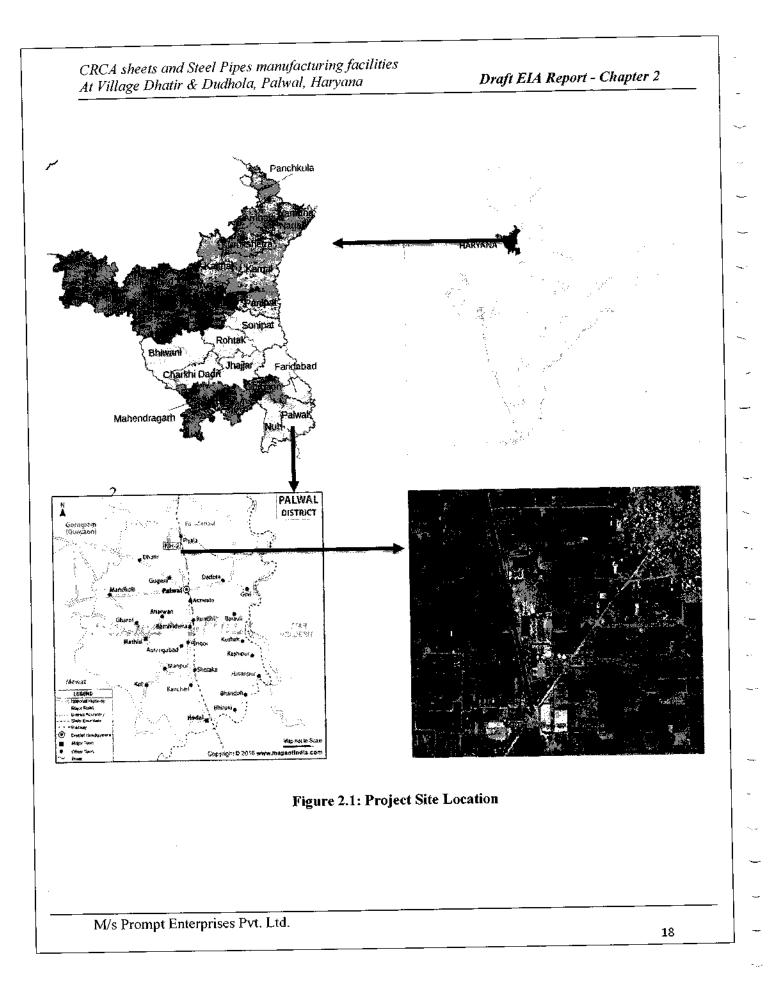
| | Workers | | 1700 MT/Davi | 2400 MT/Day |
|----------|---------------------|---|----------------------------|------------------------|
| 5 | Raw material | 700 MT/Day HRCA Sheets | 1700 MT/Day HRCA Sheets | HRCA Sheets |
| | | 4 KLD for (Domestic | 23.675 KLD for | 27.675 says 28 KLI |
| | m . I Water | usage) | (Domestic usage) | (Domestic usage) |
| 6 | Total Water | 65 KLD | 398 K.L.D | 463 KLD |
| | Demand | (Plant operation) | (Plant operation) | (Plant operation) |
| | | | | 24.03 KLD say 24 |
| | | 3 KLD | 21 KLD | KLD |
| | Wastewater | (Domestic Effluent) | (Domestic Effluent) | (Domestic Effluen |
| 7 | Generated | 50 VID | 318 KLD | 370 KLD |
| | General Contraction | 52 KLD | (Industrial Effluent) | (Industrial Effluer |
| | | (Industrial Effluent) | | |
| <u>├</u> | ETP capacity | | 230 KLD | TO VI D |
| | (>20 % higher from | 220 KLD | | 450 KLD |
| 8 | total waste water | | | |
| | generated) | | | |
| | STP capacity | | | |
| | (>25 % higher from | | generated= 24 KLD | 30 KLD |
| 9 | total waste water | STP capa | STP capacity= 30 KLD | |
| | generated) | | | 11.7 MW |
| 10 | D | 4.2 MW | 7.5 MW | |
| | | 3 RWH | Storage Tanks | 318 ECS |
| 1 | | 3 | 18 ECS | |
| | | 450 MMBTu /Day | 550 MMBTu/Da | y 1000 MMBTu |
| | | | plot boundary, location | of various blocks, roa |
| | 1 Levetion | an of the project snowing of Gas Gen Sets, Sewage and some other features | : Heatmont I have - | |

2.4 Project Location

The project is located at the Village Dhatir & Dudhola, District Palwal, Haryana. Geographical coordinates of the project is mentioned in the **Table 2.3**. The project location with respect to country and state of Haryana is shown in **Figure 2.1** and the project location earmarked on 500 meter buffer on google earth image is shown in the **Figure 2.2**.

| Pillar No. | Latitude | Longitude | Pillar No. | Latitude | Longitude |
|---------------|----------------|-----------------------|---------------|----------------|----------------|
| A | 28°12'4.99"N | 77°15'43.44"E | J | 28°12'17.94"N | 77°15'43.09"E |
| В | 28°12'4.89"N | 77°15'38.74"E | K | 28°12'14.66"N | 77°15'43.11"È |
| С | 28°12'6.51"N | 77°15'38.06"E | L | 28°12'14.69"N | 77°15'46.48"E |
| D | 28°12'17.72''N | 77°15'34.21"E | M | 28°12'13.07"N | 77°15'46.48"E |
| E | 28°12'21.27''N | 77°15'34.32"E | N | 28°12'13.06"N | 77°15'46.03"E |
| F | 28°12'21.21"N | 77°15'40.15"E | 0 | 28°12'11.44''N | 77°15'46.03"E |
| G | 28°12'19.19''N | 77°15'40.16"E | Р | 28°12'11.42''N | 77°15'43.07"E |
| H | 28°12'19.21''N | 7 7°15'41.79"E | Q | 28°12'9.95''N | 77°15'43.04"E |
| ī | 28°12'17.95"N | 77°15'41.80"E | R | 28°12'6.59"N | 77°15'45.28''E |

Table 2.3: Geo-coordinates of the project site



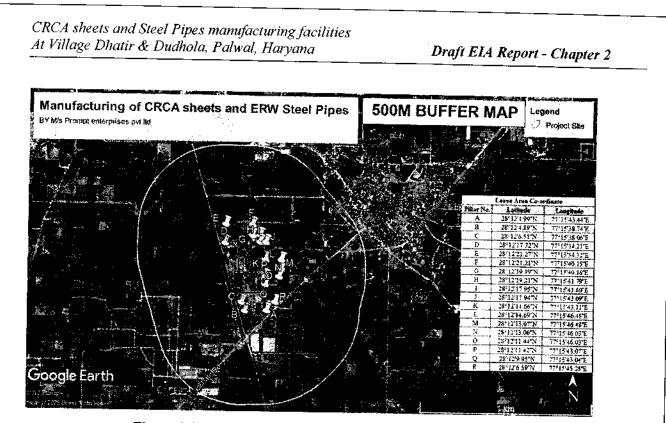


Figure 2.2: Google Earth Image of the Project site

2.5 Surrounding Features

The project is well connected by Prithla- Dhatir Road which is adjacent to project site which in turns directly connected to the NH-919 Highway. The Ecological Sensitive area within 15km radial distance from project periphery is given in **Table 2.4**. The buffer map on Google Earth Image of 500 m, 2 Km, 5 Km, 10 Km and buffer map of 15 km on Toposheet is shown in **Figure 2.3**, **2.4**, **2.5**, **2.6 and 2.7** respectively and also attached as *Annexure VI (a) - (e)* respectively. The project falls on Survey of India Toposheet no H43X8.

Table 2.4 Project site connectivity

| S. No | Particulates | Name of Places | Distance (Km) | Direction |
|-------|-------------------------|--|---------------|-----------|
| 1. | Nearest Airport | Indira Gandhi International Airport | 39.5 | NNW |
| 2. | Nearest Railway Station | Asaoti - Railway station, Haryana | 8.0 | NE |
| | | Palwal - Railway station, | 9.5 | SE |

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 2

| - T | | Haryana | | |
|-----|--|--|--------------------------------|---------------|
| 3. | Nearest Bus Stand | Palwal Bus Stand | 9.1 | SE |
| 4. | Nearest State Highway/Any other road | Prithla- Dhatir Road | 0.01 | SE |
| 5. | Nearest National Highway | NH- 919 | 1.8 | SW |
| | | B.M. Modal School, Dudhola, Palwal, Haryana | 0.6 | NE |
| 6. | Nearest School/College | SLD College, Prithla - Sehrala Rd, Chhaprola, Haryana | 4.6 | N |
| | | Hanuman Mandir | 1.4 | SSW |
| 7. | Nearest Temple/Mosque | Jama Masjid Softa | 6.7 | N |
| 8. | Nearest Hospital | Om Premia Hospital, Delhi- Mathura Road | 7.1 | ESE |
| 9. | Nearest Police Station | Police Chawki, Palwal, Haryana | 3.6 | w |
| 10. | Nearest Fire Station | Haryana Fire and Emergency Services - Fire station, Faridabad | 13.6 | NNE |
| 11. | State Border | No State border is present proj | within 15 km of b ject site | ouffer area o |
| 12. | International Border | No International border is present within 15 km of buf area of project site | | km of buff |
| 13. | Nearest Town, City, District Headquarters | Palwal | 7.1 | SE |
| | | Pond near project site | 0.5 | NE |
| 14. | Nearest Pond | Pond near project site | 0.66 | NE |
| | | Pond, Dhatir, Haryana | 1.5 | SW |
| 15. | Nearest River/Nallah/ Canal | Canal, Sikandar Pur, | 0.01 | WSV |

M/s Prompt Enterprises Pvt. Ltd.

20

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

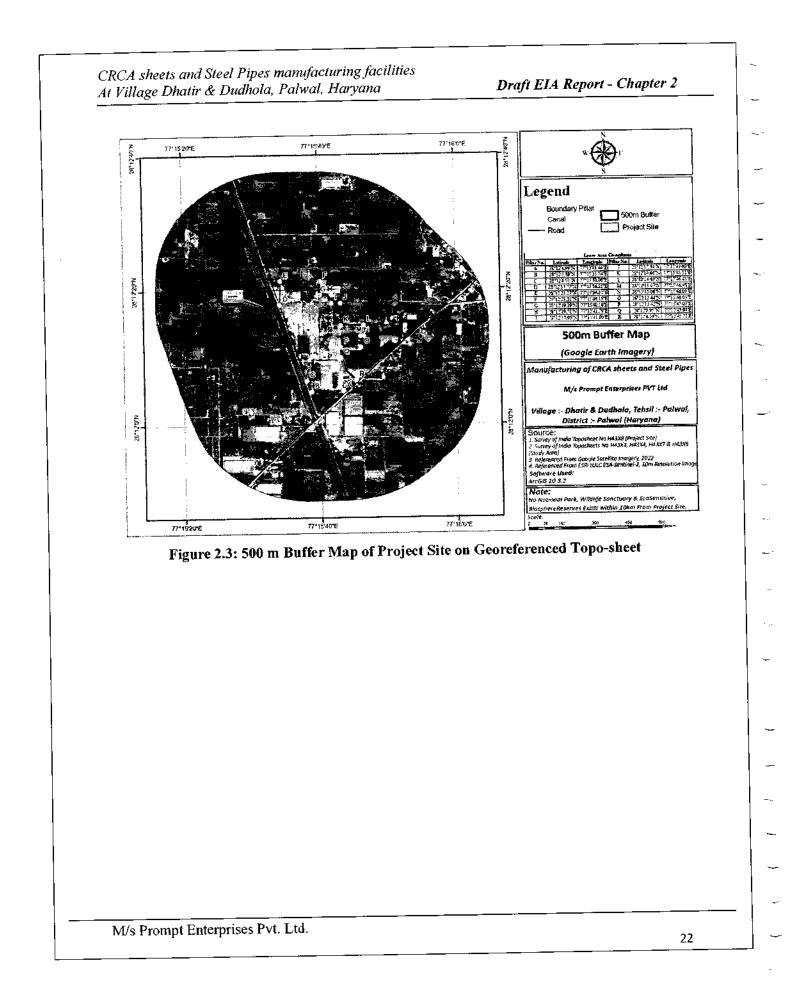
, ÷.

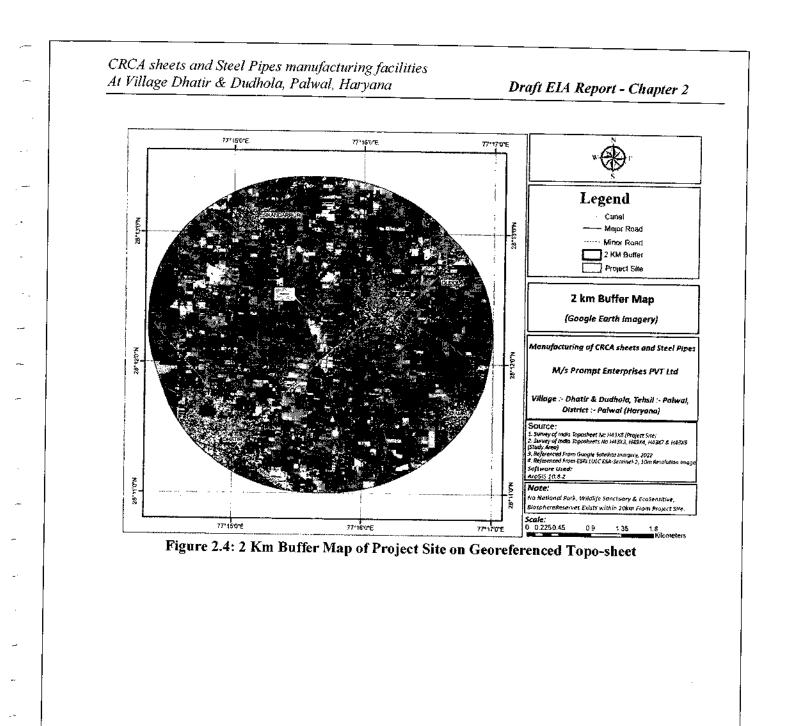
_

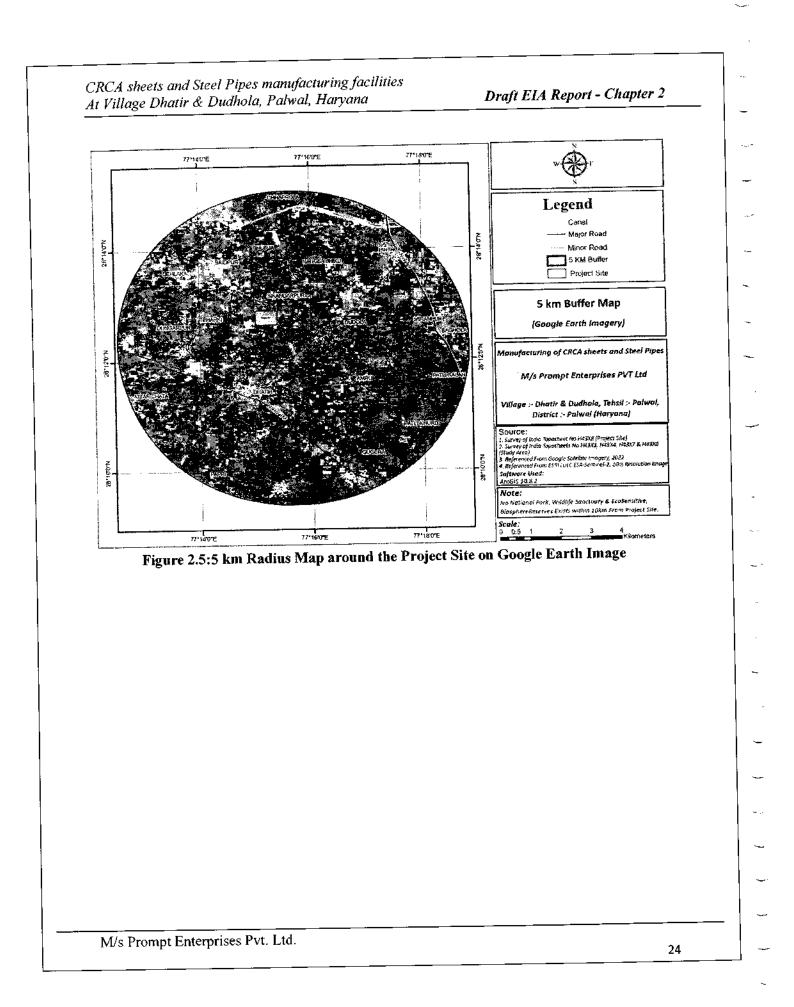
-

Draft EIA Report - Chapter 2

| | | Haryana | · | |
|-----|--|--|------|--------------|
| 16. | Wild Life Sanctuary | No wild Life sanctuary is loca area of pro | | km of buffer |
| 17. | Reserved Forest | No wild Life sanctuary is loca area of pro | | km of buffer |
| 18. | Protected Forest (Source :- SOI Toposheet) | Palwal P F | 11.4 | SE |
| 19. | Wetland | No Wetland is located within 15 km of buffer area of project site | | |
| 20. | Nearest Defence Installation | No Defence Installation is loca area of pro | | km of buffer |
| 21. | Village Panchayats, Zila Parishad, Municipal Corporation, Local Body | Municipal Corporation Office, Nathu Colony, Ballabhgarh Faridabad, Haryana 121001 | 15.7 | NNE |
| 22. | Historical Importance Place | No Historical Importance Place buffer area of p | | hin 15 km of |







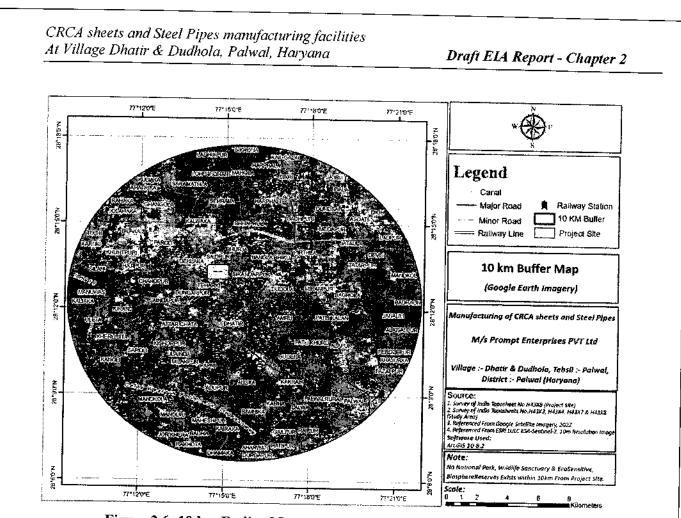


Figure 2.6: 10 km Radius Map around the Project Site on Google Earth Image

M/s Prompt Enterprises Pvt. Ltd.

. + .

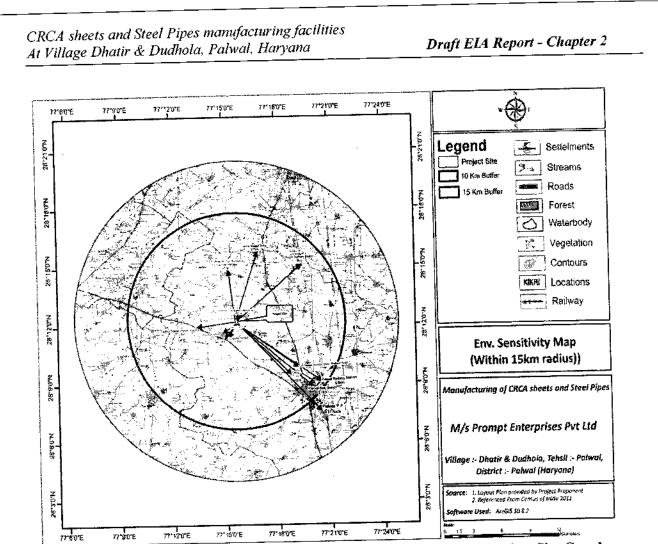


Figure 2.7: 15 km Radius (Environment Sensitivity) Map around the Project Site Google Earth Image

2.5.1 List of nearby Industries:

A list of major industries with their product name and distance from project site within study area (10 km radius) is shown in the **Table 2.5** and the location of the industries is depicted in the study area map shown as **Figure 2.8** and same is attached as *Annexure VII*. Gadpuri unit of Prompt Enterprises Pvt Ltd is located approx. 5.52 km in the NNE direction. Apart from that other industries located nearby are: J D Sons Steels Pvt Ltd, Shree Balajitech India. GNU Steel Casting Pvt Ltd, GNU Steel Casting Pvt Ltd, Maestro International, Ferron Tubes Pvt Ltd, S G INDUSTRIES etc.

۰.

Draft ELA Report - Chapter 2

| Table 2.5: List of Major Industries in the Study area |
|---|
|---|

| S. No | Name of Industry | Distance from Project Site | Direction |
|-------|--|----------------------------------|-----------|
| 1. | Prompt Enterprises Pvt Ltd (Prompt Steel Gadpuri) | 5.52 | NNE |
| 2. | J D Sons Steels Pvt Ltd | 1.83 | ENE |
| 3. | Shree balajitech India | 0.72 | N |
| 4. | GNU Steel Casting Pvt Ltd | 3.30 | ENE |
| 5. | M M Castings Pvt Ltd | 3.17 | ENE |
| 6. | Fast Traders | 4.31 | ENE |
| 7. | Maestro International | 5.414 | ENE |
| 8. | Ferron Tubes Pvt Ltd | 5.45 | ENE |
| 9. | S G INDUSTRIES | 0.52 | N |
| 10. | ECO PLAST INDUSTRY | 3.89 | ENE |
| 11. | Mahabir Plastic Industries - Unit 2 | 4.67 | ENE |
| 12 | G.B. Industry | 5.5 | ENE |

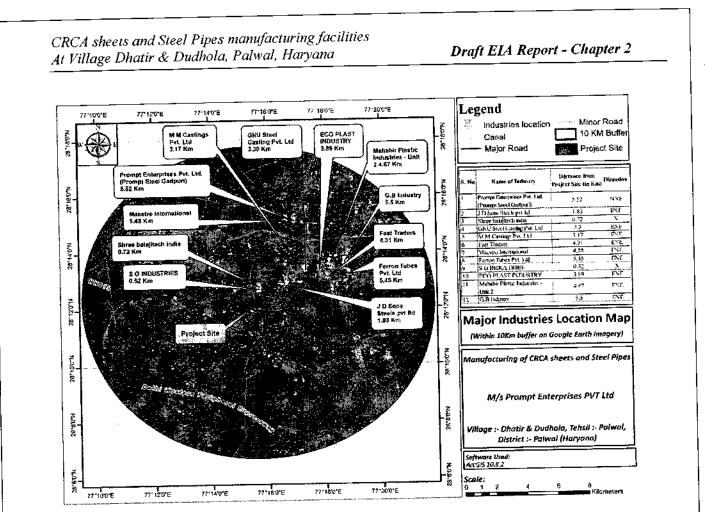


Figure 2.8: Location of the industries is depicted in the study area map

2.6 Project Description

2.6.1 Area Details

The details of Area statement is shown in the Table 2.6.

Table 2.6: Land Utilization Statement

| S. No. | Area Statement | Area (sqm) |
|--------|--|------------|
| 1 | Total Plot Area | 103322.288 |
| (a) | Existing Plot Area | 42443 |
| (b) | Proposed Additional granted CLU area | 60879.288 |
| 2 | Permissible Covered area on Ground Floor 60% | 61993.372 |
| 3 | Provided Covered Area on the GF (54.158%) | 55957.424 |

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 2

| (a) | Existing Covered area on GF | 7689.91 |
|-----|-----------------------------|-----------|
| (b) | Proposed Covered area on GF | 48267.514 |
| 4 | Permissible FAR 125 % | 129152.86 |
| 5 | Achieved FAR (62.023%) | 64283.955 |
| 6 | Non FAR | 114.447 |
| 7 | Built-up Area | 64398.432 |
| 8 | Green area (10%) | 10332.23 |
| 9 | Open Parking Area | 7330.975 |
| 10 | Amenities Area | 2000 |
| 10 | Open Area | 27701.659 |

2.6.2 Size or Magnitude of Operation

The existing unit and its expansion will be carried out in an area of 1, 03,322.288 sqm. For existing Unit 42,443 sqm has been utilized. For proposed expansion additional 60,879.288 sqm land has been acquired. The production capacity of project is mentioned below in the **Table 2.7**.

Table 2.7 Production capacity of project

| s. | | Quantity | | Total | · · · · · · · · · · · · · · · · · · · | |
|-----|-------------|------------------|-----------------------|-------------------------------|---------------------------------------|--|
| No. | Product | Existing Unit | Proposed Expansion | Production after expansion | Unit | |
| 1 | CRCA Sheets | 600 | 1500 | 2100 | Metric Tonnes/Day | |
| 2 | Steel Pipes | 95 | - | 95 | Metric Tonnes/Day | |

2.6.3 Associated Units/Facilities -The associated major utilities and services which are available for proper functioning of the Project are:

- 3 Cooling Tower (2 x 1000TR, 1 x 1000TR)
- DM Plant [30m³/hr]
- Softener Plant [20 m³/hr]
- 3 Gas Gen sets [total capacity 3 X 2500 kw]
- Liquid / gas Fuel Storage [HSD 30 KL] ·

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 2

- Inhouse Quality Control Laboratory
- 14 Air Compressor (capacity: 22 kw-160 kw)
- Chiller 2x 150 TR
- Wastewater treatment and recycling equipment [ZLD System]
- Liquid and Gas Fuel Storage (shown in the Table 2.8)

| S. No. | Fuel Type | Storage capacity | Туре |
|-----------|----------------|------------------------------------|----------------------------|
| 1 | Diesel | 30 KL | Under Ground |
| 2 | LPG | 422 kg X8 Nos per Day | Over Ground |
| 3 | PNG | - | Suppling through Pipe Line |
| 4 | N2 | 10 KL | Over Ground |
| 5 | H ₂ | 6 m ³ X 172 Nos per Day | Over Ground |

Table 2.8 Onsite Fuel/Gas Storage details

The Project is having 2 PNG based boilers [capacity 5TPH and 3TPH] provided with stacks of adequate height.

2.6.4 Manpower requirement

The manpower requirement of the project is approx. 250 permanent worker and 650 Temporary worker under contractual basis in both existing and expansion unit. The breakup of manpower is shown in the **Table 2.9**.

| S. No | Particulars | Existing Unit | Proposed expansion Unit | Total |
|-------|----------------------------|---------------|----------------------------|-------|
| A | No of Permanent Workers | 100 | 150 | 250 |
| В | No of Temporary Workers | 300 | 350 | 650 |

Table 2.9 Manpower of the project

M/s Prompt Enterprises Pvt. Ltd.

2.6.5 Technology & Process Description

2.6.5.1. Process Technology

The Prompt Enterprises Pvt Ltd, Cold Rolling Division is equipped with all state-of-art facilities like 6 HI Single Stand Reversing cold rolling mill with IMR Shifting, Mill Tilting and Shape meter advantages for higher degree of Shape & profile correction. The cold rolled Annealing & Pickling line is on environment friendly PNG fuel with better and fastest temperature control associated with Acid Pickling with very high control of pickling process. The online Skin Pass and Tension Levelling has made the process capable of producing finished CRCA product at par with superior quality. The off line surface inspection system also provides a very high resolution surface quality. There is provision of offline Skin Pass Mills which helps to cater high luster requirements.

In the Existing Unit, the Cold Rolling Division (CRD) produces Cold Rolled Strips (CRCA), and Steel Pipes. CRCA means Cold rolled close annealed, in this process metal is rolled at temperature below recrystallization level. Cold roll are much harder and have smoother finish than hot rolled metal.

2.6.5.2. Process Description

The process of CRCA sheets and ERW Steel pipe manufacturing is described as flow chart in the **Figure 2.9**. The Major steps involved in the process are:

Cold Rolling process: The cold rolling is the process of strengthening steel and reducing its thickness by changing its shape without using heat. The Hot Rolled Coils are used as raw material for the manufacturing of cold rolled CRCA sheets in this Project. The Complete process involves following steps: Pickling, Cold rolling, annealing, Slitting, CTL (Cut to length), Packing, Weighing, Shipment

Pickling: Steel pickling refers to a treatment that is used to remove impurities, rust, and scale from the surface of a material. During hot working processes, an oxide layer (referred to as "scale", due to the scaly nature of its appearance) develops on the surface of the metal. To restore the best corrosion resistant performance, the damaged metal layer must be removed, exposing a fully alloyed stainless steel surface. In order to remove this oxide layer, the raw material i.e. hot rolled low carbon steel coil is send to Push Pull Pickling Line where it is dipped into high strength pickle

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 2

liquor i.e. hydrochloric acid followed by low strength pickle liquor and final washing with water is carried out.

Cold Rolling: After pickling hot rolled pickled steel coils having strip thickness 1.2-5.0 mm are sent to the Coil Preparation line (Rolling) where coils are passed into 4 HI Single Stand Reversing cold rolling mill to maintain the desired strip thickness (0.15 mm- 3.0 mm).

Annealing: Next, cold-rolled sheets are softened by annealing in a furnace. Annealing is the process of relieving the internal stresses in the steel that was built up during the cold rolling process. In this process, the cold-rolled steel is heated in presence of hydrogen gas in a bell shaped annealing tower at temperature above its recrystallization temperature (620 to 650 °C), at 35 to 40 mbar pressure for 14 hours. The process makes the surface of coils smoother. The smoother the surface finish is, the higher resistance to corrosion it will exhibit.

Slitting: Slitting of CRPA sheets is the process where CRPA sheets cutting is carried out with circular knives, which is used to split wide coiled sheet metal into narrower widths or for edge trimming of rolled sheet.

CTL (for CRCA sheets production): After Slitting sheets are directly cut into desired length as end product.

Tube Mill (for Steel Pipe Production): Tube mills produce pipe and tube by taking a continuous strip of material and continuously roll forms it until the edges of the strip meet together at a weld station.

A dedicated facility for manufacture of very thin gauge, narrow precision strips with very high flatness, close tolerances and excellent surface finish exists to produce cold rolled products in the wide range of 0.15 to 3 mm thickness.

Final products: Final products i.e. CRCA sheets and Steel pipes etc. are sent to consumers which includes construction industry, automobile plants, railways, airports, Metro Rails, Household Appliance Manufacturers, and several other government and nongovernment projects.

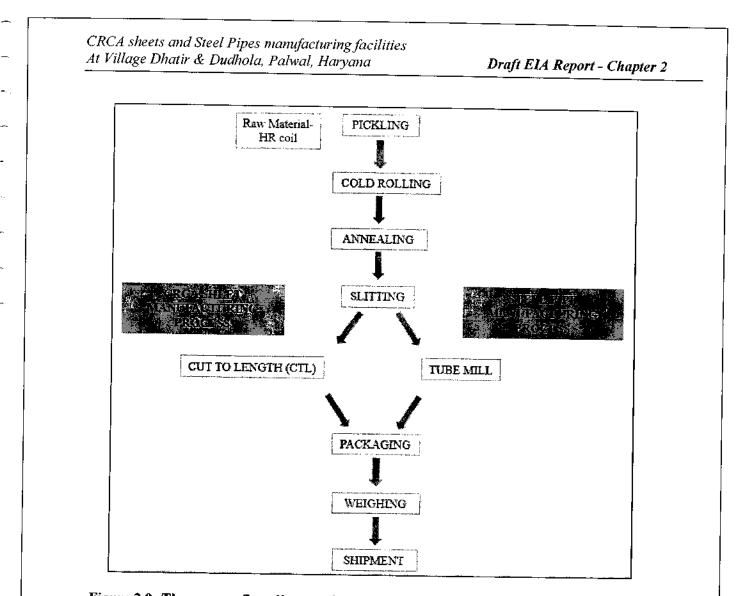


Figure 2.9: The process flow diagram for manufacturing of CRCA sheets and ERW Pipe

2.6.5.3 Section wise process details

CRCA Sheets manufacturing division:

COLD ROLLING DIVISION SECTION-1: HRPA LINES

| Process Name | Pickling & Annealing of Hot Rolled Coils |
|------------------|--|
| Process Sequence | HR Coil Dickling DAnnealing DHRPA Coils |
| Input | Hot Rolled Coils |
| Output | Pickled Annealed Coils |
| Wastes 1 | Used oil & lubricants |

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 2

| Nature | Irrecoverable |
|----------------------|---|
| Disposal | Sold to authorized recycler |
| Wastes 2 | Used empty drums/ Jerry Canes of Acids/drums |
| Nature | Recoverable |
| Disposal | Disposal through authorized recycler |
| Wastes 3 | Misc. Material (Old cloth, Gloves etc.), Filter cloth |
| Nature | Irrecoverable |
| Disposal | Sent to Common HWTSDF |
| Wastes 4 | Packing Waste (wood, etc.) |
| Nature | Irrecoverable |
| Disposal | Sold to vendor |
| Intermediate Waste 1 | Furnace scale |
| Nature | Recoverable |
| Disposal | Sent to recyclers |
| Waste 5 | Neutralized pickling sludge |
| Nature | Recoverable |
| Disposal | Sent to brick making machine |

SECTION-2: Cold Rolling Mills

| Process Name | Rolling of Annealed Coils |
|------------------|---|
| Process Sequence | HRPA Coil DRolling DCRPA Coils |
| Input | Coils (HRPA,CRPA) |
| Output | CRFH (Cold rolled full hard) Coils |
| Waste 1 | Used oil & lubricants |
| Nature | Irrecoverable |
| Disposal | Sold to authorized recycler |
| Waste 2 | Used empty drums |
| Nature | Recoverable |
| Disposal | Disposal through authorized recycler |
| Wastes 3 | Misc. Material (Old cloth, Gloves etc.), Filter cloth |

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

~

- -

-.

Draft EIA Report - Chapter 2

| Nature | Intecoverable |
|----------|----------------------------|
| Disposal | Sent to Common HWTSDF |
| Wastes 4 | Packing Waste (wood, etc.) |
| Nature | Irrecoverable |
| Disposal | Sent for sale |
| Wastes 5 | Used Inter leaving paper |
| Nature | Recoverable |
| Disposal | Sent to recycling |

SECTION-3: AP LINES

| Process Name | Pickling & Annealing of Cold Rolled Coils |
|----------------------|---|
| Process Sequence | CR FH Coil Pickling Annealing CRPA Coils |
| Input | CRFH Coils |
| Output | CRPA Coils |
| Waste 1 | Used oil & lubricants |
| Nature | Irrecoverable |
| Disposal | Sold to authorized recycler |
| Waste 2 | Used empty drums/ Jerry Canes of Acids/drums |
| Nature | Recoverable |
| Disposal | Disposal through authorized recycler |
| Wastes 3 | Mise. Material (old cloth, used gloves etc.), filter cloth |
| Nature | Irrecoverable |
| Disposal | Sent to Common HWTSDF |
| Wastes 4 | Packing Waste (wood Pallets, Plastic Bags, Packaging Material, Corrugated Sheets etc.) |
| Nature | Irrecoverable |
| Disposal | Sent for sale |
| Intermediate Waste 1 | Furnace scale |

M/s Prompt Enterprises Pvt. Ltd.

| | wal, Haryana Draft EIA Report - Chap |
|-------------------------------|---|
| Nature | Recoverable |
| Disposal | Sent to recycler |
| Intermediate Waste 2 | Neutralized pickling sludge |
| Nature | Recoverable |
| Disposal | Sent to SAF in HRD unit for metal recovery |
| SEC | TION-4: CR FINISHING LINES |
| Process Name | SLITTING / TRIMMING/ SHEETING |
| Process Sequence | UNCOILING+SLITTING+SHEARING+COILING |
| Input | HRPA / CRPA COIL |
| Output | HRPA / CRPA Finish COIL |
| Intermediate Waste 1 | MS Scrap |
| Nature | RECOVERABLE |
| Disposal | SEND TO recyclers |
| Wastes 1 | Used Inter leaving paper |
| Nature | Recoverable |
| Disposal | Sent to recycling |
| Wastes 2 | Packing Waste (wood Pallets, Plastic Bags, Packaging Material, Corrugated Sheets etc.) |
| Nature | Irrecoverable |
| Disposal | Sent for sale |
| Steel Pipe manufacturing divi | sion: <u>SECTION-1: HRPA LINES</u> |
| Section | HRPA |
| Process Name | Pickling & Annealing of Hot Rolled Coils |
| Process Sequence | HR Coil DPickling DAnnealing DHRPA Coils |
| Input | Hot Rolled Coils Pickled Annealed Coils |
| | Hot Rolled Coils |

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

.

Draft EIA Report - Chapter 2

| With the state of | |
|---|---|
| Wastes 1 | Used oil & lubricants |
| Nature | Irrecoverable |
| Disposal | Sold to authorized recycler |
| Wastes 2 | Used empty drums/ Jerry Canes of Acids/drums |
| Nature | Recoverable |
| Disposal | Disposal through authorized recycler |
| Wastes 3 | Misc. Material (Old cloth, Gloves etc.), Filter cloth |
| Nature | Irrecoverable |
| Disposal | Sent to Common HWTSDF |
| Wastes 4 | Packing Waste (wood, etc.) |
| Nature | Irrecoverable |
| Disposal | Sold to vendor |
| Intermediate Waste 1 | Furnace scale |
| Nature | Recoverable |
| Disposal | Sent to recycler |
| Waste 5 | Neutralized pickling sludge |
| Nature | Recoverable |
| Disposal | Sent to brick manufacturing machine |

SECTION-2: Slitting LINES

| Section | SPD(Slitting) |
|----------------------|---|
| Process Sequence | Material received CRD/ Mill Coils loaded on slitting line slitting process as per SOP slitted Coils unloaded from line slitted coil store in slitted shed |
| Input | Untrimmed coil |
| Output | Trimmed coil |
| Intermediate Waste 1 | Trimming scrap |
| Nature | Recoverable |
| Disposal | Scrap bin, send to recyclers |
| Waste 1 | Used consumables |
| Nature | Irrecoverable |

M/s Prompt Enterprises Pvt. Ltd.

| [| Disposal | Sale | |
|-------|------------------------|--|-----------------------|
| | | | |
| | Section | Tube Mill | |
| • | Process Sequence | Material received from Slitting process □sheets loaded on Tube Mill□ rolling and shaping of sheets for pipe production as per desired size and shape | |
| | Input | Slitted sheets | |
| | Output | Steel pipe | |
| | Waste 1 | Used oil | |
| | Nature | irrecoverable | |
| | Disposal | Sent to recycling | |
| | Section | SPD (Packing & Dispatch) | |
| | | SPD (Packing & Dispatch Section | |
| | Process Sequence | Material received from tube mill division ⊔packing process as per SOP ⊔ Dispatch process as per SOP □ Finish material stock in dispatch shed | |
| | Input Output | Finish steel pipe Packed finish steel pipe | |
| | Waste 1 | Used consumables | |
| | Nature | | |
| | Disposal | Sale | |
| | Wastes 2 | Used Inter leaving paper | |
| | Nature | Recoverable | |
| | Disposal | Sent to recycling | |
| Raw n | are procured from Tata | nent I required is Hot rolled low carbon steel coils. Hot Rolled a Steel Ltd. Required quantity of raw material is mention | Coils of ed in the |

Draft EIA Report - Chapter 2

Table 2.10 Estimated Quantity of Raw material required

| Sr. No. | Product | Quantity (Existing Unit) | Quantity (Proposed Expansion Unit) | Total required expansion | Quantity after |
|---------|------------------------------|-----------------------------|--|--------------------------------|-------------------|
| 1 | Hot Rolled Coils of Steel | 700 MT/Day | 1700 MT/Day | 2400 MT/Da | y |

Other required raw materials are different acids, fuels, rolling oil, packaging wood etc. These materials are procured from domestic market. Approximate annual handling of raw materials is shown in the **Table 2.11**. All raw materials are brought by road using multi axel trucks.

Table 2.11: Consolidated Raw Material Requirement and Source

| S. No. | Name | Quantity | Source | Transportation |
|-----------|---------------------|------------|-----------------|----------------|
| 1 | Hot Rolled Coils | 750000 TPA | From Tata Steel | By Road |
| _ 2 _ | Hydro Chloric Acid | 25 Ton | Domestic | By Road |
| 3 | Rust preventing Oil | 350 LPD | Domestic | By Road |
| 4 | Rolling Coolant | 600 LPD | Domestic | By Road |

2.8 Water Requirement and Source

Water requirement by Staff and its management

Total fresh water requirement for domestic purpose is 18.23 KLD for Staff consumption. The source of water is bore well. Total fresh water requirement for workers is 18.23 KLD (In the Existing Unit =4 KLD + Expansion Unit =14.225 KLD). Water demand & summary of waste water generation by domestic usage is shown in the **Table 2.12 & 2.13**, respectively.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 2

| Table 2.12 Water demand fo | <u>or Domestic Usage</u> |
|----------------------------|--------------------------|
|----------------------------|--------------------------|

| S. No. | Particulars | Occupancy/ Area/ No's | Fresh Water Demand Quantity (KLD) | | d Water nand (KLD) |
|-------------------------------|--------------------------|--------------------------|--------------------------------------|----------|--------------------------|
| 1 | Existing Unit | _ | 4 | | - |
| 2 | Staff (proposed Unit) | - | 14 | | 9 |
| 3 | Visitors (Proposed Unit) | - | 0.225 | 0 |).45 |
| 4 | Landscape | 10332.23 sqm | - | 11/sqm | 10.33 |
| Total Water Requirement 18.23 | | | 18.23 | - | 19.78 |
| Total Water Requirement | | | | 38.01~38 | |

Table 2.13 Summary of wastewater generation by domestic Usage

| S. No. | Particulars | In KLD |
|--------|---|--------|
| 1 | Total Water Requirement | 38 |
| 2 | Wastewater Generated by staff (80% of Fresh water + 100% treated water) | 24 |
| 5 | STP Capacity (>25% higher than the wastewater generated) | 30 |

After treatment the treated water is used for flushing and horticulture.

Water requirement by plant operation and its management

Water demand in the both unit (Existing + Expansion Unit) operation: Total water demand for the both unit (Existing + Expansion Unit) operation is 463 KLD. Fresh water requirement is 149 KLD & treated water requirement is 314 KLD for the both unit (Existing + Expansion Unit) operation. Ground water is the source of Fresh water. Water requirement from different process during Plant operation is summarized below in the Table 2.14.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 2

| S. | Process | Water type | Water | Water | Total |
|----|----------------------------|------------|-------------|-------------|---------|
| No | | | Requirement | Requirement | Water |
| | | | Existing | Proposed | Demand |
| 1 | Skin Pass Mill | DM Water | 3 KLD | 20 KLD | 23 KLD |
| 2 | New Pickling Station | DM Water | 2 KLD | 17 KLD | 19 KLD |
| 3 | Old Cold Rolling Mill | DM Water | 9 KLD | 55 KLD | 64 KLD |
| 4 | New Cold Rolling Mill | DM Water | 9 KLD | 55 KLD | 64 KLD |
| 5 | Old Pickling | RO Water | 2 KLD | 17 KLD | 19 KLD |
| 6 | Annealing Cooling Tower | RO Water | 23 KLD | 137 KLD | 160 KLD |
| 7 | Gas Gen Set | DM Water | 1 KLD | 5 KLD | 6 KLD |
| 8 | Boiler (5 TPH capacity) | DM Water | 9 KLD | 55 KLD | 64 KLD |
| 9 | Boiler (3 TPH capacity) | DM Water | 7 KLD | 37 KLD | 44 KLD |
| | Total Water Re | equirement | 65 KLD | 398 KLD | 463 KLD |

Table 2.14 Water Requirement by Plant Operation

Effluent Generation and Management: As far as water is concerned wastewater from cooling tower blow down, boiler, and from the different units of the project is taken to effluent treatment plant followed by Reverse Osmosis plant and recycled back to the process as make-up, to attain "zero" effluent discharge, facilitating adequate re-use of water in the respective re-circulating systems and economizing on the make-up water requirement.

Total Effluent generated from the Project is 370 KLD. The effluent generated from the Project will be treated in the 450 KLD ETP. Summary of effluent generation by project operation is shown in the **Table 2.15**. Rest effluent water is treated to the desired extent in Reverse Osmosis Plant

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

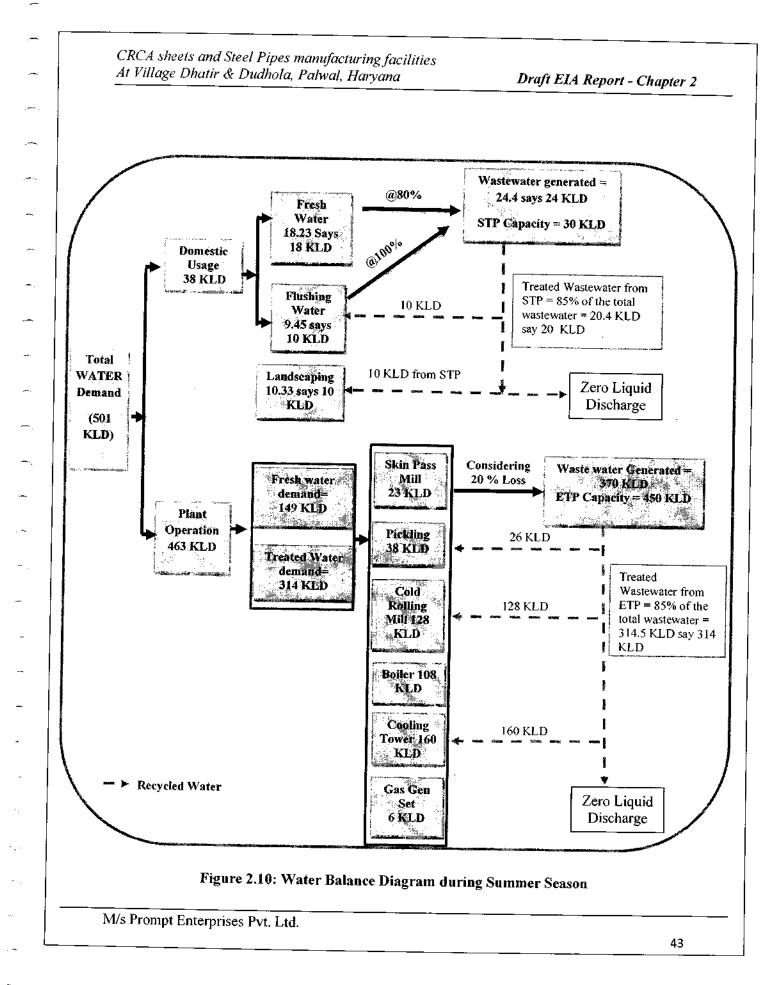
Draft EIA Report - Chapter 2

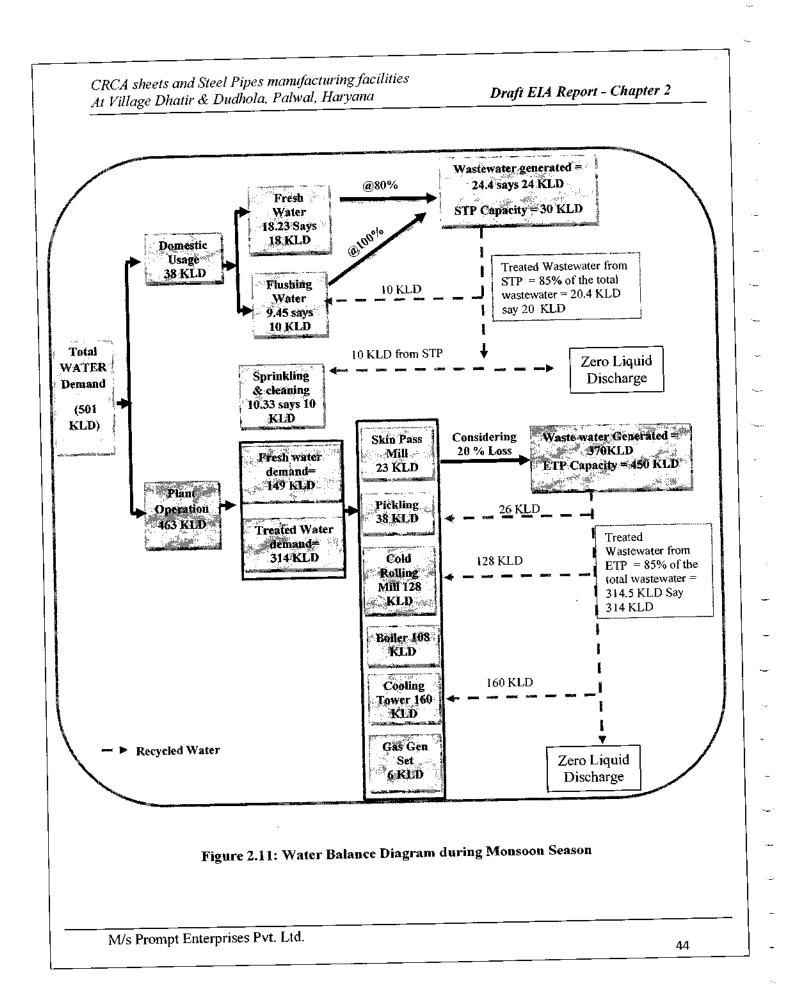
Table 2.15 Summary of effluent generation by both units (Existing Unit + Expansion Unit)

| S. No. | Particulars | Existing Unit | Expansion Unit | Total |
|--------|--|---------------|----------------|---------|
| 1 | Total water requirement for Project operation | 65 KLD | 398 KLD | 463 KLD |
| 2 | Effluent generated from the Project | 52 KLD | 318 KLD | 370 KLD |
| 3 | ETP capacity | 220 KLD | 230 KLD | 450 KLD |

The estimated sludge generation is 30 Tonne/year in the existing unit and 100 Tonne/year in the expansion unit. Which will be hand-over to authorize recyclers.

Water balance diagram for the Summer and Monsoon season is shown below in the Figure 2.10 & 2.11, respectively.





Draft ELA Report - Chapter 2

Sewage Treatment and Reuse

 \sim

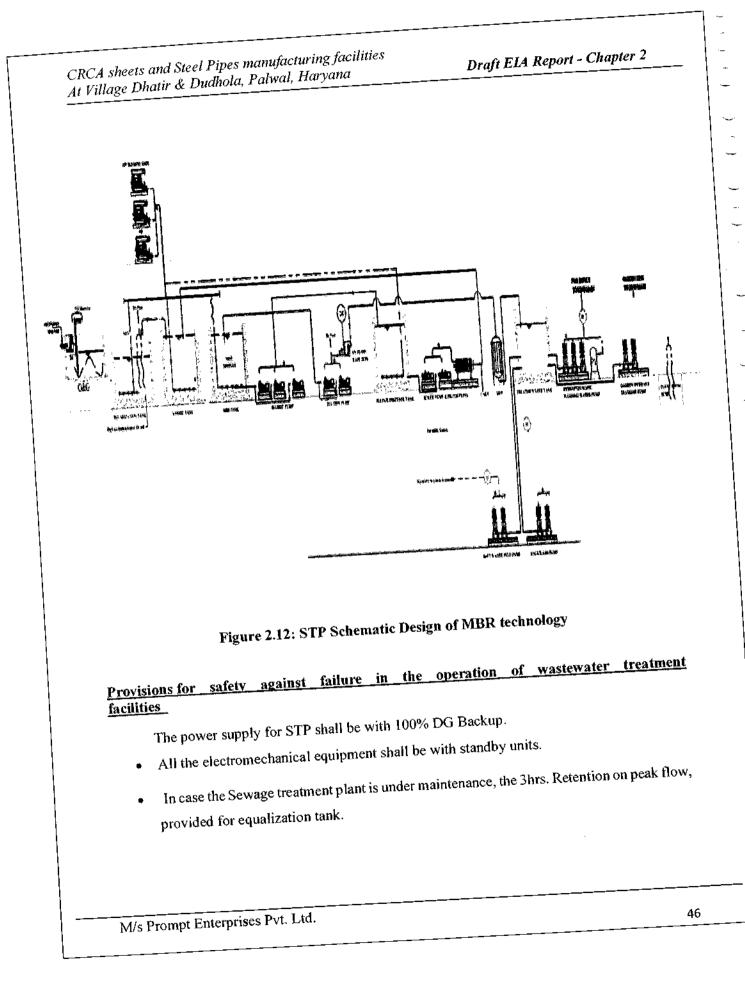
_

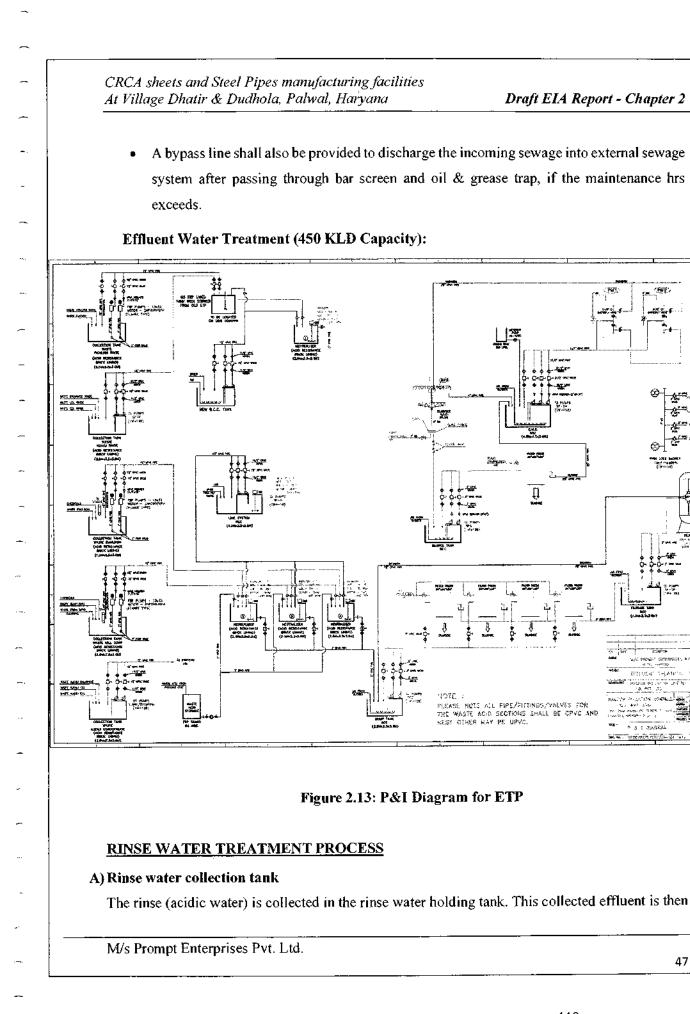
The details of quantity of sewage and sewage collection, treatment, reuse and disposal are given in the Table 2.16. The location of the STP in the plan is attached as Annexure V.

| Quantit | |
|--|---|
| Quantity of sewage existing+ Proposed | 24 KLD |
| Collection of sewage | Sewage generated during the operation phase will be collected through underground sewcrage system (pipe drain) for treatment in STP. Separate storm water drainage system will be provided for rainwater |
| | Sewage will be treated up to the tertiary level in the Sewage Treatment Plant (STP) of 30 KLD capacity located in project premises based on MBR Reactor. |
| of treated sewage | During normal operations, there will be zero liquid discharge, as the entire (100%) treated sewage will be reused and recycled for cooling, horticulture and toilet flushing |
| | Inside the project premises |

Table 2.16 Sewage Quantity, Treatment, Reuse & Disposal

M/s Prompt Enterprises Pvt. Ltd.





\$ 5 BLARK

Draft EIA Report - Chapter 2

Piri

Û

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 2

transferred to neutralizer tank through PP pump. The neutralization of this effluent is carried out by adding lime slurry to it.

Note: Parameters of incoming rinse water are checked &monitored as per below:

- 1. pH should be >3.0
- 2. Chloride should be <100 ppm
- 3. TDS should be <5000 ppm
- 4. TSS should be <1000 ppm

B) Lime slurry preparation tank

Lime powder is added in Lime preparation tank having treated filter water. Both are mixed in the tank by the agitator mounted on it. Continuous stirring is required to make homogeneous lime solution.

C) Neutralization of Rinse in Neutralization tank (NT Tank)

Rinse water collected in rinse water holding tank is transferred to NT Tank by PP pumps and lime slurry is added to NT Tank by lime dosing pump simultaneously. Flow rate of the effluent is adjusted to achieve pH of 7.0 to 9.0

Note: The pH of treated water should not be less than 7.0

D) Preparation of polyelectrolyte solution

As per the inlet parameters of neutralized rinse water to Clarifier, quantity of polyelectrolyte powder is to be mixed with water in a tank and stored. This Polyelectrolyte solution is fed in to clarifier by gravity or pump.

E) Preparation of Poly Aluminium Chloride (PAC) solution

As per inlet parameters of neutralized rinse water to Clarifier, quantity of PAC power is to be mixed with water in a tank and stored. This solution is fed in the neutralized rinse water line through Dosing pump or by gravity.

F) Clarification

Clarifier receives the neutralized rinse water from rinse neutralizer by gravity. The suspended particles in water get settle down at the bottom of the clarifier and over flow clear water is collected in treated water tank. The particles settled at the bottom form the sludge and this sludge is removed by opening the valve provided at the sludge outlet pipe of the clarifier and stored in sludge storage tank. This sludge is then feed to filter press. The frequency of sludge removal depends upon the

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 2

quantity of sludge generated. Intermediate sludge withdrawal is essential to prevent chocking of sludge line and also for the better quality of clarified water. Following measures are recommended to generate better quality of clarified water.

- Maintain the proper flow rate of incoming neutralized rinse water.
- Ensure pH of neutralized rinse water is in the range of 7.0 to 9.0
- Ensure proper Dosing of polyelectrolyte & PAC
- Ensure continuous operation of clarifier scrapper.
- Keep regular draining of sludge.

G)Filtration of treated water

The treated water flows from the clarifier to treated water tank (TWT) for further filtration through multi grade filters. This clarified water is pumped through the multi grade filters.

TSS of the treated water is essential parameter to be controlled. Too much of TSS in the clarified water would chock the MGF frequently & result in improper filtration. To improve filter water quality backwashing of MGF is to be done as per requirement.

H) Filter water Tank

Outlet water of MGF is collected in filter water tank. Centrifugal pumps are installed for pumping filtered water to process lines for reuse.

Note: All parameters of rinse water after filtration are checked & maintained as per below. 1. pH 7.0-9.0

- 2. Chloride should be <100 ppm
- 3. TDS should be <5000 ppm
- 4. TSS should be <30 ppm

SPENT ACID TREATMENT PROCESS

A. SPENT ACID STORAGE

The spent acid is pumped from different pickling lines and stored in acid holding tank. This stored spent acid is transferred to acid neutralizer tank through PP pump.

B. SPENT ACID NEUTRALIZER

Spent acid is being received in the acid neutralization tank from dump tank. Instantly start lime powder dosing directly in neutralization tank. pH is maintained in between 7 to 8. Continuous

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 2

stirring is required to make homogeneous solution. After achieving the desired pH, the suspension is allowed to drain in to the slurry tank or fed to filter presses directly through slurry feed pump. Following reactions take place during spent acid neutralization.

 $HNO_3 + Ca(OH)_2 - ---- Ca(NO_3)_2 + H_2O_3 + Ca(NO_3)_2 + Ca(NO_3)_3 + Ca(NO_3)_3 + Ca(NO_3)_3 + Ca(NO_3)_3 + Ca(NO_3)_3 + Ca(NO_3)$

 $HF + Ca(OH)_2$ -----Ca $F_2 + H_2O$

NiF₂ + Ca(OH)₂ -----Ni(OH)₂ +CaF₂

 $CrF_3 + Ca(OH)_2 - Cr(OH)_3 + CaF_2$

 $FeF_3 + Ca(OH)_2$ ------Fe(OH)₃ + CaF₂

 $Cr_2(SO_4)_3 + Ca(OH)_2$ -----Cr(OH)₃ + CaSO₄

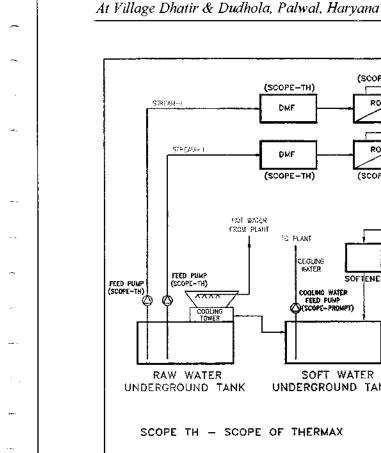
c. FILTER PRESS

There are filter presses installed for solid - liquid separation from the neutralize slurry. After separation, solid sludge cakes are sent to authorized vendor and filter water is sent to waste water tank through waste water pump Note: All parameters of acid treated water after filter press are checked & maintained as below.

- 1. pH 7.0-8.0
- 2. Chloride < 2000 ppm
- 3. TDS < 40000 ppm
- 4. TSS < 30 ppm

The Treated Wastewater from the ETP is further treated in Reverse osmosis (RO) Plant. The RO permeate is routed back to inlet of water cycle chain. RO reject is disposed through Fog Cannon.

Draft EIA Report - Chapter 2



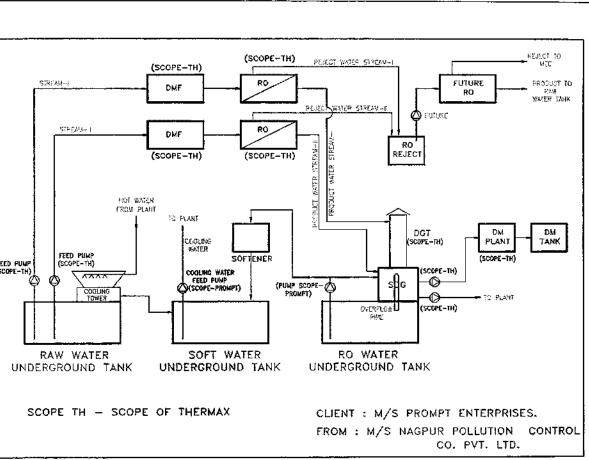


Figure 2.14: Process Diagram for Water Treatment Plant

Overall the existing plant is working on the philosophy of zero discharge and no wastewater is disposed outside the plant premises.

2.9 Storm Water Drainage and Rainwater Harvesting

CRCA sheets and Steel Pipes manufacturing facilities

2.9.1 Storm Water Drainage

Proposed storm water system consists of pipe drain, catch basins and seepage pits at regular Intervals for rain water harvesting and ground water recharging. For basement, the rainwater from ramps will be collected in the basement storm water storage tank. This water will be pumped out to the nearest external storm water drain. The storm water disposal system for the premises shall be self-sufficient to avoid any collection/ stagnation and flooding of water. Maximum harvesting will be done within the site. Therefore, it has been decided to provide sufficient rain water

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 2

harvesting storage tank at selected locations, which are liable to catch the maximum run-off from the area. The Contour plan of the project site and Contour Map of 10 Km radius of project & drainage pattern plan of the project site is attached as *Annexure VIII (a) & (b) & IX* respectively.

2.9.2 Rainwater Harvesting

The storm water disposal system for the premises is self-sufficient to avoid any collection/stagnation and flooding of water. The amount of storm water run-off depends upon many factors such as intensity and duration of precipitation, characteristics of the tributary area and the time required for such flow to reach the drains. Taking the advantage of road camber, the rainfall run off from roads shall flow towards the drains. Storm water from various blocks is connected to adjacent drain by a pipe through catch basins. As the ground water level in the area is below 30-34 meters bgl.

It has been calculated to provide 3 rainwater harvesting storage tanks at selected location, which catches the maximum run-off from the area.

Rain water harvesting storage tank has been catered to and designed as per the guideline of CGWA. The storage tank dimensions will be 15m length, 6.5m breadth and 5.2m depth is constructed for recharging the water.

Calculations for Storm Water load

Roof-top area = Ground Coverage = 55957.424m² Green Area= 10332.23 m² Paved Area = Total Plot Area - (Roof-top Area + Green Area+ Service Area) = 103322.288 - (55957.424+ 10332.23+9330.975) = 27701.659 m²

Runoff Load

| Roof-top Area | $= 55957.424 \times 0.020 \times 0.9 = 1007.23 \text{ m}^3/\text{hr}$ |
|-------------------|--|
| Green Area | $= 10332.23 \times 0.020 \times 0.2 = 41.32 \text{ m}^3/\text{hr}$ |
| Paved Area | $= 27701.659 \times 0.020 \times 0.7 = 387.82 \text{ m}^3/\text{hr}$ |
| Total Runoff Loa | $d = 1007.23 + 41.32 + 387.82 \text{ m}^3/\text{hr} = 1436.37 \text{ m}^3/\text{hr}$ |
| Taking 20 minute | es Retention Time, Total volume of storm water = $1464 / 3 = 478.79 \text{ m}^3$ |
| Taking the length | , width and depth of a Recharge Tank 15 m, 6.5m and 5.2m respectively, Volume |
| of a single Recha | rge Tank = $1 * b * h = 15.0 \times 6.5 \times 5.2 = 507 \text{ m}^3$ |

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 2

Total No of RWH tanks proposed= 3

Total water harvested= $3 \times 507 = 1521 \text{ m}^3$

2.10 Power Requirement

Steel industries are power intensive as they use electricity as fuel and other rolling operations. The existing unit for manufacturing and all other utilities requires 7.5 MW. To implement the proposed expansion additional 4.2 MW will be required. Total power requirement after expansion shall be 11.7 MW only. Power requirement for existing as well as expansion project will be met by Dakshin Haryana Bijli Vitran Nigam.

2.10.1 Power generator

For power backup, three power generating sets of capacity of 2500 KW each are available. These power generating sets are gas based and no diesel is used. Gas used is PNG. Gas consumption if run at full capacity shall be 520 m3/hr for each 2500 KW set. For each power generating set individual stack of 30 m has been provided. Power generating sets are used for power supply in cold rolling mill. As these are gas fired Gas Gen set so there will be negligible air pollution.

2.11 Vehicle Parking Facilities

In the project site there will be adequate provision for parking of cars, trucks and other automobiles. For parking of cars and other vehicles different locations have been earmarked at project site. The parking plan has been so devised that at no point of time there will be traffic bottleneck at the threshold of a parking lot. The parking details are provided below in **Table 2.17 & 2.18**.

| S. No. | Particulars | FAR AREA | Area Per ECS | ECS |
|--------|-----------------|-----------|----------------------|-----|
| 1. | At Project Site | 64283.955 | IECS/ 300 SQM FAR | 213 |
| Total | Say 213 | | | |

Table 2.17: Parking required as per Haryana Building bye laws

| Village L | Dhatir & Dudhola, F | Draft ELA | Report - Chapter | |
|-----------|---------------------|------------------------------------|-------------------------------|---------|
| | | Table 18: Parking Prov | <u>ided</u> | |
| S. No. | Particulars | Area provided under stilt (sqm) | Area required Per ECS(sqm) | ECS |
| 1. | At Project Site | 7330.975 | 23 | 318 |
| Total | Parking Required | as per Haryana Building | bye laws, 2017 | Say 318 |

| Total Car Parking Provided= 318 E | ECS |
|-----------------------------------|-----|
|-----------------------------------|-----|

2.12 Solid Waste Management

2.12.1 Solid waste generation from the staff and landscape area:

The total solid waste to be generated from the existing unit is 103 kg/Day and for proposed unit 128.75 kg/Day and for landscape 0.51 kg/Day therefore the total waste including existing and expansion unit will be 232.26 kg/Day. The Solid waste generation under various categories and its management options are shown in the Table 2.19 & 2.20, respectively.

| S. No. | Category | Existing Kg per capita per day | Waste Generated (kg/day) | Proposed Kg per capita per day | Waste Generated (kg/day) | 2 |
|-----------|---|--------------------------------------|--------------------------------|---|--------------------------------|------------------|
| 1 | Staff | 400@ 0.25 kg / day | 100 | 500@ 0.25 kg / day | 125 | 225 |
| 2 | Visitor | 20@ 0.15 kg /day | 3 | 25@ 0.15 kg /day | 3.75 | 6.75 |
| 3 | Landscape waste (10332.23 m ²) | | 0.51 | | | |
| То | otal Solid W | aste Generated | 103 | | 128.75 | 232.26 kg/day |

Table 2.19: Calculation of Solid Waste generation from Staff

M/s Prompt Enterprises Pvt. Ltd.

| Table 2.20 Solid waste quantification and its management option | | | | | | | | |
|---|--------------------------------|---|----------------------|---|--|--|--|--|
| S. NO. | Type of waste Example | | Quantity of waste | Management options | | | | |
| 1. | Biodegradable waste | Wet waste (50% of the total waste) | 116.13 kg/day | SWM rules 2016, • Bin System, Collection, Segregation & disposal through municipal corporation | | | | |
| 2. | Non- Biodegradable waste | Inert dry waste Including Recyclables (49% of the total waste) | 113.81 kg/day | SWM rule 2016, • Recyclable to authorized recyclers • Non- recyclable to landfill | | | | |
| 3. | Biomedical waste | Special hazardous waste | NIL | NA | | | | |
| 4. | E- waste | Special hazardous waste (1% of the total waste) | 2.32 kg/day | E- waste management rules 2022, | | | | |
| 5. | Battery waste | Special hazardous waste | NIL | NA | | | | |
| | TOTAL (1+2+3 | 3+4+5) | 232.26 Kg/day | | | | | |

Solid Waste Generation, Collection & Disposal

As estimated, approx. 232.26 Kg/day of solid waste will be generated from the proposed project. Waste will be collected in Solid Waste Collection area, segregated, Municipal Waste will be disposed through authorized waste collector and recyclable waste will be handed over to the authorized recyclers. Waste Management during operation phase: Municipal Solid Waste Adequate number of collection bins separately for biodegradable and non-biodegradable waste

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

shall be provided as per the Municipal Solid Waste (Management and Handling) Rule, 2016. Wastes from such bins shall be collected on daily basis handed over to authorized agency for disposal.

Appropriate site for storage and segregation will be identified in the project.

- Arrangement will be made with local civic authority, for providing garbage station or transfer point (preferably near the entry/ exit point of the site), for collection and disposal of inert waste. It will be assured that there is no spillage of waste along the internal roads during collection of wastes.
- All waste collection bins shall be properly maintained on regular basis.
- The garbage storage/transfer point will be covered and cleaned every day to as to avoid any nuisance, vectors and unhygienic conditions.

* <u>Treatment of waste</u>

- <u>Bio-Degradable waste</u>
- 1. Bio-degradable waste will be converted into manure.
- 2. Horticultural Waste will be composted and used for gardening.
- <u>Recyclable waste</u>

i.<u>Grass Recycling</u> – The cropped grass will be spread on the green area. It will act as manure after decomposition.

ii.Recyclable waste like paper, plastic, metals, etc. will be sold off to recyclers.

✤ <u>Disposal</u>

The management of solid wastes during construction and operation phase is shown through the following Figure 2.15 & 2.16 respectively.

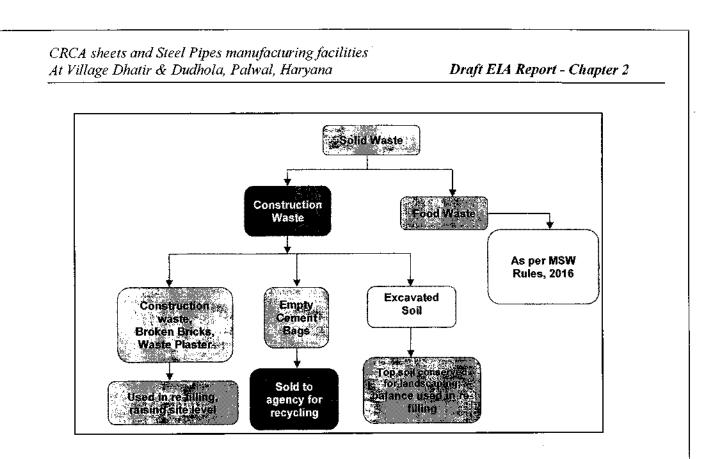
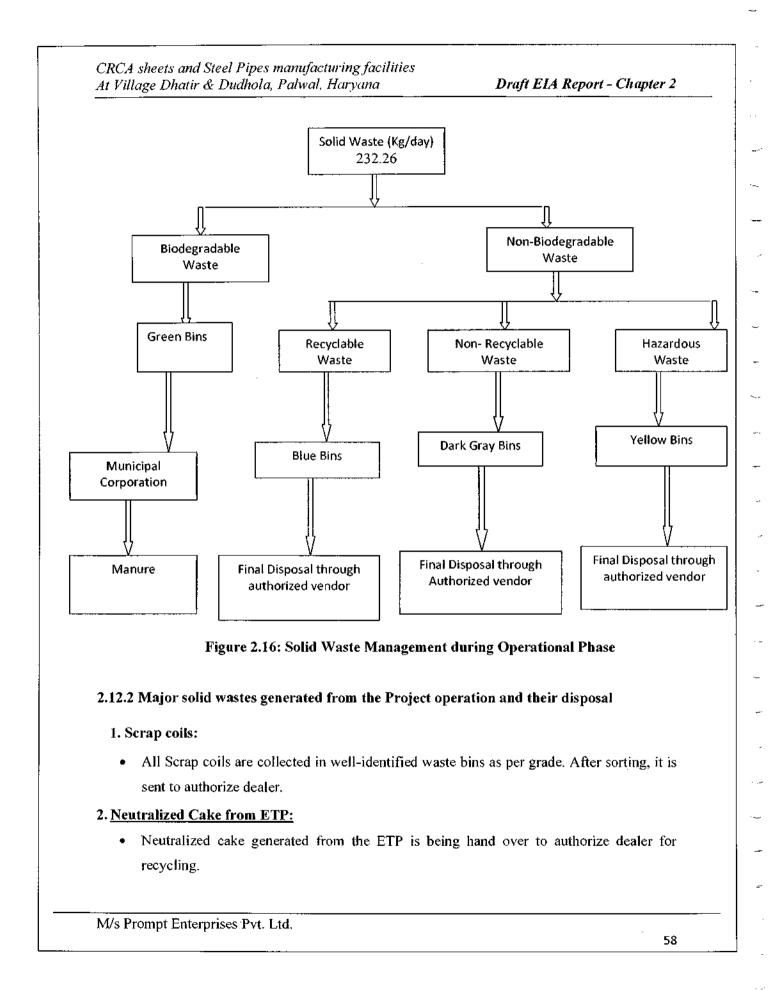


Figure 2.15: Management of Solid wastes in Construction Phase



Draft EIA Report - Chapter 2

3. End Cuttings & Reject Product:

- All the end cuttings are collected in well-identified waste bins as per grades and sent to Steel Melting Shop for re-melting.
- All the reject materials generated are also sent to Steel Melting Shop to re-melting.
- 4. Hazardous Waste:
 - The only hazardous waste is Oil Soaked Clothes, Papers & Spent Oil, used PVC drums and Jerricans which is collected at specified site for further disposal. Hazardous waste is hand over to authorize recyclers.

5. Biomedical Waste (BMW):

• There will be no biomedical waste will be generated.

The quantities of waste generation are shown the Table 2.21.

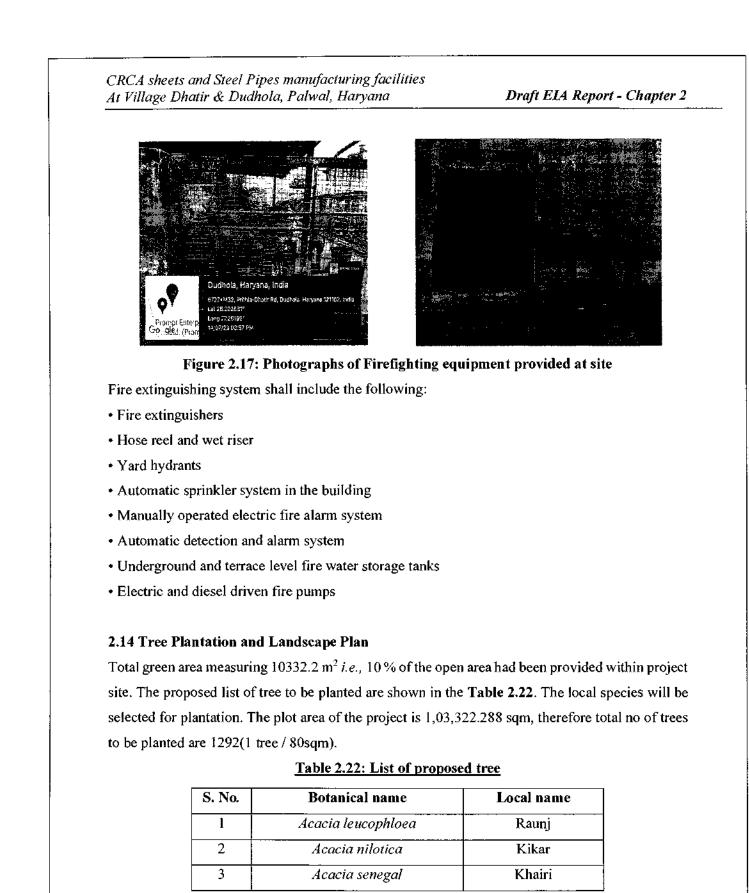
Table 2.21 Summary of Quantity of Waste generated from the Project

| Name of Waste | Туре | Existing Unit | Expansion Unit | Total Quantity | Disposal |
|------------------------------|------------------|------------------|-------------------|-------------------|----------------------------|
| Neutralized Cake from ETP | Non Hazardous | 30 Tonne/Year | 100Tonne/Year | 130Tonne/ Year | To authorized Recyclers |
| Used Oil Waste | Hazardous | 200 L/Year | 650 L/Year | 850 L/Year | To Authorized recycler |

2.13 Fire-fighting Facility

In existing phase, adequate fire protection facilities has been installed including fire detectors, fire alarm and firefighting system to guard the building against fires. All fire protection facilities are designed as per the latest National Building Code. A photograph of firefighting equipment is shown in **Figure 2.17**. A Fire Fighting plan are attached as *Annexure X*.

The expansion phase of the project will follow the same approach.



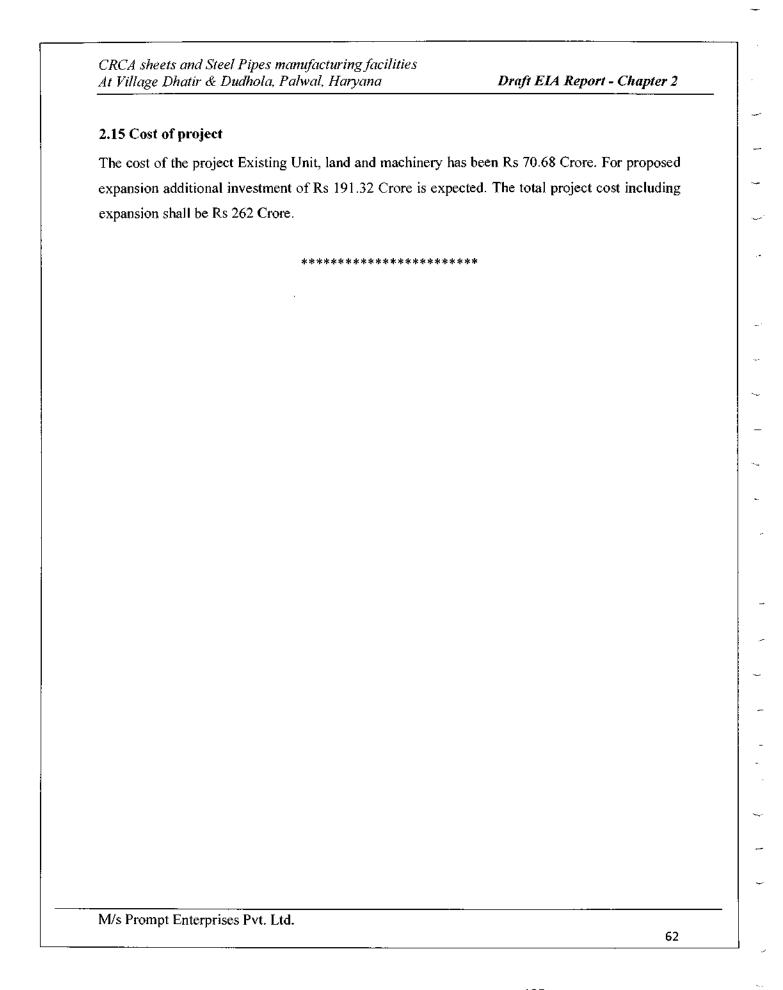
M/s Prompt Enterprises Pvt. Ltd.

| t Village Dhatir & | Dudho | la, Palwal, Haryana | Draft EIA Report - Chapt |
|--------------------|-------|-------------------------|--------------------------|
| | | | |
| 4 | | Albizzia lebbek | Siris |
| 5 | | Azadirachata indica | Neem |
| 6 | 5 | Anogeissus pendula | Dhauk |
| 7 | ' | Bombax ceiba | Semal |
| 8 | ; | Boswellia serrata | Salai |
| 9 | , . | Butea monosperma | Dhak |
| 10 | 0 | Cassia fistula | Amaltas |
| 1 | 1 | Cordia dichotoma | Lasura |
| 12 | 2 | Dalbergia sissoo | Shisham |
| 1: | 3 | Ficus bengalensis | Bar |
| 14 | 4 | Ficus glomerata | Gular |
| 1: | 5 | Ficus religiosa | Peepal |
| 10 | 6 | Holoptelia integrifolia | Papri |
| 1 | 7 | Kigelia pinnata | Kigelia |
| 1 | 8 | Melia azedarach | Bakain |
| 19 | 9 | Mitragyna parviflora | Phaldu |
| 20 | 0 | Pongamia pinnata | Papri, Karanj |
| 2 | 1 | Pongamia glabra | Papri |
| 2: | 2 | Prosopis cineraria | Jand, Jandi |
| 2: | 3 | Salvadora oleoides | Jal |
| 24 | 4 | Sterculia urens | Gum karaya |
| 2. | 5 | Syzygium cumini | Jamun |
| 2 | 6 | Tamarindus indica | Imli |
| 2 | 7 | Tecomella undulata | Rohera |
| 2 | 8 | Terminalia arjuna | Arjun |
| 2 | 9 | Pithecellobium dulce | Jangal jalebi |
| 3 | 0 | Bauhinia variegata | Kachnar |
| 3 | 1 | Mangifera indica | Aam |

M/s Prompt Enterprises Pvt. Ltd.

61

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



Draft EIA Report - Chapter 3

<u>CHAPTER -3</u> DESCRIPTION OF THE ENVIRONMENT

3.1 Introduction

This EIA report contains a description of existing environment which affect directly or indirectly by our upcoming project. Environmental baseline monitoring is a very important stage of EIA. Environmental baseline monitoring, during the operational phase, helps in judging the success of mitigation measures in protecting the environment.

Environmental aspects that are considered in relation to "CRCA sheets and Steel Pipes manufacturing facilities" at Village Dhatir & Dudhola, Palwal, Haryana" project can be categorized into following groups:

- (a) Meteorology
- (b) Ambient air quality
- (c) Noise quality
- (d) Water quality
- (e) Soil quality
- (f) Land use
- (g) Biological Environment
- (h) Socio-economic status
- (i) Traffic Density

The objective of environmental baseline monitoring is to comprehensively document the existing conditions and prioritize the collection and description of baseline data pertaining to environmental factors that are significant and susceptible to potential impacts from forthcoming project activities. This process is an essential component of impact assessments, ensuring that key environmental conditions are accurately assessed and accounted for. The baseline environmental monitoring was carried out during summer season- March 2023 to May 2023 and discussed in this chapter.

3.2 Meteorology

Meteorological data has been collected from the various secondary sources. Meteorological data was

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

collated for the period of June 2022 to May 2023.

The following parameters were recorded at hourly intervals continuously during monitoring period:

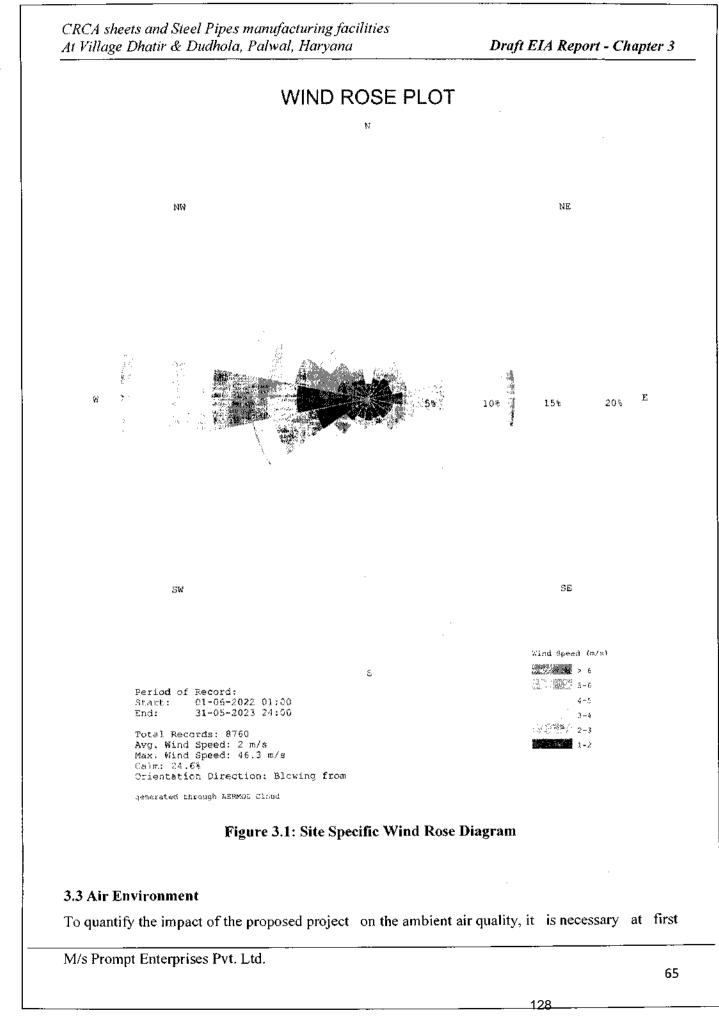
- Wind speed
- Wind Direction
- Air Temperature

The meteorological data is summarized in the **Table-3.1**. The wind-rose diagram for the monitoring period is shown in the Figure-3.1.

Table 3.1: Summarized Meteorological Data for the Monitoring Period (June 2022 to May 2023)

| B.C (L | Temperature, °C | | | Wind Speed, m/sec | | | Predominant | |
|-----------------------|-----------------|------|------|-------------------|------|--------------------|-------------------|--|
| Month | Min | Max | Mean | Min | Max | Monthly average | Wind Direction | |
| June 2022-May 2023 | 3.9 | 45.0 | 25 | 0 | 46.3 | 2.1 | East | |

M/s Prompt Enterprises Pvt. Ltd.



Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

to evaluate the existing ambient air quality of the area. The existing ambient air quality, in terms of Particulate Matter - 10 (PM_{10}), Particulate Matter - 2.5 ($PM_{2.5}$), Sulphur-dioxide (SO₂), Oxides of Nitrogen (NO₂), and Carbon Monoxide (CO), has been measured through a planned field monitoring.

To assess the ambient air quality level, 8 (eight) monitoring stations were set up based upon the prevailing wind direction and resultant direction of wind based upon the pattern observed in the plotted Windrose diagram. Table-3.2 represents the location of the ambient air quality monitoring stations. Location Map of Ambient Air Quality monitoring Stations chosen for baseline sampling is shown in Figure 3.2 and also attached as *Annexure-XI (a)*.

| | | Air Quali | ty Monitorir | g Locations | | |
|--------|--------------------------------------|--|--------------|---------------------|---------------|-----------------------|
| S. No. | Particulars | Distance (KM) Direction Land use / Latitude | | Latitude | Longitude | |
| AAQ1 | Project site | 0 | 0 | Industrial Area | 28°12'9.69"N | 77°15'40.39"E |
| AAQ2 | Shri Vishwakarma Skill University | 2.4 | ESE | Silent Area | 28°11'55.53"N | 77°17'13.80"E |
| AAQ3 | B M Model School Dudhola, Palwal | 0.57 | NE | Silent Area | 28°12'32.17"N | 77°15'56.84''E |
| AAQ4 | Baba Saidpur wale Temple | 2.8 | NW | Silent Area | 28°13'18.77"N | 77°14'11.68"E |
| AAQ5 | Arogyam | 2.4 | WNW | Commercial Area | 28°12'47.53"N | 77°14'10.71 "E |
| AAQ6 | B P Mushrom Farm, Dhatir | 1.04 | W | Residential Area | 28°12'22.87"N | 77°14'56.03"E |
| AAQ7 | MS Hospital Dhatir | 1.99 | SW | Residential Area | 28°11'22.59"N | 77°14'43.21"E |
| AAQ8 | Bharat Public School, Dudhola | 1.6 | SE | Residential Area | 28°11'39.89"N | 77°16'37.86"E |

Table 3.2: Location of Ambient Air Quality Monitoring Stations

M/s Prompt Enterprises Pvt. Ltd.

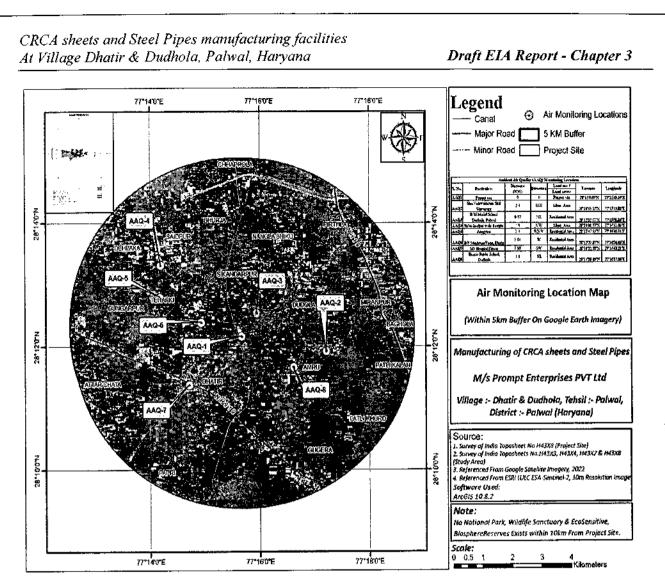


Figure 3.2: Location Map of Ambient Air Quality monitoring Stations

3.3.1 Monitoring Schedule

As per Annexure- VI of the Construction manual issued by MoEF&CC and guidelines of CPCB Ambient air quality monitoring was carried out twice a week with a frequency of 24 hours for 12 weeks. Photographs of Ambient Air Quality Monitoring for the month of March, April and May 2023 are given in Figure 3.3 (a), (b) & (c), respectively.

3.3.2 Methods of Sampling and Analysis

Fine particulate Sampler APM MFC550 was used for monitoring Particulate Matter (PM_{2.5} and PM₁₀), gaseous pollutants like SO₂, and NO₂ was collected by Gaseous Pollutant Sampler APM 433 and CO was monitored by Serinous 30 CO Analyser with NDIR detector.

3.3.3 Method for Measurement of Particulate Matter, SO2& NO2

Method for measurement of Particulate Matter (PM10) in ambient air is done by Cyclonic Flow

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 3

Technique. Particles with aerodynamic diameter less than the cut-point of the inlet are collected by a filter. Ambient air at the monitoring location is sucked through a cyclone. Coarse and non-reparable dust is separated from the air stream by centrifugal forces acting on the solid particles and these particles fall through the cyclone's conical hopper and get collected in the sampling cap placed at the bottom. The fine dust (<10 microns) forming the particulate matter (PM₁₀) passes the cyclone and is retained on the filter paper The mass of these particles is determined by the difference in filter weights prior to and after sampling. The concentration of PM₁₀ in the designated size range is calculated by dividing the weight gain of the filter by the volume of air sampled. A tapping is provided on the suction side of the blower to provide suction for sampling air through a set of impinges for containing absorbing solutions for SO₂ and NO₂. Samples of gases are drawn at a flow rate of 0.2 liters per minute. FPS is used for PM_{2.5}. This system is a manual method for sampling fine particles (PM_{2.5} fraction) and is based on Impact or designs standardized by USEPA for ambient air quality monitoring.

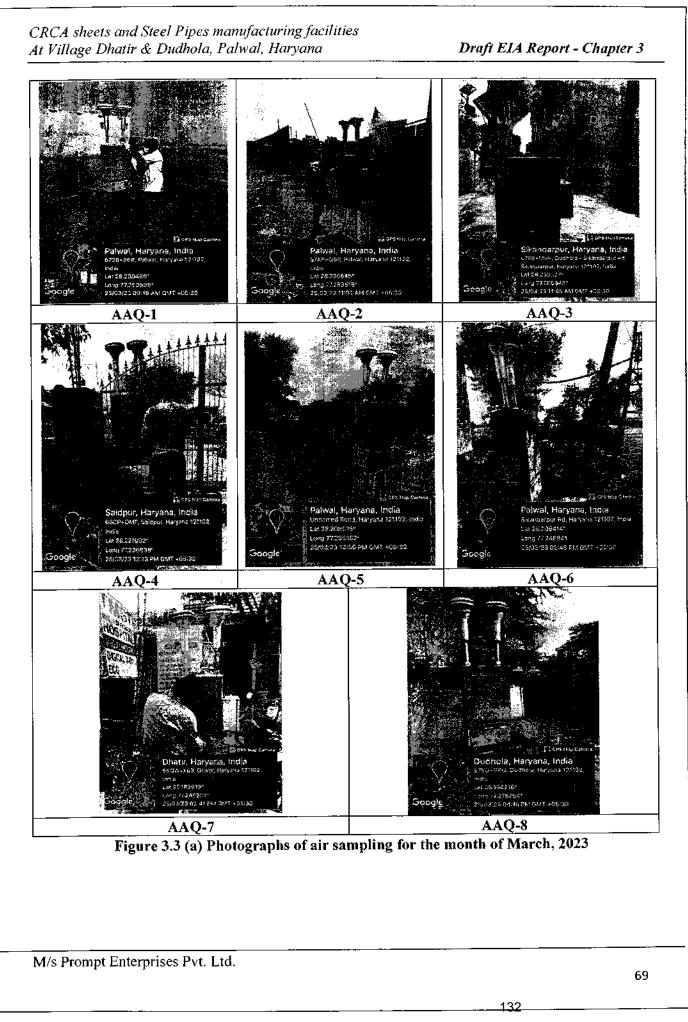
Standard Gravimetric method is used for estimation of $PM_{2.5}$ & PM_{10} . Improved West and Gaeke method (IS-5182 part-II, 1969) has been adopted for estimation of SO₂ and Modified Jacobs-Hochheiser method (IS-5182 part-VI, 1975) has been adopted for the estimation of NO₂.

(Ref: Guidelines for the Measurement of Ambient Air Pollutants, Volume-I for issued by Central Pollution control Board)

3.3.4 Method for measurement of Carbon Monoxide – NDIR method Instrument used: Ecotech Serinus 30 Carbon Monoxide (Automatic analyzer method)

This analyzer is used to measure CO in ambient air, in the range of 0-200 ppm (220 mg/m3) to a sensitivity of 0.05 ppm (55μ g/m3). The Serinus 30 combines the benefits of Micro process control with Non-Dispersive Infrared Spectrophotometer technology. Carbon Monoxide concentration is automatically corrected for gas temperature and pressure changes.

M/s Prompt Enterprises Pvt. Ltd.



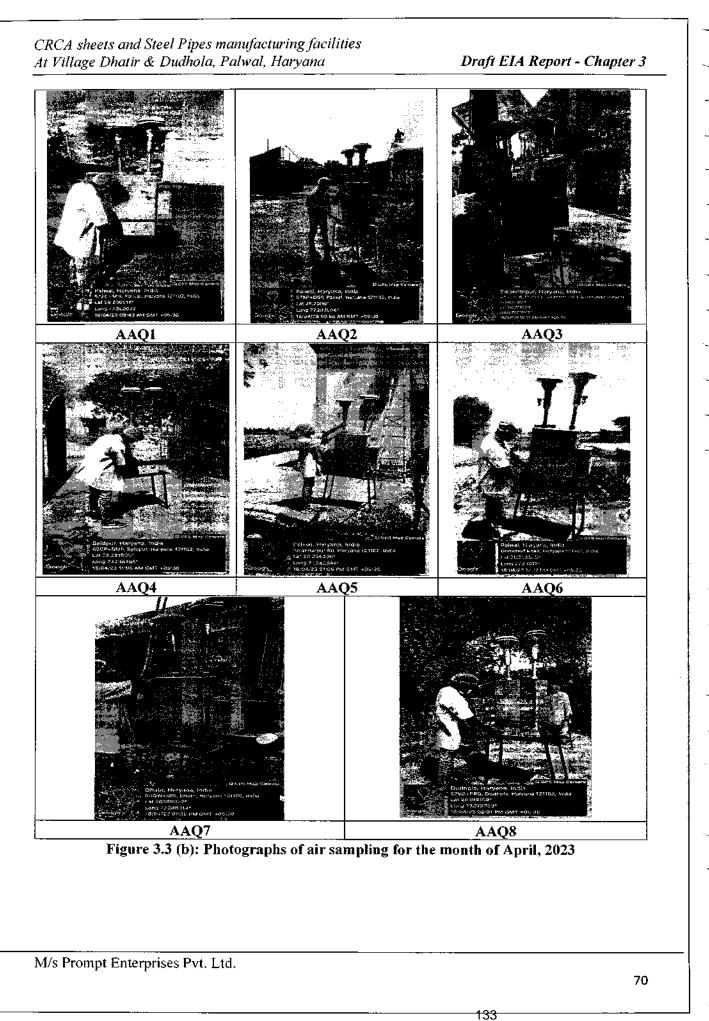




Figure 3.3 (c): Photographs of air sampling for the month of May, 2023.

3.3.5 Results and Discussions

The reports of Air quality monitoring for the March, April and May, 2023 is attached as *Annexure XII*. The results of Ambient Air Quality (AAQ) are given in **Table 3.3(a) - 3.3(e)**. The results when compared with National Ambient Air Quality Standards (NAAQS) of Central Pollution Control Board (CPCB) depicts that the values of ambient air quality parameters are as follows:

M/s Prompt Enterprises Pvt. Ltd.

134

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Draft ELA Report - Chapter 3

a) Suspended Particulate Matter (PM10)

Suspended particulate matter in general terms is the particulate matter in suspension in ambient air. It includes dust, smoke etc. In general, some of the important sources of suspended particulate matter are mines. The following sources of suspended particulate matter in the study area are identified:

- Emission due to vehicular movement
- Emission due to Industrial activity at the project site

Table 3.3 (a) Ambient Air Quality with respect to PM10 (24 hrs Average)

| Sampling Location | Location Name | Minimum (µg/m3) | Maximum (µg/m3) | Average (μg/m3) | 98 Percentile | CPCB Standards (µg/m3) |
|----------------------|---|--------------------|--------------------|--------------------|------------------|------------------------------|
| AAQ1 | Project site | 85.7 | 97.6 | 91.2 | 97.6 | 100 |
| AAQ2 | Shri Vishwakarma Skill University | 74 | 85.9 | 79.5 | 85.9 | 100 |
| AAQ3 | B M Model School Dudhola, Palwal | 72 | 83.9 | 77.5 | 83.9 | 100 |
| AAQ4 | Baba Saidpur wale Temple | 73 | 84.9 | 78.5 | 84.9 | 100 |
| AAQ5 | Arogyam | 71 | 82.9 | 76.5 | 82.9 | 100 |
| AAQ6 | B P Mushrom Farm, Dhatir | 79 | 90.9 | 84.5 | 90.9 | 100 |
| AAQ7 | MS Hospital Dhatir | 80 | 91.9 | 85.5 | 91.9 | 100 |
| AAQ8 | Bharat Public School, Dudhola | 80.4 | 92.3 | 85.9 | 92.3 | 100 |

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities Draft EIA Report - Chapter 3 At Village Dhatir & Dudhola, Palwal, Haryana Concentration of PM10 in the Study Area 120 97.6 02.3 100 -90-9-100 100 100 84.9 ∞.**∔00**: 100 85.9 83.9 82.9 80. 80 80 £ແ/ລີກ່ 60 40 20 0 ΒM ΒP Bharat Baba Shri MS Model Public Vishwakar Saidpur Mushrom Hospital Arogyam Project site School School. Farm. ma Skill wale Dudhola, Dhatir Dudhola Dhatir University Temple Palwal 79 80.4 73 71 80 85.7 74 72 Minimum 82.9 90.9 91.9 92.3 83.9 84.9 97.6 85.9 Maximum 🏾 85.5 85.9 79.5 77.5 78.5 76.5 84.5 91.2 Merage 🕷 85.9 83.9 84.9 82.9 90.9 91.9 92.3 ■98 Percentile 97.6 100 100 100 100 100 100 100 CPCB Standard 100

Figure 3.4 (a) Charts of Ambient Air Quality Monitoring with respects to PM10 (24 Hourly Average)

The values of Particulate Matter (size less than 10 μ m) in study area are presented in **Table 3.3** (a) and shown in the **Figure 3.4** (a). The seasonal minimum, maximum, average and 98 percentile values within the study area ranged between 71.0-85.7 μ g/m³, 82.0-97.6 μ g/m³, 76.5-91.2 μ g/m³, and 82.9-97.6 μ g/m3 respectively. The minimum value for PM₁₀ is Observed as 71 (μ g/m3) at Aarogyam located at 2.4 km from the project site in the WNW direction & Maximum Value of PM₁₀ 85.7 (μ g/m3) monitored at the project site. Maximum concentration of PM₁₀ at the project site is due to vehicular activity and heavy motors and machinery used in the project site.

b) Particulate Matter (PM2.5)

Fine particles include all types of combustion, including motor vehicles, power plants, residential wood burning, forest fires, agricultural burning, and some industrial processes. In general, some of the important sources of particulate matter are mines. The following sources of particulate matter in the study area are identified:

- Emission due to vehicular movement
- Emission due to Industrial activity at the project site

Table 3.3 (b) Ambient Air Quality with respect to PM2.5 (24 hrs Average)

M/s Prompt Enterprises Pvt. Ltd.

-136-

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

| Location Code | Location Name | Min (µg/m3) | Max (µg/m3) | Average (μg/m3) | 98 Percentile | CPCB Standards (µg/m3) |
|------------------|--------------------------------------|----------------|----------------|--------------------|------------------|------------------------------|
| AAQ1 | Project site | 48.7 | 57.6 | 52.9 | 57.1 | 60 |
| AAQ2 | Shri Vishwakarma Skill University | 40.5 | 50.7 | 45.8 | 50.3 | 60 |
| AAQ3 | B M Model School Dudhola, Palwal | 39.5 | 49.5 | 44.5 | 49.1 | 60 |
| AAQ4 | Baba Saidpur wale Temple | 40 | 50.1 | 45 | 49.7 | 60 |
| AAQ5 | Arogyam | 39 | 48.9 | 43.8 | 48.5 | 60 |
| AAQ6 | B P Mushrom Farm, Dhatir | 42.9 | 53.6 | 48.4 | 53.2 | 60 |
| AAQ7 | MS Hospital Dhatir | 43.4 | 54.2 | 49.1 | 53.8 | 60 |
| AAQ8 | Bharat Public School, Dudhola | 43.6 | 54.5 | 49.3 | 54 | 60 |

Concentration of PM2.5 in the Study Area

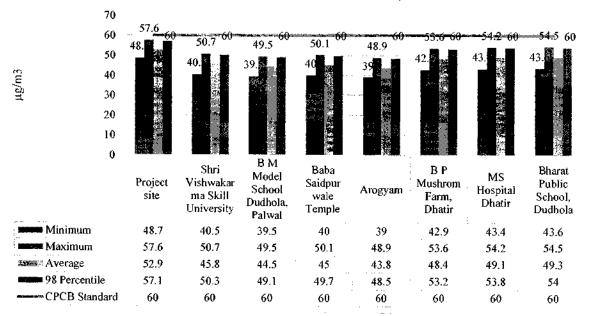


Figure 3.4 (b) Charts of Ambient Air Quality Monitoring with respects to PM_{2.5} (24 Hourly Average)

The values of Particulate Matter (size less than 2.5 μ m) in study area are given in **Table 3.3** (b) and shown in the **Figure 3.4** (b). The seasonal minimum, maximum, average and 98 percentile values within the study area ranged between 39.0-48.7 μ g/m³, 48.9-57.6 μ g/m³, 43.8-52.9 μ g/m³and 57.1

M/s Prompt Enterprises Pvt. Ltd.

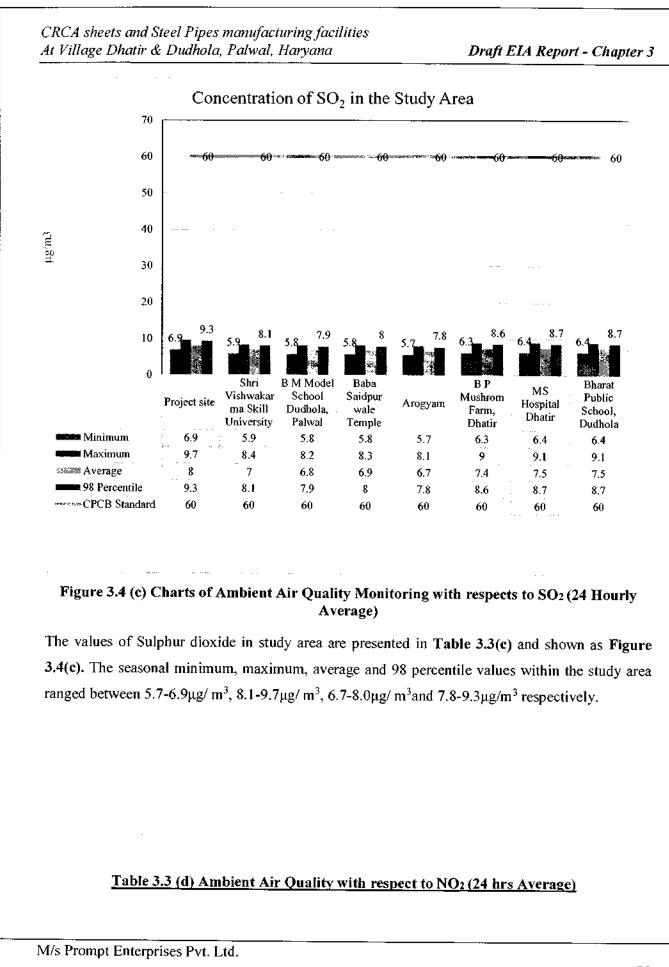
Draft EIA Report - Chapter 3

 μ g/m³respectively. The Minimum value for PM_{2.5} observes is 39 μ g/m³ at Aarogyam located at 2.4 km from the project site in the WNW direction & Maximum Value of 57.6 μ g/m³ observed at project site.

| Location Code | Location Name | Min (µg/m3) | Max (µg/m3) | Average (µg/m3) | 98 Percentile | As per CPCB Standards (µg/m³) |
|------------------|--------------------------------------|----------------|----------------|--------------------|------------------|-------------------------------------|
| AAQ1 | Project site | 6.9 | 9.7 | 8 | 9.3 | 80 |
| AAQ2 | Shri Vishwakarma Skill University | 5.9 | 8.4 | 7 | 8.1 | 80 |
| AAQ3 | B M Model School Dudhola, Palwal | 5.8 | 8.2 | 6.8 | 7.9 | 80 |
| AAQ4 | Baba Saidpur wale Temple | 5.8 | 8.3 | 6.9 | 8 | 80 |
| AAQ5 | Arogyam | 5.7 | 8.1 | 6.7 | 7.8 | 80 |
| AAQ6 | B P Mushrom Farm, Dhatir | 6.3 | 9 | 7.4 | 8.6 | 80 |
| AAQ7 | MS Hospital Dhatir | 6.4 | 9.1 | 7.5 | 8.7 | 80 |
| AAQ8 | Bharat Public School, Dudhola | 6.4 | 9.1 | 7.5 | 8.7 | 80 |

Table 3.3 (c) Ambient Air Quality with respect to SO₂ (24 hrs Average)

M/s Prompt Enterprises Pvt. Ltd.



CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

. ---

Draft EIA Report - Chapter 3

| Location Code | Location | Min | Max | Average | 98 Percentile | As per CPCB Standards |
|------------------|--------------------------------------|------|------|---------|------------------|--------------------------|
| AAQ1 | Project site | 10.1 | 13.6 | 11.6 | 13.6 | 80 |
| AAQ2 | Shri Vishwakarma Skill University | 8.8 | 12 | 10.1 | 11.9 | 80 |
| AAQ3 | B M Model School Dudhola, Paiwal | 8.6 | 11.7 | 9.8 | 11.6 | 80 |
| AAQ4 | Baba Saidpur wale Temple | 8.7 | 11.8 | 10 | 11.8 | 80 |
| AAQ5 | Arogyam | 8.5 | 11.5 | 9.7 | 11.5 | 80 |
| AAQ6 | B P Mushrom Farm, Dhatir | 9.4 | 12.7 | 10.7 | 12.6 | 80 |
| AAQ7 | MS Hospital Dhatir | 9.5 | 12.8 | 10.8 | 12.8 | 80 |
| AAQ8 | Bharat Public School, Dudhola | 9.5 | 12.9 | 10.9 | 12.8 | 80 |

Concentration of NO2 in the Study Area

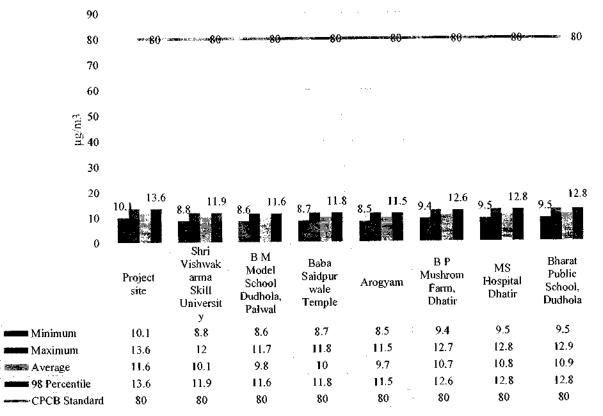


Fig 3.4 (d) Charts of Ambient Air Quality Monitoring with respects to NO₂ (24 Hourly Average)

M/s Prompt Enterprises Pvt. Ltd.

77

__140.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

The values of oxides of nitrogen in study area are presented in **Table 3.3** (d) and shown in the **Figure 3.4** (d). The seasonal minimum, maximum, average and 98 percentile values within the study area ranged between 8.5-10.1 μ g/m³, 11.5-13.6 μ g/m³, 9.7-11.6 μ g/m³ and 11.5-13.6 μ g/m³, respectively.

| Location Code | Location | Min (mg/m3) | Max (mg/m3) | Average (mg/m3) | 98 Percentíle | As per CPCB Standards(mg/m3) | |
|------------------|--------------------------------------|----------------|----------------|--------------------|------------------|---------------------------------|--|
| AAQI | Project site | 0.55 | 1.07 | 0.78 | 1.04 | 4 | |
| AAQ2 | Shri Vishwakarma Skill University | 0.48 | 0.94 | 0.67 | 0.91 | 4 | |
| AAQ3 | B M Model School Dudhola, Palwal | 0.46 | 0.92 | 0.66 | 0.89 | 4 | |
| AAQ4 | Baba Saidpur wale Temple | 0.47 | 0.93 | 0.67 | 0.9 | 4 | |
| AAQ5 | Arogyam | 0.46 | 0.91 | 0.65 | 0.88 | 4 | |
| AAQ6 | B P Mushrom Farm, Dhatir | 0.51 | 1 | 0.72 | 0.97 | 4 | |
| AAQ7 | MS Hospital Dhatir | 0.51 | 1.01 | 0.73 | 0.98 | 4 | |
| AAQ8 | Bharat Public School, Dudhola | 0.51 | 1.02 | 0.73 | 0.98 | 4 | |

Table 3.3 (e) Ambient Air Quality with respect to CO (1 hrs Average)

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

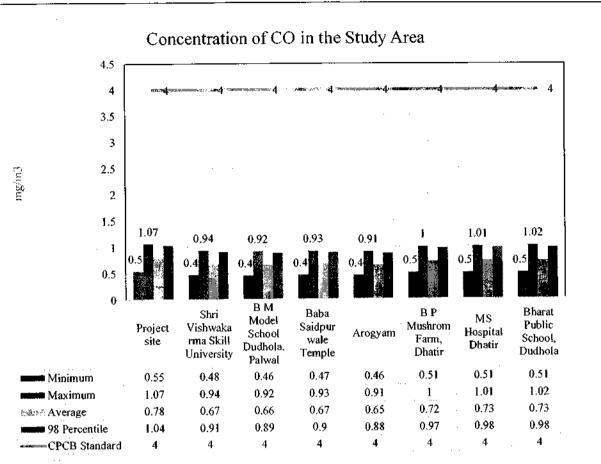


Fig 3.4 (e) Charts of Ambient Air Quality Monitoring with respects to CO (1 Hourly Average)

The values of carbon monoxide in study area are presented in Table 3.3 (e) and shown in the Figure 3.4 (e). The seasonal minimum, maximum, average and 98 percentile values within the study area ranged between 0.46-0.55 mg/m³, 0.91-1.07 mg/m³, 0.65-0.78 mg/m³ and 0.88-1.04 mg/m³, respectively.

From the summarized monitoring results it is clear that, in all cases, the 24-hourly average levels of SO_2 and NO_2 were observed to be within the limit of $80\mu g/m^3$ and 1 hourly average levels of CO were observed to be within the limit of $04mg/m^3$ for all locations as stipulated in the National Ambient Air Quality Standards.

3.4 Noise Environment

Noise is one of the most undesirable and unwanted by-products of our modern life style. It may not seem as insidious or harmful as air and water pollutants but it affects human health and well-being and can contribute to deterioration of human well-being in general and can cause disturbances related

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

to neurology and damage to the hearing mechanism. It is therefore, necessary to measure both the quality as well as the quantity of noise in and around the site with respect to intensity and duration.

3.4.1 Methodology

The intensity of sound energy in the environment is measured in a logarithmic scale and is expressed in a decibel, dB (A) scale. In a sophisticated type of sound level meter, an additional circuit (filters) is provided, which modifies the received signal in such a way that it replicates the sound signal as received by the human ear and the magnitude of sound level in this scale is denoted as dB (A). The sound levels are expressed in dB (A) scale for the purpose of comparison of noise levels, which is universally accepted by the international community.

Noise levels were measured using an Integrating sound level meter manufactured by Lutron (SD card). It has an indicating mode of Lp and Leq. Keeping the mode in Lp for few minutes and setting the corresponding range and the weighting network in "A" weighting set the sound level meter was run for one hour time and Leq was measured at all locations.

The day noise levels have been monitored during 6.00 am to 10.00 pm and night noise levels, during 10.00 pm to 6.00 am at all the 7 locations, which covers-study area including residential areas and silence zones, if available within 10 km radius of the study area.

3.4.2 Sampling Locations.

A preliminary survey was undertaken to identify the major noise generating sources in the area. The noise survey was conducted to assess the background noise levels in different zones. Ambient noise quality standards has different noise levels for different zones viz. industrial, commercial, and residential and silence zones. Map showing Locations of Ambient Noise Monitoring Sites is represented in Figure 3.5 and also attached as *Annexure-XI (b)*. Photographs of Ambient Noise Monitoring for the month of March, April and May 2023 is presented in Figure 3.6 (a) (b) & (c). Seven sampling locations were selected for the sampling of noise levels which are basically residential areas, commercial and silence zone.

(Ref: Principal Rules published in the Gazette of India, vide S.O. 123(E), dated 14.2.2000 and subsequently amended vide S.O. 1046(E), dated 22.11.2000, S.O. 1088(E), dated 11.10.2002, S.O. 1569 (E), dated 19.09.2006 and S.O. 50 (E) dated 11.01.2010 under the Environment (Protection) Act, 1986.)

The sampling locations are given in Table-3.4.

Table 3.4: Noise level Monitoring Locations in the Study Area

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

| S. No. | Location Name | Distance (KM) | Direction | Land use / Land cover | Latitude | Longitude |
|-----------|---|------------------|-----------|--------------------------|---------------|---------------|
| NQ1 | Project site | 0 | 0 | Industrial Area | 28°12'9.69"N | 77°15'40.39"E |
| NQ2 | Shri Vishwakarma Skill University | 2.4 | ESE | Silent Area | 28°11'55.53"N | 77°17'13.80"E |
| NQ3 | B M Model School Dudhola, Palwal | 0.57 | NE | Silent Area | 28°12'32.17"N | 77°15'56.84"E |
| NQ4 | Arogyam | 2.4 | WNW | Commercial Area | 28°12'47.53"N | 77°14'10.71"E |
| NQ5 | B P Mushrom Farm, Dhatir | 1.04 | W | silent Area | 28°12'22.87"N | 77°14'56.03"E |
| NQ6 | MS Hospital Dhatir | 1.99 | SW | Residential Area | 28°11'22.59"N | 77°14'43.21"E |
| NQ7 | Bharat Public School, Dudhola | 1.6 | SE | Residential Area | 28°11'39.89"N | 77°16'37.86"E |

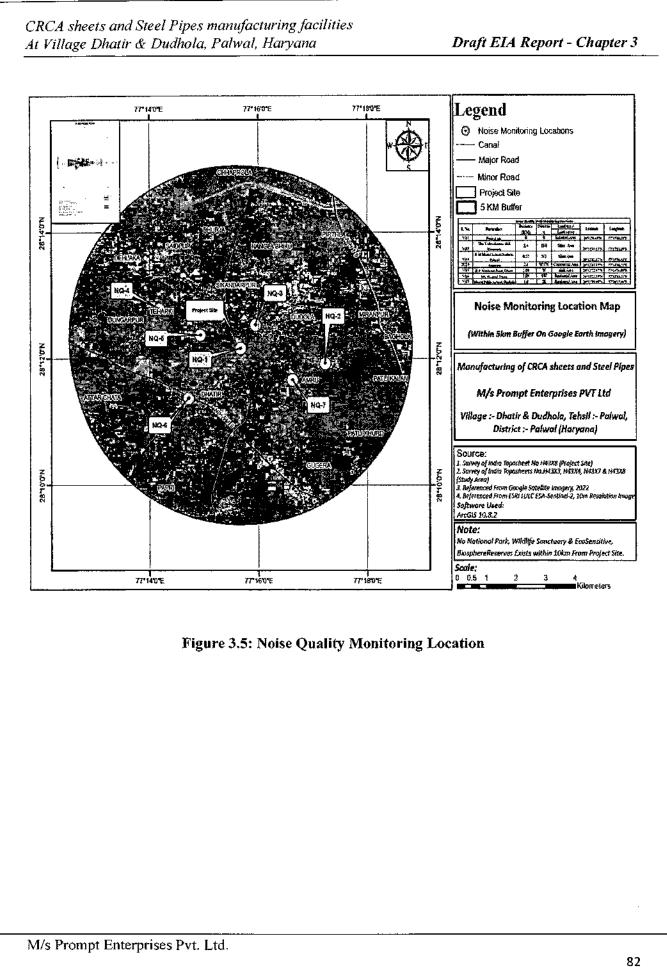
The status of noise quality within the 10 km zone of the study area is, therefore, within the CPCB standards.

Note:

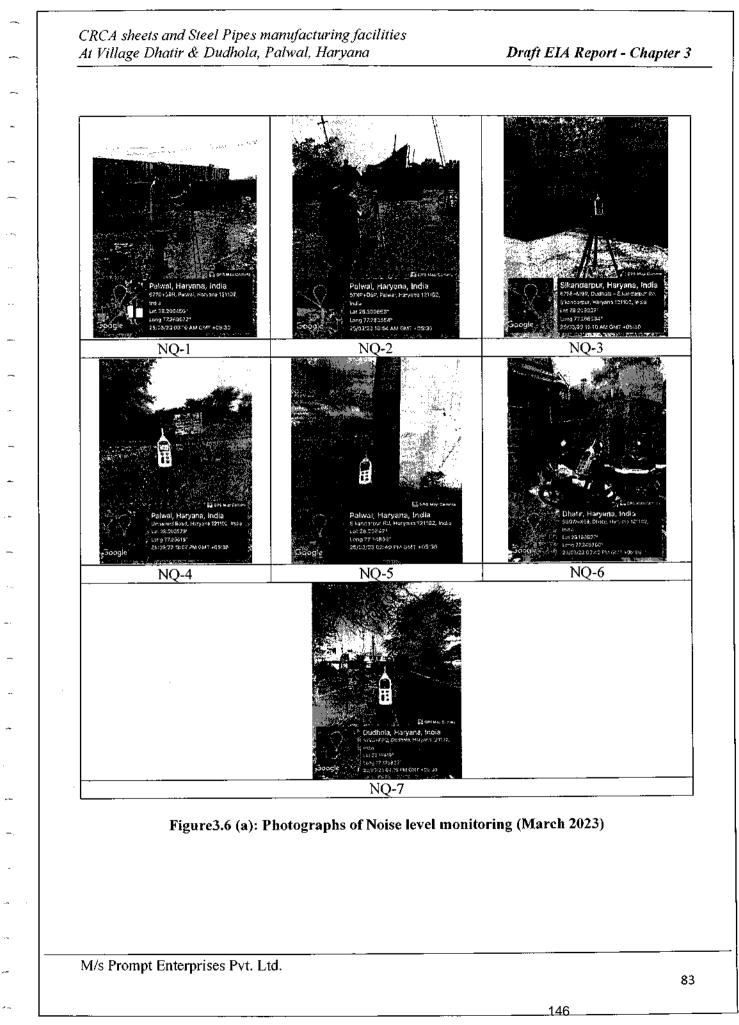
- 1. Daytime is from 6.00am to 10.00 pm and Nighttime is from 10.00 pm to 6.00 am.
- Silence zone is defined as area up to 100 meters around premises of hospitals, educational institutions and courts. Use of vehicle hours, loud speakers and bursting of crackers are banned in these zones.

144

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



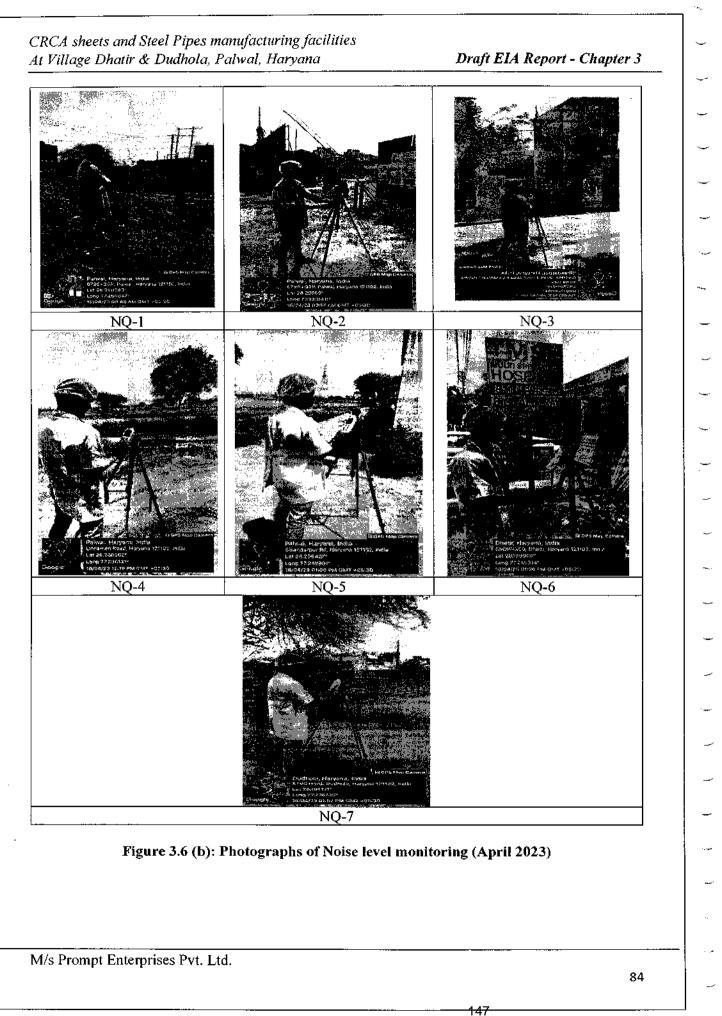
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br

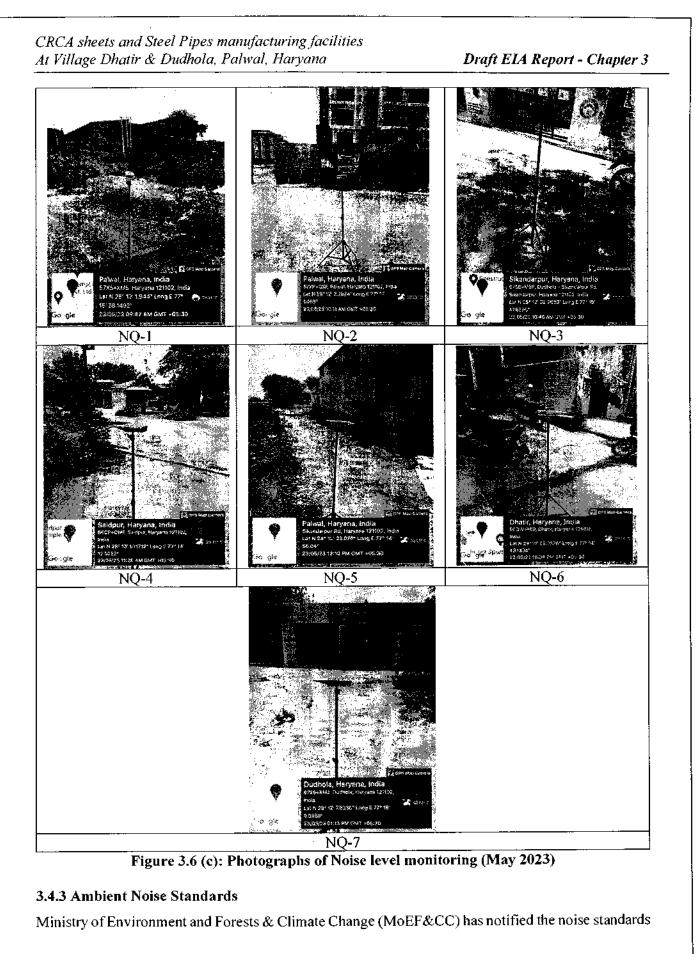


Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br





M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

vide gazette notification dated February 14th, 2000 and its amendments for different zones under the Environment Protection Act (1986). These standards are given in **Table 3.5**.

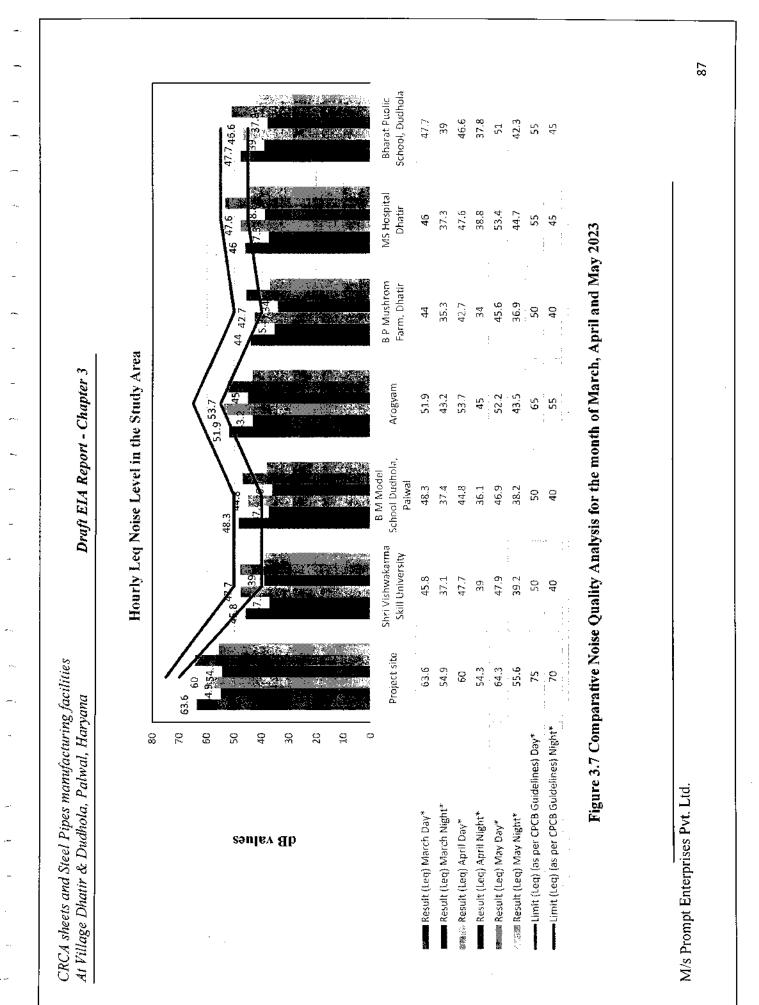
3.4.4 Results and Discussion

The noise data compiled on noise levels during the study period is given in **Table 3.5**. Test reports of Ambient Noise Quality is attached as *Annexure-XII*.

Table 3.5: Noise Level Monitoring Results Values for the Period of March to May 2023

| S. No. | Particulars | Land use / Land cover | (as pe | t (Leq) r CPCB elines) | | lt (Leq) arch | | t (Leq) pell | | t (Leg) lay |
|-----------|--|--------------------------|--------|------------------------------|------|------------------|------|-----------------|------|----------------|
| | | | Day* | Night* | Day* | Night* | Day* | Night* | Day* | 'Night* |
| NQ1 | Project site | Industrial Area | 75 | 70 | 63.6 | 54.9 | 60 | 54.3 | 64.3 | 55.6 |
| NQ2 | Shri Vishwakarma Skill University | Silent Area | 50 | 40 | 45.8 | 37.1 | 47.7 | 39 | 47.9 | 39.2 |
| NQ3 | B M Model School Dudhola, Palwal | Silent Area | 50 | 40 | 48.3 | 37.4 | 44.8 | 36.1 | 46.9 | 38.2 |
| NQ4 | Arogyam | Commercial Area | 65 | 55 | 51.9 | 43.2 | 53.7 | 45 | 52.2 | 43.5 |
| NQ5 | B P Mushrom Farm, Dhatir | silent Area | 50 | 40 | 44 | 35.3 | 42.7 | 34 | 45.6 | 36.9 |
| NQ6 | MS Hospital Dhatir | Residential Area | 55 | 45 | 46 | 37.3 | 47.6 | 38.8 | 53.4 | 44.7 |
| NQ7 | Bharat Public School, Dudhola | Residential Area | 55 | 45 | 47.7 | 39 | 46.6 | 37.8 | 51 | 42.3 |

M/s Prompt Enterprises Pvt. Ltd.



150

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3+91551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

Comparative Noise Quality analysis for the month of March, April and May is shown in the Figure 3.7. The source of air pollution the region are domestic activities, Industrial activities and vehicular traffic. It was observed that the night time Leq (Ln) varies from 34.0 to 55.6 dB (A) and the daytime Leq (Ld) varies from 44.0 to 64.3 dB (A) within the study area.

Minimum noise level were recorded for the B P Mushroom Farm located at 1.04 km in the W direction from the project site. Low noise level is due to absence of any industrial activity in the area. Maximum noise level were found at the project site as it is an industrial area. Range of noise level were recorded at the project site is 54.3-64.3 dB.

3.4.5 Conclusion: As all the monitoring locations are near the city area, the noise levels are mainly due to vehicular movement and industrial activities in the region. Noise level recorded in the study area are within the CPCB standard limits.

3.5 Water Environment 3.5.1 Water Quality

Water quality assessment is one of the essential components of EIA study. Such assessment helps in evaluating the existing health of water body and suggesting appropriate mitigation measures to minimize the potential impact from development projects. Water quality of ground water has been studied in order to assess proposed water-uses in construction, drinking, cooling and horticulture purpose.

The water quality at the site and other locations within the 10 km impact study zone was monitored during the study period from March 2023 to May 2023. Map showing Locations of water monitoring are represented in Figure 3.8 & Annexure –XI (c) and the test reports of water quality are attached as Annexure XII. The surface water quality is compared with CPCB water quality criteria mentioned in Table 3.6. The groundwater & surface water monitoring locations are mentioned in Table 3.7. Photographs of Ground water monitoring in the March, April and May 2023 are represented in Figure 3.9(a) (b) &(c), respectively. Photographs of Surface water monitoring for the month March, April and May 2023 are represented in Figure 3.10(a) (b) &(c), respectively.

The result of the monitoring and analysis of groundwater and surface water is presented in the **Table 3.8** & **Table 3.9** respectively.

3.5.2 Sampling Frequency and Sampling Techniques

M/s Prompt Enterprises Pvt. Ltd.

451

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

Parameters for analysis of water quality were selected based on the utility of the particular source of water as per MoEF&CC guidance. Hence quality of ground water was compared with IS: 10500: 1991 (Reaffirmed 1993 With Amendment NO -3 July 2010) for drinking purposes. Surface water quality was analyzed for parameters as mentioned in the 'Methods of Monitoring & Analysis published by CPCB (in Annexure –IV of CPCB guidelines)' and it was rated according to the CPCB Water Quality Criteria against A, B, C, D & E class of water based on parameters identified in the criteria. Water samples were collected as Grab water sample from sampling location in a 5 liter plastic jerry can and 250 ml sterilized clean glass/pet bottle for complete physio-chemical and bacteriological tests respectively. The samples were analyzed as per standard procedure / method given in IS: 3025 (Revised Part) and standard method for examination of water and wastewater Ed. 21st, published jointly APHA, AWWA and WPCF.

| Designated-Best-Use | Class of water | Criteria |
|--|-------------------|---|
| Drinking Water Source without conventional treatment but after disinfection | A | Total Coli-forms Organism MPN/100ml shall be 50 or less pH between 6.5 and 8.5 Dissolved Oxygen 6mg/l or more Biochemical Oxygen Demand 5 days 20°C 2mg/l or less |
| Outdoor bathing (Organized) | В | Total Coli-forms Organism MPN/100ml shall be 500 or less; pH between 6.5 and 8.5; Dissolved Oxygen 5mg/l or more Biochemical Oxygen Demand 5 days 20°C 3mg/l or less |
| Drinking water source after conventional treatment and disinfection | С | Total Coli-forms Organism MPN/100ml shall be 5000 or less; pH between 6 to 9; Dissolved Oxygen 4mg/l or more Biochemical Oxygen Demand 5 days 20°C 3mg/l or less |
| Propagation of Wild life and Fisheries | D | pH between 6.5 to 8.5 Dissolved Oxygen 4mg/l or more Free Ammonia (as N) 1.2 mg/l or less |
| Irrigation, Industrial Cooling, Controlled Waste disposal | Е | pH between 6.0 to 8.5 Electrical Conductivity at 25°C micro mhos/cm Max.2250 Sodium absorption Ratio Max. 26 Boron Max. 2mg/l |
| | Below-E | Not Meeting A, B, C, D & E Criteria |

Table 3.6: Water Quality Criteria as per Central Pollution Control Board

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 3

As per the standard practice, one sample from each station was taken thrice in a season in the study period. Sampling was done by standard sampling technique as per the Standard Methods. Necessary precautions were taken for preservation of samples.

| · · · | | | Ground W | ater | | |
|--------|---|------------------|-----------|---------------------|---------------|---------------|
| S. No. | Particulars | Distance (KM) | Direction | Landuse | Latitude | Longitude |
| GWQ1 | Project Site | 0 | 0 | Industrial Area | 28°12'9.69"N | 77°15'40.39"E |
| GWQ2 | Shri Vishwakarma Skill University | 2.4 | ESE | Silent Area | 28°11'55.53"N | 77°17'13.80"E |
| GWQ3 | B M Model School Dudhola, Palwal | 0.57 | NE | Silent Area | 28°12'32.17"N | 77°15'56.84"E |
| GWQ4 | B P Mushrom Farm, Dhatir | 1.04 | W | Residential Area | 28°12'22.87"N | 77°14'56.03"E |
| GWQ5 | Shiv Ram Mandir | 2.1 | NNW | Silent Area | 28°13'22.72"N | 77°14'57.25"E |
| GWQ6 | MS Hospital Dhatir | 1.99 | SW | Residential Area | 28°11'22.59"N | 77°14'43.21"E |
| | L | SI | URFACE W | ATER | | |
| S. No. | Particulars | Distance (KM) | Direction | Landuse | Latitude | Longitude |
| SWQ1 | Baba Saidpur wale Temple Pond | 2.8 | NW | Surface Water | 28°13'18.10"N | 77°14'12.08"E |
| SWQ2 | Dhatir Pond | 1.5 | WSW | Surface Water | 28°11'38.34"N | 77°14'49.95"E |
| SWQ3 | Dudhola Pond | 0.5 | NE | Surface Water | 28°12'29.15"N | 77°15'59.05"E |
| SWQ4 | Pokhar wala Mandir Pond | 3.2 | wsw | Surface Water | 28°12'18.94"N | 77°13'37.63"E |
| SWQ5 | Nallah | 0.078 | S | upstream | 28°12'23.76"N | 77°15'31.68"E |
| SWQ6 | Nallah | 0.12 | Ň | down stream | 28°12'2.34"N | 77°15'38.96"E |

Table 3.7: Groundwater & Surface Water Quality Monitoring Locations

M/s Prompt Enterprises Pvt. Ltd.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br

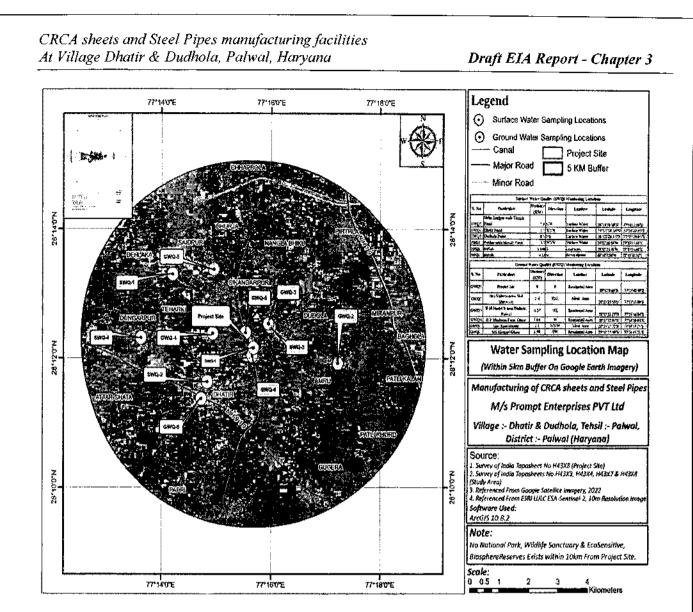
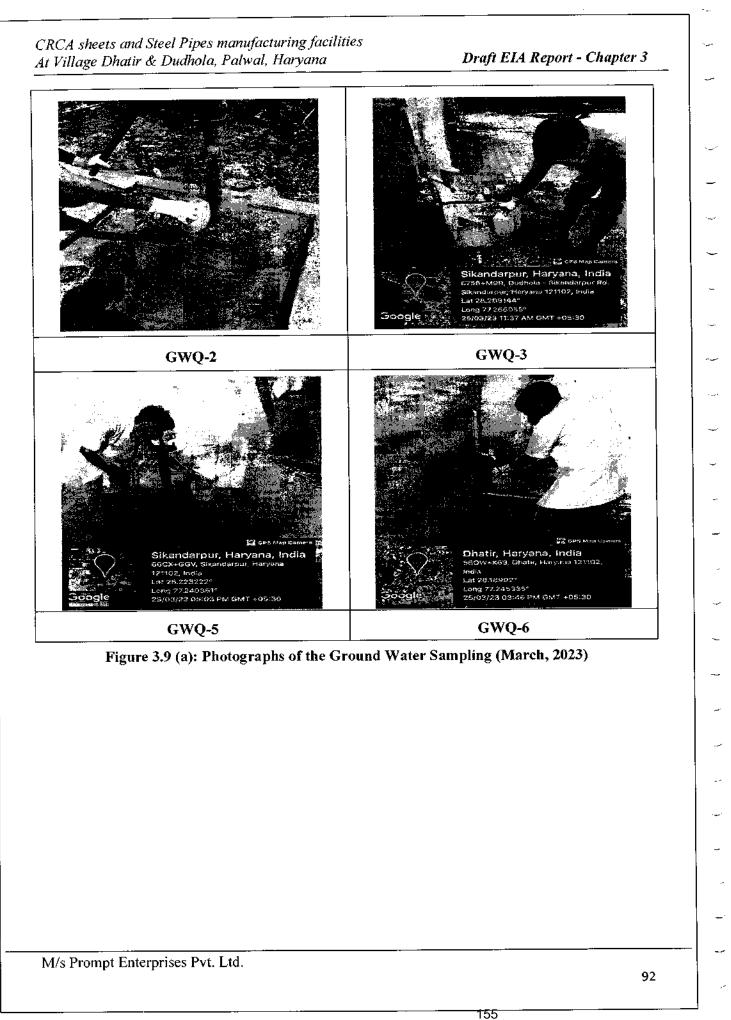


Figure 3.8: Water Quality Monitoring Location

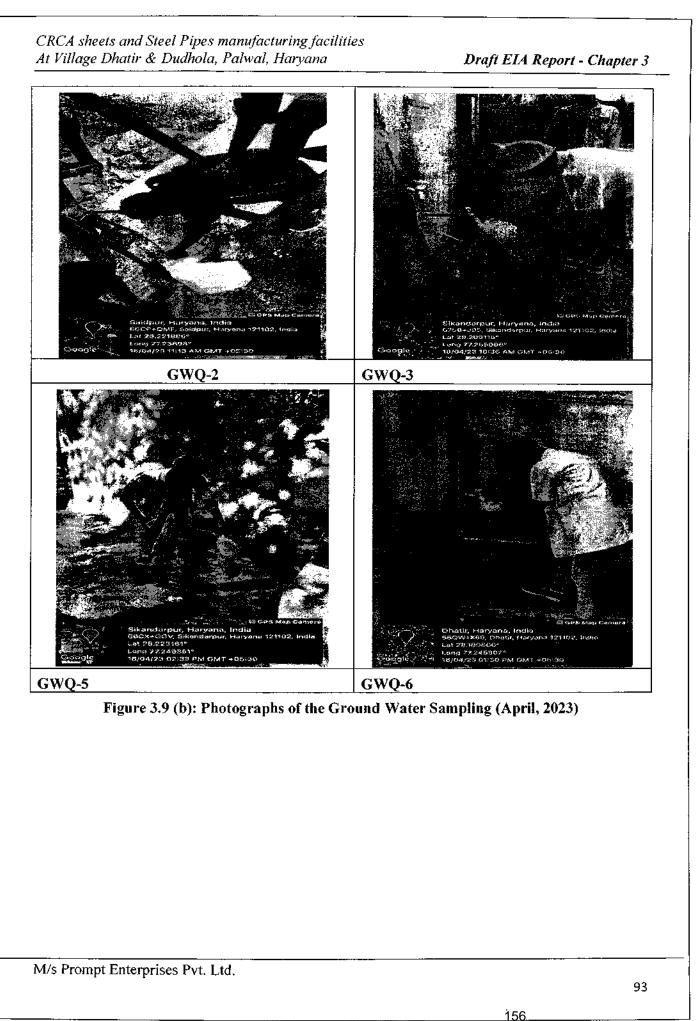
M/s Prompt Enterprises Pvt. Ltd.

91

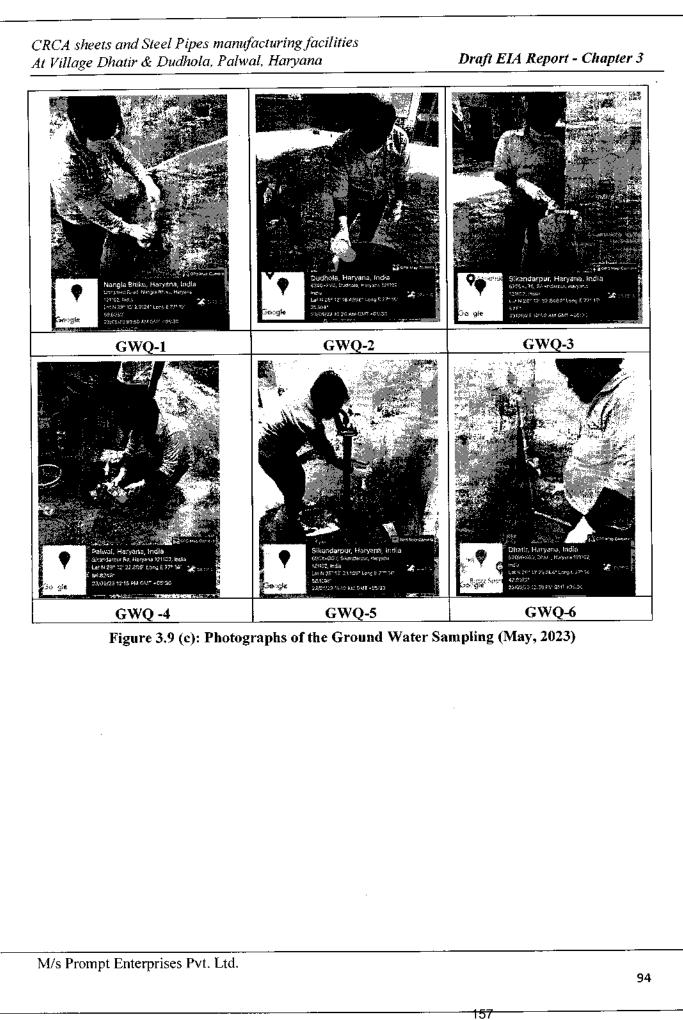
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

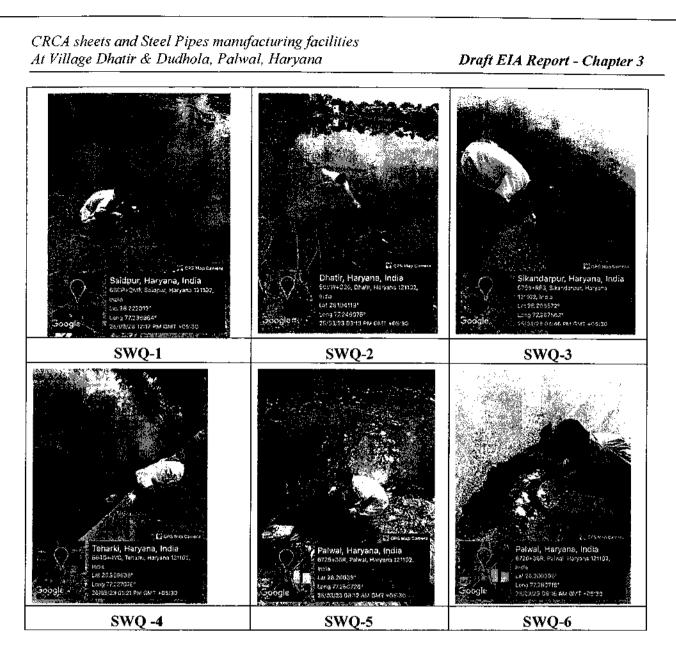


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

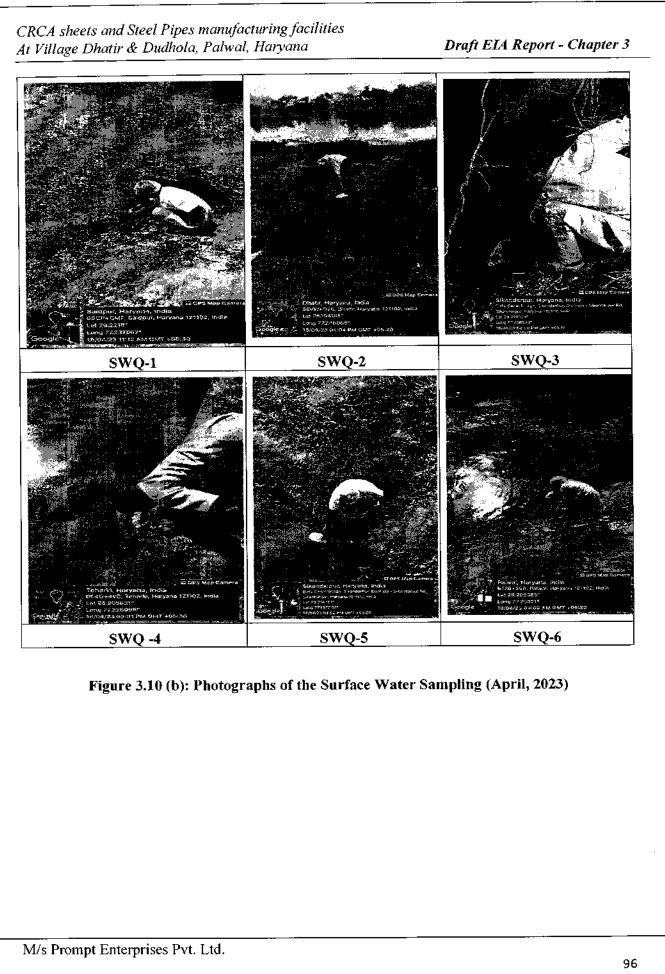






M/s Prompt Enterprises Pvt. Ltd.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



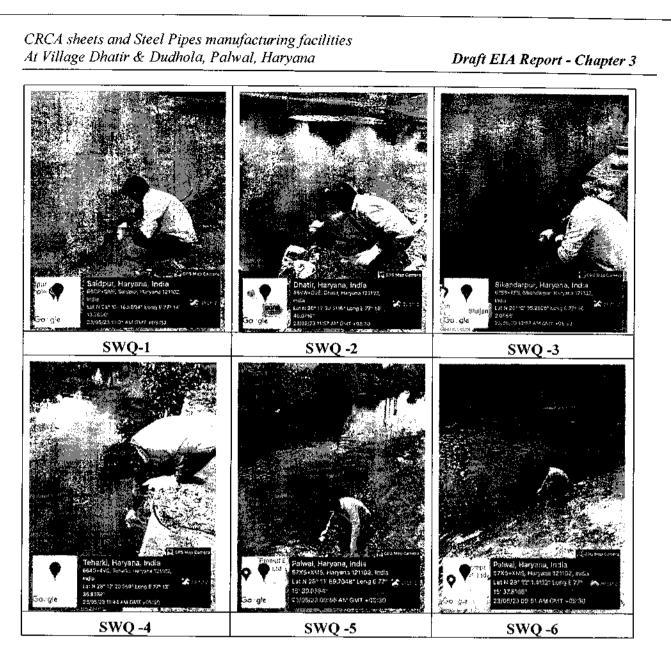


Figure 3.10 (c): Photographs of the Surface Water Sampling (May, 2023)

3.5.3 Water Quality Monitoring Results

The water quality in the study area was assessed through physio-chemical and bacteriological analysis of ground and surface water samples. The results were compared with drinking water quality standards specified in IS: 10500. The groundwater analysis results for the month of March, April and May are given in Table 3.8 (a), (b) & (c) and Figure 3.11(a), (b) & (c) and surface water analysis results for the month of March, April and May are given in Table 3.8 (a), April and May are given in Table 3.8 (c), April and May are given in Table 3.9(a), (b) & (c) and Figure 3.12 (a), (b) & (c), respectively below.

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA

| ù | ļ |
|----------|---|
| Chapter | |
| Report - | |

2

| č |
|----------------------------------|
| È |
| The second strate of Manual 2012 |
| 5 |
| 5 |
| 1 |
| - |
| 2 |
| Ę |
| į |
| 1 |
| - |
| |
| |
| |
| |
| i |
| ¢ |
| |
| |
| • |
| |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | | <u>Table 3</u> | <u>.8 (a): Resu</u> | lt of Ground w | Table 3.8 (a): Result of Ground water Quality analysis values for the Month of March 2023 | s values to | r the Mont | <u>h ot Marcn</u> | C707 | | |
|-----|----------------------------------|-----------------|--------------------------|--|---|-------------|---------------------|---|-----------|-------------|-----------|
| 5 | E | | Specif | Specification/ Limit | T and Mathad | - mo | CW.2 | CW.3 | GW-4 | GW-5 | GW-6 |
| No. | I est Parameter | | (As per IS: Desirable | (As per IS:10500: 2012) Desirable Permissible | nolltatki 15 3 T | | | | | , :) | |
| - | Temperature | °C | Not Specified | Not Specified | APHA 2550-B | 26.5 | 26.3 | 26 | 27.4 | 26 | 28.1 |
| | Colour | Hazen | 5 | 15 | APHA 2120-B | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| m | Odour | Qualitativ e | Agreeable | Agreeable | APHA 2150-B | Agreeable | Agreeable | Agreeable Agreeable Agreeable Agreeable | | Agreeable | Agreeable |
| 4 | Taste | Qualitativ e | Agreeable | Agreeable | APHA 2160-C | Agreeable | Agreeable Agreeable | Agreeable | Agreeable | Agreeable | Ag |
| 15 | Hd | | 6.5 - 8.5 | No relaxation | APHA 4500-H+ | 7.33 | 7.36 | 7.3 | 7.37 | 7.32 | 7.37 |
| 10 | Turbidity | NTU | | 5 | APHA 2130-B | <1.0 | <1.0 | 0.1> | <1.0 | <1.0 | 0.1> |
| ~ | Total Dissolved Solids, | s, mg/L | 500 | 2000 | APHA 2540-C | 403.2 | 393.8 | 374.5 | 403.9 | 344.8 | 412.7 |
| ∞ | Fluoride,(F) | mg/L | | 1.5 | APHA 4500:(F-)-D | 0.16 | 0.21 | 0.18 | 0.2 | 0.17 | 0.16 |
| n o | Total Alkalinity, (CaCO3) | mg/L | 200 | 600 | APHA 2320-B | 183.3 | 184 | 189.8 | 191.6 | 183 | 206.4 |
| 10 | Total Hardness, (CaCO3) | mg/L | 200 | 600 | APHA 2340-C | 117.3 | 132.5 | 138.7 | 140 | 153.7 | 162.1 |
| = | Calcium, (Ca) | mg/L | 75 | 200 | APHA 3500:(Ca)-B | 40.8 | 41.9 | 42.7 | 43.1 | 43.3 | 41.1 |
| 2 | Chloride,(Cl) | mg/L | 250 | 1000 | APHA 4500:(Cl-)-B | 74.8 | 75.1 | 74.5 | 75.2 | 69.5 | 75.2 |
| 1 | Magnesium.(Mg | J/gm | 30 | 100 | APHA 3500:(Mg)-B | 3.65 | 6.67 | 7.67 | 7.74 | 10.89 | 14.3 |
| 4 | | mg/L | 45 | No relaxation | APHA 4500:(NO3-)- B | 1.26 | 1.25 | 1.26 | 1.42 | 1.44 | 1.27 |
| | M/s Prompt Enterprises Pvt. Ltd. | Pvt. Ltd. | | | | | | | | I | 98 |

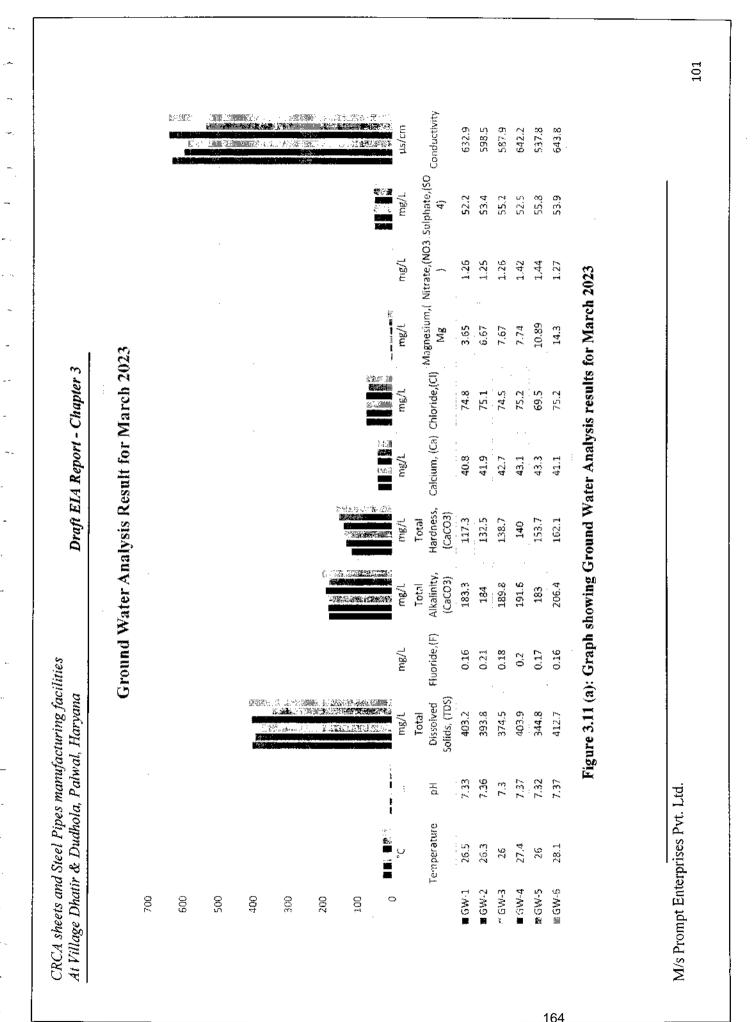
| ŝ | Sulphate.(SO4) | me/l. | 200 | 400 | АРНА 4500-(SO4)-F | 6 63 | 53 4 | 557 | 5 65 | \$5.8 | 63 O |
|------|-------------------------------|--------------|------------------|--------------------------------|-------------------|---------|---------|---------|---------|---------|---------|
| 16 | Boron.(B) | me/L | 0.5 | | APHA 4500 (B)-C | <0.01 | 10.0 > | < 0.01 | < 0.01 | <0.01 | 100 > |
| 1 | Aluminium,(Al) | mg/L | 0.03 | 0.2 | APHA-3120B | < 0.01 | 10.0 > | < 0.01 | < 0.01 | < 0.01 | 10:0 × |
| 18 | Arsenic,(As) | mg/L | 0.01 | No relaxation | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 19 | Cadmium,(Cd) | mg/L | 0.003 | No relaxation | APHA 3120B | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| 20 | Chromium,(Cr) | mg/L | 0.05 | No relaxation | APHA-3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 51 | Copper,(Cu) | J/gm | 0.05 | 1.5 | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.0] |
| 2 | Iron,(Fe) | mg/L | 1 | No relaxation | APHA-3120B | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 | < 0.05 |
| 23 | Lead,(Pb) | mg/L | 10.0 | No relaxation | APHA-3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 24 | Manganese,(Mn) | ug/L | 0.1 | 0.3 | APHA-3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 25 | Mercury,(Hg) | ∭mg/L | 0.001 | No relaxation | APHA-3114C | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| 26 | Selenium,(Se | mg/L | 0.01 | No relaxation | APHA-3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| | Zinc,(Zn) | mg/L | 5 | 15 | APHA-3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 28 | Anionic Detergent,(MBAS) | mg/L | 0.2 | 1 | APHA 5540-C | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 29 | Mineral Oil | mg/L | 0.5 | No relaxation | IS 3025 (Part-39) | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 |
| 30 (| Phenolic Compound,(C6H5OH) | mg/L | 0.001 | 0.002 | APHA 5530-C | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| 31 | Conductivity | μs/cm | Not Specified | Not Specified Not Specified | APHA 2510-B: | 632.9 | 598.5 | 587.9 | 642.2 | 537.8 | 643.8 |
| 32 | Total Coliform Count | per 100mL | Shall not | Shall not be detectable | IS 15185 | Absent | Absent | Absent | Absent | Absent | Absent |
| 33 | Escherichia coli | per 100mL | Shall not | Shall not be detectable | IS 15185 | Absent | Absent | Absent | Absent | Absent | Absent |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

F

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | 100 |
|--|----------------------------------|
| | |
| Draft EIA Report - Chapter 3 | |
| CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | M/s Prompt Enterprises Pvt. Ltd. |



No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

٢

| E N | At Village Dhatir & Dudhola, Palwal, Haryana Tohlo 3 8 (ا)، Result of C | a, Palwal, H Pable 3 8 fb | aryana V. Result of G | round water | u, r anwa, ma yana Tahla 3.8 (h): Result of Ground water Onality analysis values for the Month of Anril 2023 | is values fo | or the Mon | th of Anril | 2023 | | |
|------|--|------------------------------|------------------------------|--|---|--------------|---------------------|-------------|-----------|-----------|-----------|
| ſ | • | ד מועה איט או | TO TIMENT OF | | | | | | | | |
| S NC | Test Parameter | Unit | Specif Li (As per IS:1 | Specification/ Limit (As per IS:10500: 2012) | Test Method | GW-1 | GW-2 | GW-3 | GW-4 | GW-5 | GW-6 |
| | | | Desirable | Permissible | | | | | | | |
| - | Temperature | °C | Not Specified | Not Specified | Not SpecifiedNot Specified APHA 2550-B | 26.3 | 26.1 | 25.8 | 27.2 | 25.8 | 27.9 |
| 17 | Colour | Hazen | 5 | 15 | APHA 2120-B | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| 3 | Odour | Qualitative | Agreeable | Agreeable | APHA 2150-B | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| 4 | Taste | Qualitative | Agreeable | Agreeable | APHA 2160-C Agreeable | Agreeable | Agreeable Agreeable | | Agreeable | Agreeable | Agreeable |
| 5 | Hq | | 6.5 - 8.5 | No relaxation | APHA 4500- H+ | 7.27 | 7.3 | 7.24 | 7.31 | 7.26 | 7.31 |
| 6 | Turbidity | NTU | 1 | 5 | APHA 2130-B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 7 | Total Dissolved Solids, (TDS) | , mg/L | 500 | 2000 | APHA 2540-C | 399.9 | 390.6 | 371.4 | 400.6 | 341.9 | 409.4 |
| 8 | Fluoride,(F) | mg/L | | 1.5 | APHA 4500:(F-)-D | 0.16 | 0.2 | 0.18 | 0.2 | 0.17 | 0.16 |
| 6 | Total Alkalinity, (CaCO3) | mg/L | 200 | 600 | APHA 2320-B | 181.8 | 182.5 | 188.2 | 190.1 | 181.5 | 204.7 |
| 01 | Total Hardness, (CaCO3) | mg/L | 200 | 600 | APHA 2340-C | 116.3 | 131.4 | 137.6 | 138.9 | 152.5 | 160.8 |
| = | Calcium, (Ca) | mg/L | 75 | 200 | APHA 3500:(Ca)-B | 40.5 | 41.5 | 42.4 | 42.8 | 43 | 40.7 |
| 12 | Chloride,(Cl) | mg/L | 250 | 1000 | APHA 4500:(Cl-)-B | 74.2 | 74.5 | 73.8 | 74.6 | 69 | 74.6 |
| 13 | Magnesium,(Mg | mg/L | 30 | 100 | APHA 2500-042 | 3.62 | 6.61 | 7.6 | 7.68 | 10.8 | 14.2 |

165

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

ſ

| | 1.26 | 53.5 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | 103 |
|--|-----------------------------|----------------------|--------------------|----------------|--------------------------|--------------------------|--------------------------|-----------------|--------------------------|--------------------------|----------------|--------------------------|--------------------------|------------|-----------------------------|-----------------------|----------------------------------|
| | 1.42 | 55.3 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | I |
| | 1.41 | 52 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | 10'0 > | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | |
| | 1.25 | 54.7 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | |
| pter 3 | 1.24 | 52.9 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | |
| sport - Cha | 1.25 | 51.8 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | |
| Draft EIA Report - Chapter 3 | APHA 500:(NO3-)-B | APHA 4500:(SO4)-E | APHA 4500:(B)-C | APHA-3120B | APHA 3120B | APHA 3120B | APHA-3120B | APHA 3120B | APHA-3120B | APHA-3120B | APHA-3120B | APHA-3114C | APHA-3120B | APHA-3120B | APHA 5540-C | IS 3025 (Part- 39) | |
| | No relaxation 4500:(NO3-)-B | 400 | 1 | 0.2 | No relaxation APHA 3120B | No relaxation APHA 3120B | No relaxation APHA-3120B | 1.5 | No relaxation APHA-3120B | No relaxation APHA-3120B | 0.3 | No relaxation APHA-3114C | No relaxation APHA-3120B | 15 | 1 | No relaxation | |
| ng facilities ryana | 45 | 200 | 0.5 | 0.03 | 0.01 | 0.003 | 0.05 | 0.05 | | 0.01 | 0.1 | 0.001 | 0.01 | 5 | 0.2 | 0.5 | |
| manufacturi Palwal, Ha | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L | mg/L | mg/L | mg/L | mg/L | Ltd. |
| CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Nitrate,(NO3) | Sulphate, (SO4) | Boron,(B) | Aluminium,(Al) | Arsenic,(As) | Cadmium,(Cd) | Chromium,(Cr) | Copper, (Cu) | Iron,(Fe) | Lead,(Pb) | Manganese,(Mn) | Mercury,(Hg) | Selenium,(Se | Zinc,(Zn) | Anionic Detergent,(MBAS) | Mineral Oil | M/s Prompt Enterprises Pvt. Ltd. |
| CRCA At Vill | 14 | 15 | 16 | 17 | 8 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | M/s Pı |

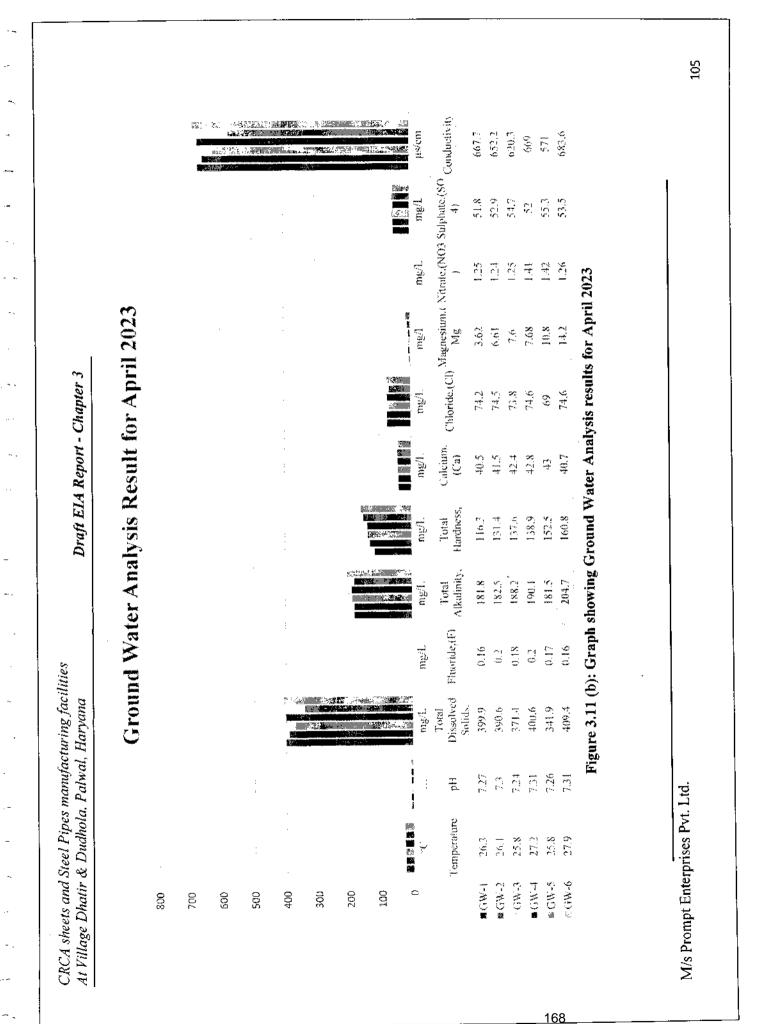
Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| 30 Cc 31 33 33 33 33 33 33 33 33 33 33 33 33 3 | Phenolic Compound,(C6H5OH) Conductivity Total Coliform Count | - | | | | | | | | | |
|---|---|-----------|---------------|-------------------------|---|---------|---------|---------|---------|---------|---------|
| | | mg/L | 0.001 | 0.002 | APHA 5530-C | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 |
| | | μs/cm | Not Specified | Not Specified | Not Specified Not Specified APHA 2510-B | 667.7 | 652.2 | 620.3 | 699 | 571 | 683.6 |
| | | per 100mL | Shall not be | Shall not be detectable | IS 15185 | Absent | Absent | Absent | Absent | Absent | Absent |
| | Escherichia coli | per 100mL | Shall not be | Shall not be detectable | IS 15185 | Absent | Absent | Absent | Absent | Absent | Absent |
| | | | | | | | · | | | | |
| Pro | M/s Prompt Enterprises Pvt. Ltd. | Ltd. | | | | | | | | 1 | 104 |

167

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br

| | | Table 3.8 (c): Resu | <u>Table</u> 3 | .8 (c): Res | Table 3.8 (c): Result of Ground | d water Ouality analysis values for the Month of May 2023 | i <u>is values f</u> o | vr the Mont | h of May 2(| 023 | | |
|---|------|----------------------------------|----------------|------------------|---------------------------------|---|------------------------|-------------|-------------|-----------|-----------|-----------|
| Test ParameterUnit(As Per IS: 10500: 2012)Test MethodGW-1GW-2GW-3DesirationDesirationPermissiblePermissiblePermissibleGW-1GW-2GW-3Temperature $^{\circ}$ CNotNotNotAPHA 2550-B26.626.426.1ColourHazen $^{\circ}$ CSpecifiedSpecifiedAPHA 2150-B4.626.426.1ColourHazen $^{\circ}$ CSpecifiedAPHA 2150-B4.6 $^{\circ}$ C $^{\circ}$ CColourQualitative AgreeableAgreeableAPHA 2160-CAgreeableAgreeableAgreeableTasteQualitative AgreeableAgreeableAPHA 2160-CAgreeableAgreeableAgreeablePH $^{\circ}$ SNo relaxationAPHA 2160-CAgreeableAgreeableAgreeablePH $^{\circ}$ SNo relaxationAPHA 2160-CAgreeableAgreeableAgreeablePH $^{\circ}$ SNo relaxationAPHA 2160-CAgreeableAgreeableAgreeablePH $^{\circ}$ SNTU15APHA 2160-C404.37.32TurbidityNTU1500APHA 2130-B<1.0<1.0<1.0Colad Dissolvedmg/L1115APHA 2540-C404.3394.8404.8Turbiditymg/L111110.160.1010.18Turbid Hadness,mg/L200APHA 2540-C4 | | | | Speci | fication/ imit | | | | | | | |
| Desira bleDesira blePermissiblePermissibleTemperature $^{\circ}$ CNot bleNotAPHA 2550-B26.626.426.1Temperature $^{\circ}$ CSpecifiedSpecifiedSpecifiedSpecified26.0<5.0<5.0ColourHazen515APHA 2150-B<5.0<5.0<5.0<5.0<5.0OdourQualitative AgreeableAgreeableAPHA 2150-B<5.0<5.0<5.0<5.0OdourQualitative AgreeableAgreeableAPHA 2150-B<5.0<5.0<5.0<5.0PH $^{\circ}.5$ No relaxationAPHA 2160-CAgreeableAgreeableAgreeableAgreeablePH $^{\circ}.5$ No relaxationAPHA 2130-B<1.0<1.0<1.0TurbidityNTU1 $^{\circ}.5$ No relaxationAPHA 2130-B<1.0<1.0TurbidityNTU1 $^{\circ}.5$ No relaxationAPHA 2130-B<1.0<1.0<1.0Total Dissolvedmg/L $^{\circ}.5$ NPHA 2540-C404.3 $^{\circ}.34.8$ 404.8Fluoride, (F)mg/L11.5APHA 4500:(F-)-D0.160.210.18Total Alkalinitymg/L11.5APHA 4500:(F-)-D0.160.210.18Total Alkalinitymg/L11.5APHA 4500:(F-)-D0.160.210.18Total Alkalinitymg/L11.5APHA 4500:(F-)-D0.160.21 | S No | | Unit | (As per 2(| ·IS:10500: 012) | Test Method | GW-1 | GW-2 | GW-3 | GW-4 | GW-5 | GW-6 |
| Temperature $^{\circ}$ CNot SpecifiedNot SpecifiedNot SpecifiedAPHA 2550-B26.626.426.1ColourHazen515APHA 2120-B<5.0<5.0<5.0<5.0OdourQualitativeAgreeableAgreeableAPHA 2150-BAgreeableAgreeableAgreeableTasteQualitativeAgreeableAgreeableAPHA 2150-BAgreeableAgreeableTasteQualitativeAgreeableAgreeableAPHA 2160-CAgreeableAgreeableTasteQualitativeAgreeableAgreeableAPHA 2160-CAgreeableAgreeableTasteQualitativeAgreeableAgreeableAPHA 2160-CAgreeableAgreeableTasteQualitative 6.5 -No relaxationAPHA 2160-CAgreeableAgreeablePH 6.5 -No relaxationAPHA 2160-CAgreeableAgreeableTurbidityNTU15No relaxationAPHA 2540-C404.3394.8Total Dissolvedmg/L11.5APHA 2540-C404.3394.8404.8Total Alkalinity,mg/L11.5APHA 4500:(F-)-D0.160.210.18Total Alkalinity,mg/L200600APHA 2320-B183.8184.5190.3Total Alkalinity,mg/L200600APHA 2320-B137.6137.8130.3Total Alkalinity,mg/L200600APHA 2320-C117.6132. | | | | | Permissible | | | | | | | |
| Colour Hazen 5 15 APHA 2120-B <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 <5.0 | - | Temperature | ç | Not Specified | Not Specified | APHA 2550-B | 26.6 | 26.4 | 26.1 | 27.5 | 26.1 | 28.2 |
| OdourQualitative AgreeableAgreeableApHA 2150-BAgreeableAgreeableAgreeableAgreeableTasteQualitative AgreeableAgreeableAgreeableAgreeableAgreeableAgreeableAgreeable pH 6.5 - 8.5 No relaxationAPHA 2160-CAgreeableAgreeableAgreeable pH 6.5 - 8.5 No relaxationAPHA 2160-CH 7.35 7.38 7.32 pH 8.5 NTU1 5 APHA 2130-B <1.0 <1.0 Total Dissolvedmg/L 500 2000 APHA 2130-B <1.0 <1.0 <1.0 Total Dissolvedmg/L 1 5 APHA 2130-B <1.0 <1.0 <1.0 Total Dissolvedmg/L 1 1 5 APHA 2540-C 404.3 $394.8404.8Total Dissolvedmg/L11.5APHA 2540-C404.3394.8404.8Fluoride,(F)mg/L11.5APHA 2540-C404.3394.8404.8Total Alkalinity,mg/L11.5APHA 2540-C404.3394.8404.8Total Alkalinity,mg/L11.5APHA 2540-C404.3394.8404.8Total Alkalinity,mg/L11.5APHA 2320-B183.8184.5190.3Total Alkalinity,mg/L200600APHA 2340-C117.6132.6130.3$ | 14 | Colour | Hazen | 5 | 15 | APHA 2120-B | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Taste Qualitative Agreeable Agreeable APHA 2160-C Agreeable Adreeable Adreeable Adreeable | 3 | Odour | Qualitative | Agreeable | | APHA 2150-B | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| pH $6.5 - \\ 8.5$ No relaxationAPHA 4500-H+7.357.38TurbidityNTU15APHA 2130-B<1.0 | 4 | Taste | Qualitative | Agreeable | | APHA 2160-C | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable | Agreeable |
| TurbidityNTU15APHA 2130-B<1.0<1.0Total Dissolved mg/L 500 2000 $APHA 2540-C$ 404.3 394.8 Solids, (TDS) mg/L 1 1.5 $APHA 4500.(F-)-D$ 0.16 0.21 Fluoride,(F) mg/L 1 1.5 $APHA 4500.(F-)-D$ 0.16 0.21 Total Alkalinity, mg/L 200 600 $APHA 2320-B$ 183.8 184.5 Total Hardness, mg/L 200 600 $APHA 2340-C$ 117.6 132.8 | S | Hd | : | | No relaxation | | 7.35 | 7.38 | 7.32 | 7.39 | 7.34 | 7.39 |
| Total Dissolved Solids, (TDS) mg/L 500 2000 APHA 2540-C 404.3 394.8 Fluoride, (F) mg/L 1 1.5 APHA 4500:(F-)-D 0.16 0.21 Total Alkalinity, (CaCO3) mg/L 200 600 APHA 2320-B 183.8 184.5 Total Hardness, (CaCO3) mg/L 200 600 APHA 2340-C 117.6 132.8 | 9 | Turbidity | NTU | - | 5 | APHA 2130-B | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Fluoride.(F) mg/L 1 1.5 APHA 4500:(F-)-D 0.16 0.21 Total Alkalinity, mg/L 200 600 APHA 2320-B 183.8 184.5 Total Hardness, mg/L 200 600 APHA 2340-C 117.6 132.8 | ٢ | Total Dissolved Solids, (TDS) | mg/L | 500 | 2000 | APHA 2540-C | 404.3 | 394.8 | 404.8 | 434.5 | 404.4 | 413.8 |
| Total Alkalinity, (CaCO3) mg/L 200 600 APHA 2320-B 183.8 184.5 Total Hardness, (CaCO3) mg/L 200 600 APHA 2340-C 117.6 132.8 | × | Fluoride,(F) | mg/L | 1 | 1.5 | APHA 4500:(F-)-D | 0.16 | 0.21 | 0.18 | 0.2 | 0.18 | 0.16 |
| Total Hardness, mg/L 200 600 APHA 2340-C 117.6 132.8 | 6 | Total Alkalinity, (CaCO3) | J/gm | 200 | 600 | APHA 2320-B | 183.8 | 184.5 | 190.3 | 192.1 | 183.5 | 206.9 |
| | 10 | Total Hardness, (CaCO3) | mg/L | 200 | 600 | APHA 2340-C | 117.6 | 132.8 | 139.1 | 140.4 | 154.1 | 162.6 |
| 11 Calcium, mg/L 75 200 APHA 3500:(Ca)-B 40.9 42 42.8 | 11 | Calcium, (Ca) | mg/L | 75 | 200 | APHA 3500:(Ca)-B | 40.9 | 42 | 42.8 | 43.2 | 43.5 | 41.2 |
| 12 Chloride,(Cl) mg/L 250 1000 APHA 4500:(Cl-)-B 75 75.3 74.7 | 12 | Chloride,(Cl) | mg/L | 250 | 1000 | APHA 4500:(CI-)-B | 75 | 75.3 | 74.7 | 75.4 | 69.7 | 75.4 |
| 13 Magnesium,(Mg mg/L 30 100 APHA 3500:(Mg)-B 3.66 6.69 7.69 | 13 | Magnesium,(Mg | mg/L | 30 | 100 | | 3.66 | 6.69 | 7.69 | 7.76 | 10.92 | 14.3 |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | 1.27 | 54.1 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
|--|----------------------------------|-------------------|-----------------|----------------|---------------|---------------|---------------|--------------|---------------|---------------|-----------------|---------------|---------------|------------|-----------------------------|-------------------|-----------------------------------|
| | 1.44 | 55.9 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
| | 1.42 | 52.6 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
| | 1.26 | 55.3 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
| ter 3 | 1.25 | 53.5 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
| port - Chap | 1.27 | 52.3 | < 0.01 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.05 | < 0.01 | < 0.01 | < 0.001 | < 0.01 | < 0.01 | < 0.01 | < 0.5 | < 0.001 |
| Draft EIA Report - Chapter 3 | No relaxation APHA 4500:(NO3-)-B | APHA 4500:(SO4)-E | APHA 4500:(B)-C | APHA-3120B | APHA 3120B | APHA 3120B | APHA-3120B | APHA 3120B | APHA-3120B | APHA-3120B | APHA-3120B | APHA-3114C | APHA-3120B | APHA-3120B | APHA 5540-C | IS 3025 (Part-39) | APHA 5530-C |
| | No relaxation | 400 | | 0.2 | No relaxation | No relaxation | No relaxation | 1.5 | No relaxation | No relaxation | 0.3 | No relaxation | No relaxation | 15 | 1 | No relaxation | 0.002 |
| ıl, Haryam | 45 | 200 | 0.5 | 0.03 | 0.01 | 0.003 | 0.05 | 0.05 | 1 | 0.01 | 0.1 | 0.001 | 0.01 | 5 | 0.2 | 0.5 | 0.001 |
| lhola, Palwe | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | ug/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| At Village Dhatir & Dudhola, Palwal, Haryana | Nitrate, (NO3) | Sulphate, (SO4) | Boron,(B) | Aluminium,(Al) | Arsenic,(As) | Cadmium,(Cd) | Chromium,(Cr) | Copper, (Cu) | Iron,(Fe) | Lead,(Pb) | Manganese, (Mn) | Mercury,(Hg) | Selenium,(Se | Zinc,(Zn) | Anionic Detergent,(MBAS) | Mineral Oil | Phenolic Compound,(C6H5 OH) |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3+91551/2024/Estt.Br

. --

| 645.6 | Absent | Absent | |
|--------------|--|----------------------------|----------------------------------|
| 630.9 | Absent | Absent | |
| 690.9 | Absent | Absent | |
| 635.5 | Absent | Absent | |
| 600.1 | Absent | Absent | |
| 634.7 | | Absent | |
| | | | |
| APHA 2510-B: | IS 15185 | IS 15185 | |
| Not | Specified I not be ctable | table | |
| | Specified Specified be Specified be detectable | Shall not be detectable | |
| us/cm | Ľ. | per 100mL | Pvt. Ltd. |
| Conductivity | | coli | M/s Prompt Enterprises Pvt. Ltd. |
| 31 | i | 33 E | M/s Pt |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| Ground Water Analysis Result for May 2023 Reund Water Analysis Result for May 2023 Medical Allocation Medical A |
|---|
| Total Total Makinity Hardness 42 190.3 139.1 40.4 43.2 183.5 154.1 40.4 43.5 206.9 162.6 41.2 |
| Image Image mg/L mg/L mg/L mg/L mg/L mg/L Total Total Total Total R3.8 117.6 184.5 132.8 190.3 132.8 190.3 132.8 190.3 132.4 190.3 132.6 190.3 132.6 190.3 132.6 206.9 162.6 41.2 |
| Total Total Mahinity Ilardness 42 190.3 139.1 40.4 43.2 184.5 154.1 43.5 206.9 162.6 41.2 |
| mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L Total Total Total Total 183.8 117.6 184.5 132.8 190.3 139.1 190.3 139.1 190.3 139.1 183.5 154.1 206.9 162.6 |
| Total Total Total Total Total Total Ralinity Ilardness 1 17.6 183.8 117.6 183.8 117.6 190.3 139.1 190.3 139.1 190.3 139.1 190.3 154.1 43.5 154.1 206.9 162.6 |
| Total Total Total Total Alkalinity Ilardness 183.8 117.6 184.5 132.8 190.3 139.1 190.3 139.1 183.5 154.1 206.9 162.6 |
| mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L |
| mg/L mg/L mg/L Total Total mg/L Alkalinity Hardness 40.9 183.8 117.6 40.9 184.5 132.8 42 190.3 139.1 42.8 190.3 139.1 42.8 190.3 134.1 43.2 183.5 154.1 43.5 206.9 162.6 41.2 |
| TotalTotalTotalAlkalinityHardness,Calcium,183.8117.640.9184.5132.842190.3139.142.8190.3139.142.8190.3139.143.2183.5154.143.5206.9162.641.2 |
| 0.16 183.8 117.6 40.9 75 3.66 1.27 52.3 0.21 184.5 132.8 42 75.3 6.69 1.25 53.5 0.21 184.5 132.8 42 75.3 6.69 1.25 53.5 0.21 184.5 132.8 42.8 74.7 7.69 1.26 55.3 0.2 192.1 140.4 43.2 75.4 7.76 1.42 52.6 0.18 183.5 154.1 43.5 69.7 10.92 1.44 55.9 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| 0.21 184.5 132.8 42 75.3 6.69 1.25 53.5 0.18 190.3 139.1 42.8 74.7 7.69 1.26 55.3 0.2 192.1 140.4 43.2 75.4 7.76 1.42 52.6 0.18 183.5 154.1 43.2 75.4 7.76 1.42 52.6 0.16 206.9 162.6 41.2 75.4 10.92 1.44 55.9 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| 0.18 190.3 139.1 42.8 74.7 7.69 1.26 55.3 0.2 192.1 140.4 43.2 75.4 7.76 1.42 52.6 0.18 183.5 154.1 43.2 75.4 7.76 1.42 52.6 0.18 183.5 154.1 43.5 69.7 10.92 1.44 55.9 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| 0.2 192.1 140.4 43.2 75.4 7.76 1.42 52.6 0.18 183.5 154.1 43.5 69.7 10.92 1.44 55.9 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| 0.18 183.5 154.1 43.5 69.7 10.92 1.44 55.9 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| 0.16 206.9 162.6 41.2 75.4 14.3 1.27 54.1 |
| |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

-

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report - Chapter3

Result of Ground Water Analysis

The Comparative result obtained for ground water quality of collected ground water samples for the

month of March, April and May 2023 is given in the Table 3.8 (a), (b) and (c), respectively.

- The total dissolved solids were observed in the range 363.7 to 483.6 mg/l.
- The total hardness, as CaCO₃ was observed in the range of 132.2 to 161.8 mg/l.
- The concentrations of calcium observed in the range 40.7 to 43.3 mg/l, which is within the limit of 200 mg/l.
- The concentration of chloride was observed in the range 69.4 to 75.1 mg/l.
- The concentrations of sulphate were observed in the range 52.1 to 55.7 mg/l, which is below the desirable limit of 200 mg/l.
- The concentrations of nitrate were observed in the range 1.2 to 1.4 mg/l.

It is, therefore, concluded that the ground water at the site is safe for use as potable water. All the parameters are within the permissible limit. There is no alternative source of drinking water. So this water can be used as drinking purpose.

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br

| | | | · · · · · · · · · · · · · · · · · · · | | | · | | | |
|---------------|---|-------------|---------------------------------------|---------------|------------------|---------------|---------------|---------------|--------------|
| <u>T</u> | able 3.9 (a): Resul | lt of Surfa | e water Qua | lity Ana | <u>ysis valu</u> | es for the | e Month | of March | 2023 |
| S. N o. | Test Method | Unit | Test Paramet er | SW-1 | SW-2 | SW-3 | SW-4 | SW-5 | SW-6 |
| 1 | Temperature | °C | APHA 2550-B | 26.4 | 26.5 | 26.7 | 26.4 | 26.6 | 26.7 |
| 2 | Colour | Hazen | APHA 2120-B | 6.28 | 7.28 | 6.28 | 7.28 | 5.28 | 7.28 |
| 3 | Odour | | АРНА 2150-В | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odour ess |
| 4 | рН | | APHA 4500-H+ | 7.28 | 7.32 | 7.37 | 7.3 | 7.34 | 7.37 |
| 5 | Total Dissolved Solids,(TDS) | mg/L | АРНА 2540-С | 597 | 625.9 | 652.2 | 587.7 | 991.6 | 1057.6 |
| 6 | Biological Oxygen Demand(BOD3d 270C) | mg/L | IS: 3025 (Part-44) | 9 | 11.2 | 7.4 | 12.6 | 45.7 | 52 |
| 7 | Chemical Oxygen Demand,(COD) | mg/L | АРНА 5220-В | 76.4 | 91.5 | 84.8 | 98.6 | 135.8 | 210 |
| 8 | Calcium,(Ca) | mg/L | APHA 3500:(Ca)-B | 58.2 | 62.9 | 51.3 | 55.3 | 110.1 | 111.8 |
| 9 | Turbidity | NTU | APHA 2130-B | 6.28 | 7.28 | 5.28 | 7.28 | 7.28 | 8.28 |
| 10 | Total Hardness,(CaCO 3) | mg/L | АРНА 2340-С | 218.4 | 229.3 | 200.9 | 209.7 | 340.7 | 345.1 |
| 11 | Dissolved Oxygen(DO) | mg/L | APHA 4500:(O) -C | 6 | 6.48 | 5.28 | 4.5 | 7.92 | 9.48 |
| 12 | Anionic Detergent,(MBA S) | mg/L | АРНА 5540-С | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 13 | Magnesium,(Mg) | mg/L | АРНА 3500:(М g)-В | 17.5 | 20.9 | 17,47 | 39.2 | 58.3 | 62.2 |
| 14 | Chloriđe,(Cl) | mg/L | APHA 4500:(Cl -)-B | 58.2 | 62.9 | 51.3 | 55.3 | 72.2 | 77.5 |
| 15 | Conductivity | µs/cm | АРНА 2510-В | 904.5 | 934.1 | 988.3 | 877.1 | 1525.6 | 1627.1 |
| 16 | Nitrate,(NO3) | mg/L | APHA 4500:(N O3-)-B | 3.31 | 3.57 | 2.91 | 3.14 | 3.77 | 4.07 |

M/s Prompt Enterprises Pvt. Ltd.

11**1**

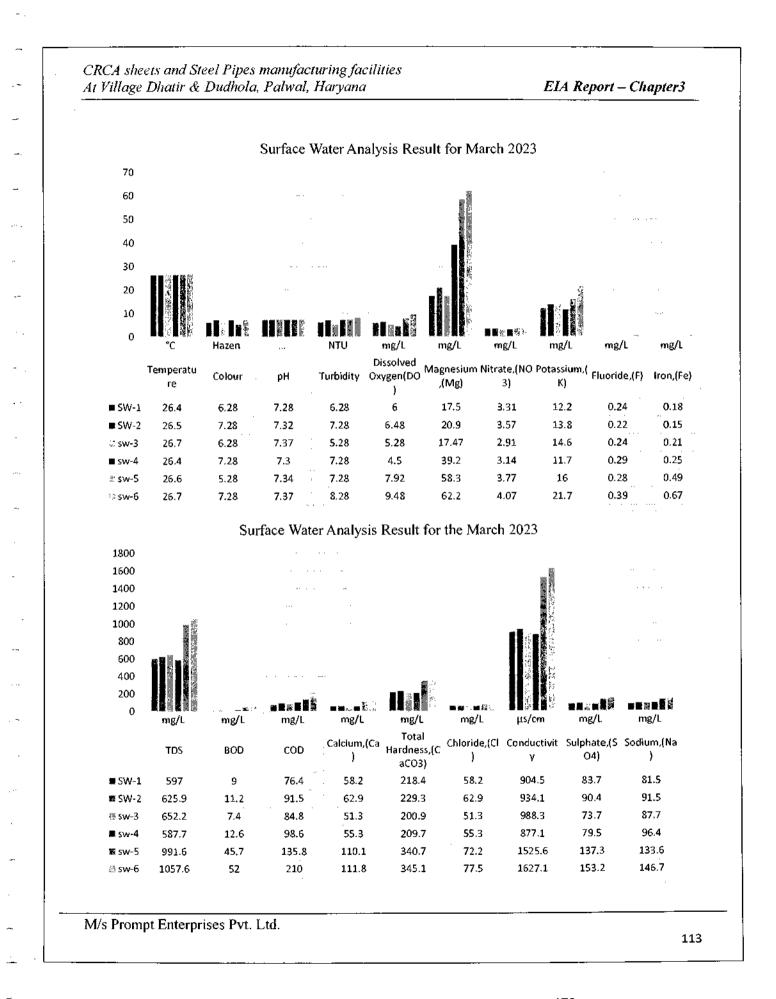
e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| t Vi | A sheets and Steel Ilage Dhatir & Du | dhola, Palw | al, Haryana | | | | EIA Rej | port – Ch | apter3 |
|------|---|---------------|--------------------------|---------|---------|---------|---------|-----------|--------|
| 17 | Sulphate,(SO4) | mg/L | APHA 4500:(S O4)-E | 83.7 | 90.4 | 73.7 | 79.5 | 137.3 | 153.2 |
| 18 | Potassium,(K) | mg/L | APHA- 3120B | 12.2 | 13.8 | 14.6 | 11.7 | 16 | 21.7 |
| 19 | Fluoride,(F) | mg/L | APHA 4500:(F-)-D | 0.24 | 0.22 | 0.24 | 0.29 | 0.28 | 0.39 |
| 20 | Chromium,(Cr+6) | mg/L | APHA 3500:(Cr)-B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 21 | Cyanide,(CN) | mg/L | APHA 4500;(C N-)-D | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 22 | Cadmium,(Cd) | mg/L | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 23 | Sodium,(Na) | mg/L | APHA- 3120B | 81.5 | 91.5 | 87.7 | 96.4 | 133.6 | 146.7 |
| 24 | Copper,(Cu) | mg/L | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 25 | Iron,(Fe) | mg/L | APHA- 3120B | 0.18 | 0.15 | 0.21 | 0.25 | 0.49 | 0.67 |
| 26 | Boron,(B) | mg/L | APHA 4500:(B) -C | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 27 | Zinc,(Zn) | mg/L | APHA- 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 28 | Manganese,(Mn) | mg/L | APHA- 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 29 | Phenolic Compound,(C6H 5OH) | mg/L | АРНА 5530-С | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.00 |
| 30 | Mineral Oil | mg/L | IS 3025 (Part-39) | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 |
| 31 | Total Coliform Count | MPN/100 mL | IS 1622 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 | > 160 |
| 32 | Fecal Coliform (FC) | MPN/100 mL | IS 1622 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 | >160 |

M/s Prompt Enterprises Pvt. Ltd.

112

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br



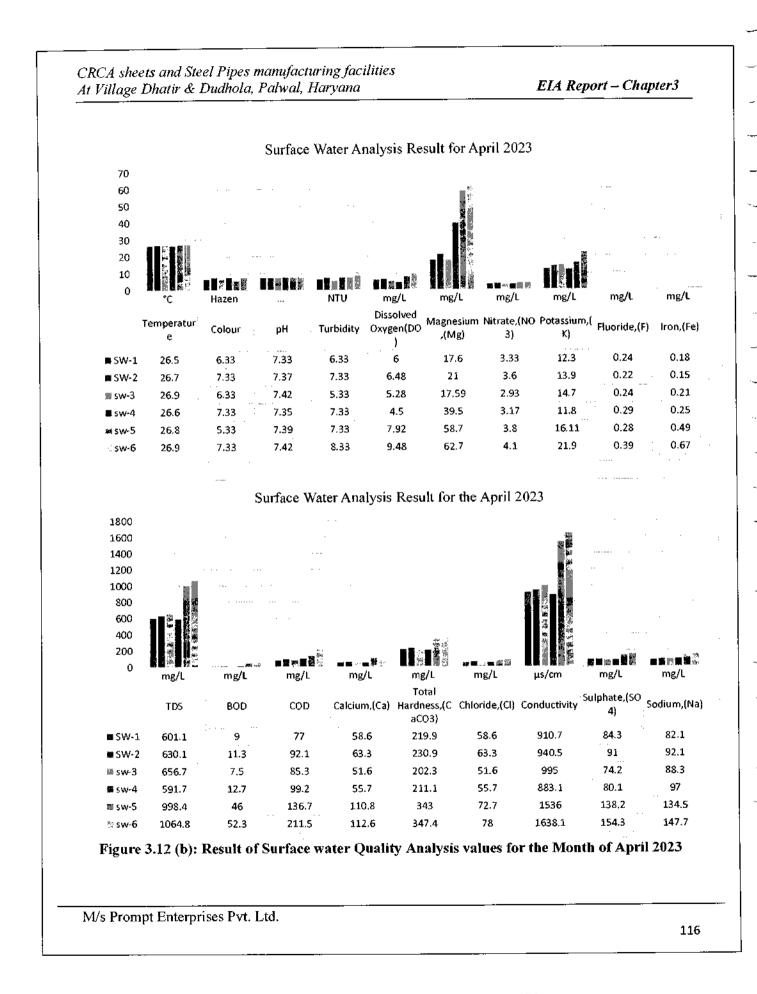
| | gure 3.12 (a) Resul | | | · | | | | | |
|---------------|---|--------------------|--------------------------|------------------|--------------------|---------------------|---------------|---------------|---------------|
| 1 | fable 3.9 (b): Resul | <u>lt of Surfa</u> | <u>ce water Q</u> | <u>uality An</u> | <u>alvsis va</u> l | lues for <u>t</u> l | he Month | of April | 2023 |
| S. N 0. | Test Method | Unit | Test Paramet er | SW-1 | SW-2 | SW-3 | SW-4 | SW-5 | SW-6 |
| 1 | Temperature | °C | APHA 2550-B | 26.5 | 26.7 | 26.9 | 26.6 | 26.8 | 26.9 |
| 2 | Colour | Hazen | APHA 2120-B | 6.33 | 7.33 | 6.33 | 7.33 | 5.33 | 7.33 |
| 3 | Odour | | APHA 2150-B | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odourl ess |
| 4 | pH | | APHA 4500-H+ | 7.33 | 7.37 | 7.42 | 7.35 | 7.39 | 7.42 |
| 5 | Total Dissolved Solids,(TDS) | mg/L | APHA 2540-C | 601.1 | 630.1 | 656.7 | 591.7 | 998.4 | 1064.8 |
| 6 | Biological Oxygen Demand(BOD3d 270C) | mg/L | IS: 3025 (Part-44) | 9 | 11.3 | 7.5 | 12.7 | 46 | 52.3 |
| 7 | Chemical Oxygen Demand,(COD) | mg/L | APHA 5220-B | 77 | 92.1 | 85.3 | 99.2 | 136.7 | 211.5 |
| 8 | Calcium,(Ca) | mg/L | APHA 3500:(Ca)-B | 58.6 | 63.3 | 51.6 | 55.7 | 110.8 | 112.6 |
| 9 | Turbidity | NTU | APHA 2130-B | 6.33 | 7.33 | 5.33 | 7.33 | 7.33 | 8.33 |
| 10 | Total Hardness,(CaCO 3) | mg/L | APHA 2340-C | 219.9 | 230.9 | 202.3 | 211.1 | 343 | 347.4 |
| 11 | Dissolved Oxygen(DO) | mg/L | APHA 4500:(O) -C | 6 | 6.48 | 5.28 | 4.5 | 7.92 | 9.48 |
| 12 | Anionic Detergent,(MBA S) | mg/L | APHA 5540-C | < 0.01 | < 0.01 | < 0.01 | < 0,01 | < 0.01 | < 0.01 |
| 13 | Magnesium,(Mg) | mg/L | APHA 3500:(M g)-B | 17.6 | 21 | 17.59 | 39.5 | 58.7 | 62.7 |
| 14 | Chloride,(Cl) | mg/L | APHA 4500:(Cl-)-B | 58.6 | 63.3 | 51.6 | 55.7 | 72.7 | 78 |
| 15 | Conductivity | μs/cm | <u>АРНА</u> 2510-В | 910.7 | 940.5 | 995 | 883.1 | 1536 | 1638.1 |

M/s Prompt Enterprises Pvt. Ltd.

114

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana EIA Report – Chapter3 APHA 16 Nitrate,(NO3) mg/L 4500:(N 3,33 2.93 3.6 3.17 3.8 4.1 О3-)-В APHA 17 Sulphate,(SO4) 4500:(SO mg/L 84.3 91 74.2 80.1 138.2 154.3 4)-E APHA-18 Potassium,(K) mg/L 12.3 13.9 14.7 11.8 16.11 21.93120B APHA 19 Fluoride,(F) mg/L 4500:(F-0.24 0.22 0.24 0.29 0.28 0.39)-D APHA Chromium,(Cr+6 20 3500:(Cr < 0.01 mg/L < 0.01 < 0.01< 0.01 < 0.01 < 0.01))-B APHA 21 Cyanide,(CN) mg/L 4500:(C N.D. N.D. N.D. N.D. N.D. N.D. N-)-D APHA 22 Cadmium,(Cd) < 0.01 < 0.01 < 0.01 < 0.01 mg/L < 0.01 < 0.01 3120B APHA-23 Sodium,(Na) 82.1 92.1 88.3 97 mg/L 134.5 147.7 3120B APHA 24 Copper,(Cu) mg/L < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 3120B APHA-25 0.21 Iron,(Fe) mg/L 0.18 0.15 0.25 0.49 0.67 3120B APHA 26 Boron,(B) 4500:(B) < 0.01 < 0.01 mg/L < 0.01 < 0.01 < 0.01 < 0.01 -С APHA-27 Zinc,(Zn) < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 mg/L 3120B APHA-28 Manganese,(Mn) mg/L < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 3120B Phenolic APHA 29 Compound,(C6H < 0.001 < 0.001 < 0.001< 0.001 < 0.001 < 0.001 mg/L 5530-C 5OH) IS 3025 30 Mineral Oil < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 < 0.5 mg/L (Part-39) **Total Coliform** MPN/100 31 IS 1622 > 1600 > 1600 > 1600 > 1600 > 1600 > 1600 Count mL Fecal Coliform MPN/100 32 > 1600 IS 1622 > 1600 > 1600 > 1600 > 1600> 1600 (FC) mL

M/s Prompt Enterprises Pvt. Ltd.

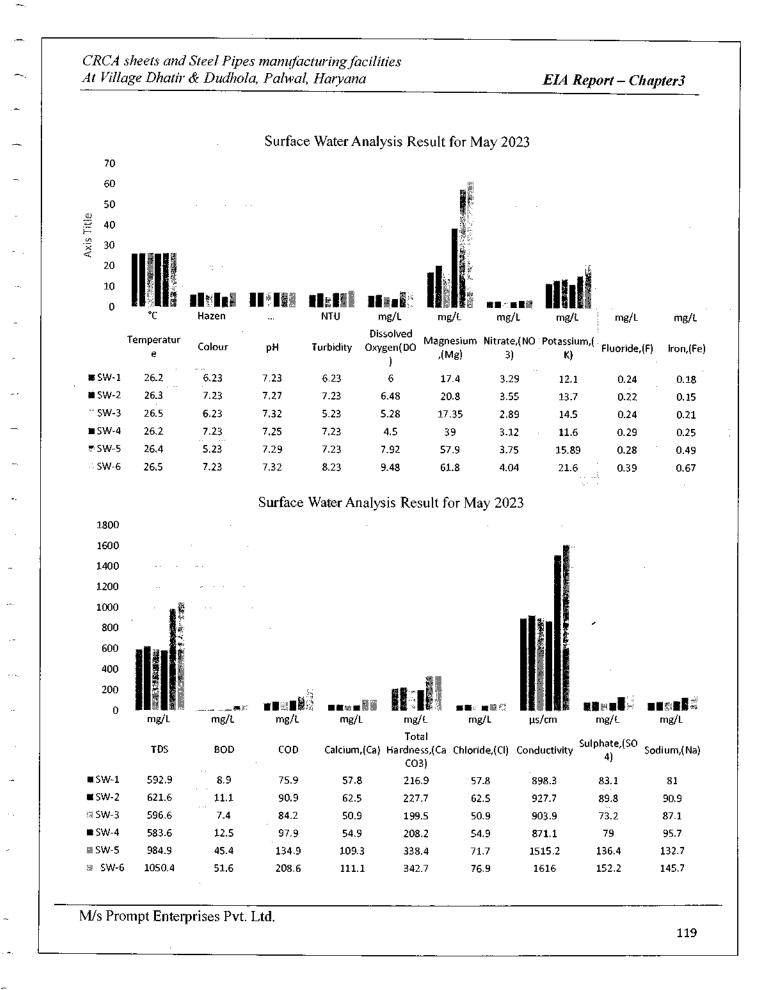


| - | <u> Table 3.9 (c): Resu</u> | lt of Surfa | ice water Q | uality Ar | ialysis va | lues for t | he Montl | <u>h of May</u> | <u>2023</u> |
|---------------|---|-------------|---------------------------|---------------|---------------|---------------|---------------|-----------------|---------------|
| S. N o. | Test Method | Unit | Test Paramet er | SW-1 | SW-2 | SW-3 | SW-4 | SW-5 | SW-6 |
| 1 | Temperature | °C | APHA 2550-B | 26.2 | 26.3 | 26.5 | 26.2 | 26.4 | 26.5 |
| 2 | Colour | Hazen | APHA 2120-B | 6.23 | 7.23 | 6.23 | 7.23 | 5.23 | 7.23 |
| 3 | Odour | | АРНА 2150-В | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odourl ess | Odourl ess |
| 4 | рН | | APHA 4500-H+ | 7.23 | 7.27 | 7.32 | 7.25 | 7.29 | 7.32 |
| 5 | Total Dissolved Solids,(TDS) | mg/L | АРНА 2540-С | 592.9 | 621.6 | 596.6 | 583.6 | 984.9 | 1050.4 |
| 6 | Biological Oxygen Demand(BOD3d 270C) | mg/L | IS: 3025 (Part-44) | 8.9 | 11.1 | 7.4 | 12.5 | 45.4 | 51.6 |
| 7 | Chemical Oxygen Demand,(COD) | mg/L | APHA 5220-B | 75.9 | 90.9 | 84.2 | 97.9 | 134.9 | 208.6 |
| 8 | Calcium,(Ca) | mg/L | APHA 3500:(Ca)-B | 57.8 | 62.5 | 50.9 | 54.9 | 109.3 | 111.1 |
| 9 | Turbidity | NTU | APHA 2130-B | 6.23 | 7.23 | 5.23 | 7.23 | 7.23 | 8.23 |
| 10 | Total Hardness,(CaCO 3) | mg/L | АРНА 2340-С | 216.9 | 227.7 | 199.5 | 208.2 | 338.4 | 342.7 |
| 11 | Dissolved Oxygen(DO) | mg/L | APHA 4500:(O) -C | 6 | 6.48 | 5.28 | 4.5 | 7.92 | 9.48 |
| 12 | Anionic Detergent,(MBA S) | mg/L | АРНА 5540-С | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 13 | Magnesium,(Mg) | mg/L | APHA 3500:(M g)-B | 17.4 | 20.8 | 17.35 | 39 | 57.9 | 61.8 |
| 14 | Chloride,(Cl) | mg/L | APHA 4500:(Cl-)-B | 57.8 | 62.5 | 50.9 | 54.9 | 71.7 | 76.9 |
| 15 | Conductivity | µs/cm | APHA 2510-B | 898.3 | 927.7 | 903.9 | 871.1 | 1515.2 | 1616 |
| 16 | Nitrate,(NO3) | mg/L | APHA 4500:(N O3-)-B | 3.29 | 3.55 | 2.89 | 3.12 | 3.75 | 4.04 |

M/s Prompt Enterprises Pvt. Ltd.

| | illage Dhatir & Du | | | | | | | zport – Cl | |
|----|-----------------------------------|---------------|--------------------------|---------|---------|---------|---------|------------|--------|
| 17 | Sulphate,(SO4) | mg/L | APHA 4500:(SO 4)-E | 83.1 | 89.8 | 73.2 | 79 | 136.4 | 152.2 |
| 18 | Potassium,(K) | mg/L | APHA- 3120B | 12.1 | 13.7 | 14.5 | 11.6 | 15.89 | 21.6 |
| 19 | Fluoride,(F) | mg/L | APHA 4500:(F-)-D | 0.24 | 0.22 | 0.24 | 0.29 | 0.28 | 0.39 |
| 20 | Chromium,(Cr+6) | mg/L | APHA 3500:(Cr)-B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 21 | Cyanide,(CN) | mg/L | APHA 4500:(C N-)-D | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. |
| 22 | Cadmium,(Cd) | mg/L | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 23 | Sodium,(Na) | mg/L | APHA- 3120B | 81 | 90.9 | 87.1 | 95.7 | 132.7 | 145.7 |
| 24 | Copper,(Cu) | mg/L | APHA 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 25 | lron,(Fe) | mg/L | APHA- 3120B | 0.18 | 0.15 | 0.21 | 0.25 | 0.49 | 0.67 |
| 26 | Boron,(B) | mg/L | APHA 4500:(B) -C | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 27 | Zinc,(Zn) | mg/L | APHA- 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 28 | Manganese,(Mn) | mg/L | APHA- 3120B | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |
| 29 | Phenolic Compound,(C6H 50H) | mg/L | APHA 5530-C | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.001 | < 0.00 |
| 30 | Mineral Oil | mg/L | IS 3025 (Part-39) | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 | < 0.5 |
| 31 | Total Coliform Count | MPN/100 mL | IS 1622 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 |
| 32 | Fecal Coliform (FC) | MPN/100 mL | IS 1622 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 | > 1600 |

M/s Prompt Enterprises Pvt. Ltd.



CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report --- Chapter3

Figure 3.12 (c) Result of Surface water Quality Analysis values for the Month of May 2023 Result of Surface Water Analysis

The comparative results obtained for surface water quality of the collected surface water samples are given in the Table 3.9(a), (b) & (c) and Figure 3.12 (a), (b) & (c), respectively below.

- The total dissolved solids were observed in the range 587.7 to 1057.6 mg/l
- The total hardness, as CaCO3 was observed in the range of 200.9 to 345.1 mg/l.
- The concentration of chloride was observed in the range 51.3 to 77.5 mg/l.
- The concentrations of Sulphate were observed in the range 73.7 to 153.2 mg/l
- The concentrations of nitrate were observed in the range 2.9 to 4.1 mg/l.

The above parameters indicate that the surface water of the study area falls under class-D (Propagation of Wild life and Fisheries) as per CPCB water Quality criteria. Except for the BOD parameter the Water class of the study area will fall in class-C (Drinking water source after conventional treatment and disinfection).

3.6 Topography

3.6.1 Slope Analysis

The project area possesses slightly undulating terrain. The Contour plan of the project site and Contour Map of 10 Km of project is shown in the Figure 3.13 (a) and (b), and also attached as *Annexure VIII* (a) & (b,) respectively. The highest contour level at project site is 197 m AMSL & the lowest contour level at project site is 191 m AMSL. Difference between the highest & lowest level is 6 m.

Erosion/Subsidence

There is no vulnerability of subsidence as the terrain is plain land and adequate green belt is provided to prevent any chances of erosion/subsidence during rains.

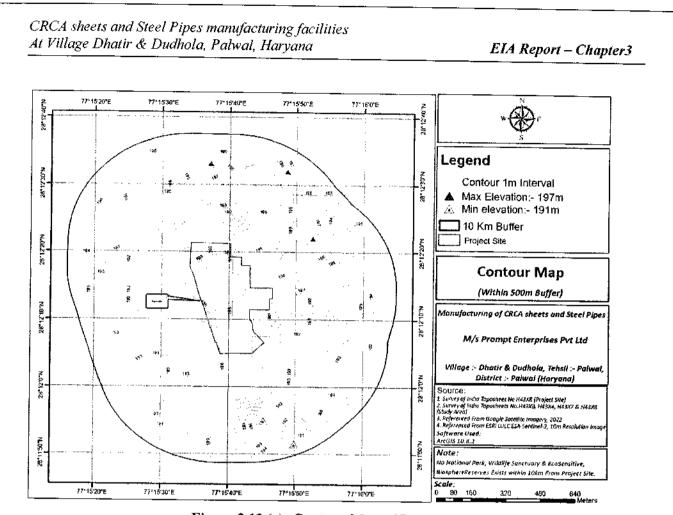


Figure 3.13 (a): Contour Map of Project Site

M/s Prompt Enterprises Pvt. Ltd.

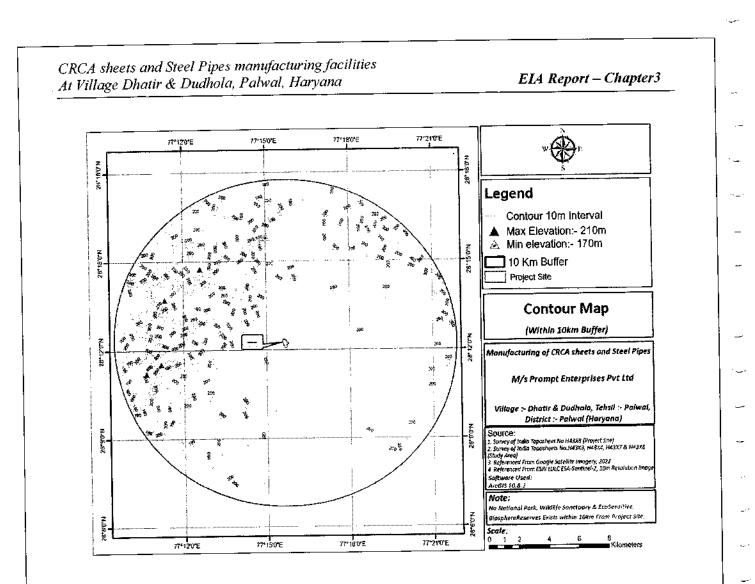


Figure 3.13 (b): Contour Map of the Study Area

3.7 Land environment

Land is an important component of the life support system. Degradations of land due to industrialization, urbanization and population growth is a matter of concern. Therefore, it is necessary to establish the similar existing land use pattern to optimize the land use as well as minimize degradation due to the upcoming developmental activities. Also it is necessary to the landform of the project site and the quality of the soil as soil erosion further deteriorates the quality of the land.

Land use-description

The landuse / land cover of the project site were done to identify the landuse pattern and land cover pattern of the study area. The study of land use in the area enables one to know about the land that can be used for various development activities envisaged in post project scenario. It also enables to envisage

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

EIA Report - Chapter3

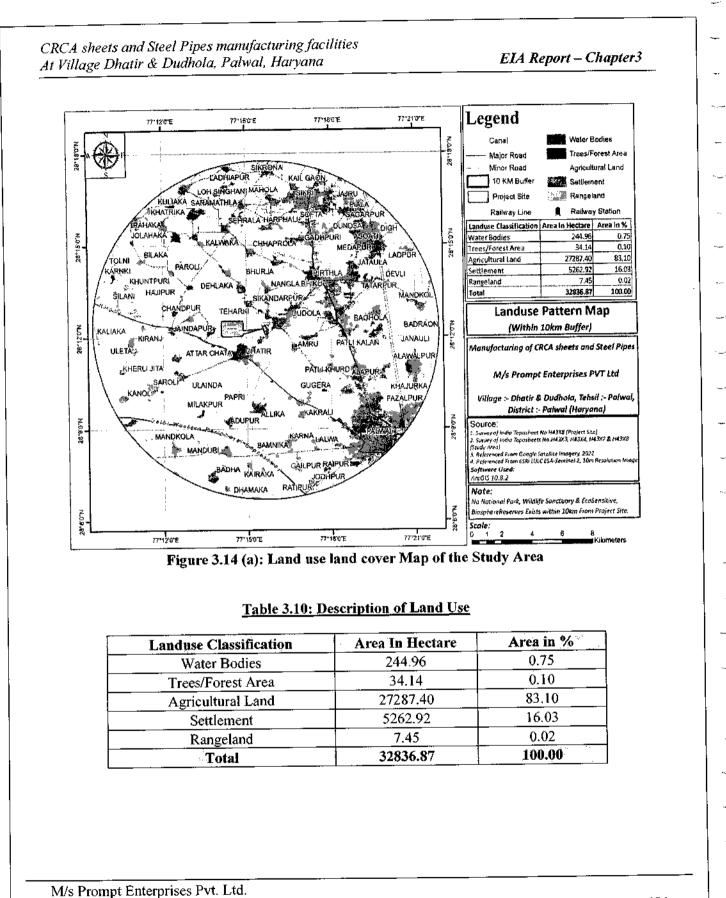
the scenario emerging due to the increase in demand for land with increase in population and the impacts arising due to the interface with the various project activities.

Methodology

The landuse / land cover pattern has been established based on the analysis of the data received from satellite imagery by making landuse/land cover map with the help of GIS technique. References have been taken from Survey of India toposheets. Landuse study was done within 10 km radius area with limited ground truth verifications. Ground and ancillary information have been used to identify the sensitive places within 10 km radius of the project.

Land Use Pattern Classification and description

The classification of landuse / landcover pattern of the study area is mainly dominated by the types - agricultural land, settlements, Tree and forest area, Rangeland and water bodies. The agricultural land covers the majority of the land which is about 27.85% of the study area. Settlements cover about 38.10% of the total land within 10 km radius. The land use data are presented in **Table 3.10**. The landuse /landcover map is presented in **Figure 3.14 (a)** and also attached as *Annexure-XIII*. The pie chart showing landuse patter is presented in **Figure 3.14 (b)**.



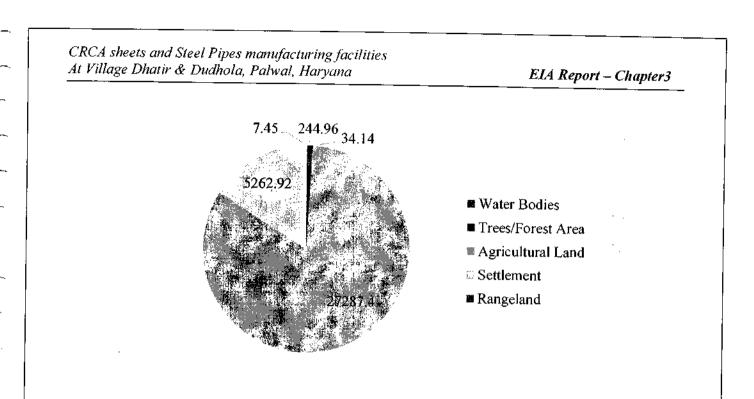


Figure 3.14 (b): Pie Chart Showing Landuse Pattern (values are in Hectare)

Description of Land use: -

- 1. Agriculture Land covers a geographical area 27287.4 ha (83.10 %) this land primarily used for farming and for production of food, fiber and other commercial and horticultural crops.
- 2. Settlement covers a geographical area 5262.92 ha (16.03%) this land primarily used for Rural and Urban settlement, it is an area of human habitation developed due to non-agricultural use and that has a cover of buildings, transport and communication, utilities in association with that.
- 3. Tree/Forest Area covers a geographical area of 34.14 ha (0.10%) in the study area.
- 4. Rangeland covers a geographical area of 7.45 ha (0.02%).
- 5. Waterbodies covers a geographical area 244.96 ha (0.75%) in the study area.

3.7.1 Soil Characteristics

The composite soil samples were collected from site and the study area once in a season as per CPCB guidelines and were analyzed for characterization. The Frequency and Methodology for Soil Sampling & Monitoring is presented in Table 3.11.

Methodology

The soil samples were collected in the month of March- May, 2023 from 7 locations as given in **Table 3.12.** At each of these locations 3 sub-locations were identified randomly from where soil was collected from 30 cm below the surface. The final 7 samples represent homogenously mixed soil from these 3 sub-

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report – Chapter3

locations for each location. The samples were filled in polythene bags, labeled in the field with number and site name and sent to laboratory for analysis. Map showing Soil Sampling locations is shown in **Figure 3.15** and also attached as *Annexure-XI (d)*. Photographs of soil monitoring for March, April and May 2023 is presented in **Figure 3.16 (a)**, (b) & (c), respectively. Results of the Physico-Chemical Properties analysis of Soil is shown in the **Table 3.13(a)**, (b) & (c) and in Figure 3.17(a), (b) & (c), respectively.

Table 3.11: Frequency and Methodology for Soil Sampling & Monitoring

| Particulars | Details |
|-------------|---|
| Frequency | One *grab sample from each station-trice during the Study Period |
| Methodology | Composite grab samples of the topsoil were collected from 3 depths, and mixed to provide a representative sample for analysis. They were stored in airtight Polythene Bags and analyzed at the laboratory. (As per BIS specifications) |

*Grab sample- a single sample or measurement taken at a specific time or over as a short period as feasible

| Table 3.12: Soil Qu | <u>uality Monito</u> | oring <u>Locations</u> |
|---------------------|----------------------|------------------------|
|---------------------|----------------------|------------------------|

| s. | | Distance | Direction | Land use / | Latitude | Longitude |
|-----|--|----------|-----------------|---------------------|---------------|------------------------|
| No. | Particulars | (KM) | Direction | Land cover | | |
| SQ1 | Project site | 0 | 0 | Industrial Area | 28°12'9.69"N | 77°15'40.39"E |
| SQ2 | Shri Vishwakarma Skill University | 2.4 | ESE Silent Area | | 28°11'55.53"N | 77°17'13.80"E |
| SQ3 | B M Model School Dudhola, Palwal | 0.57 | NE | Silent Area | 28°12'32.17"N | 77°15'56. 84" E |
| SQ4 | B P Mushrom Farm, Dhatir | 1.04 | w | Silent Area | 28°12'22.87"N | 77°14'56.03"E |
| SQ5 | Shiv Ram Mandir | 2.1 | NNW | Silent Area | 28°13'22.72"N | 77°14'57.25"E |
| SQ6 | MS Hospital Dhatir | 1.99 | SW | Residential Area | 28°11'22.59"N | 77°14'43.21"E |
| SQ7 | Bharat Public School, Dudhola | 1.6 | SE | Residential Area | 28°11'39.89"N | 77°16'37.86"E |

M/s Prompt Enterprises Pvt. Ltd.

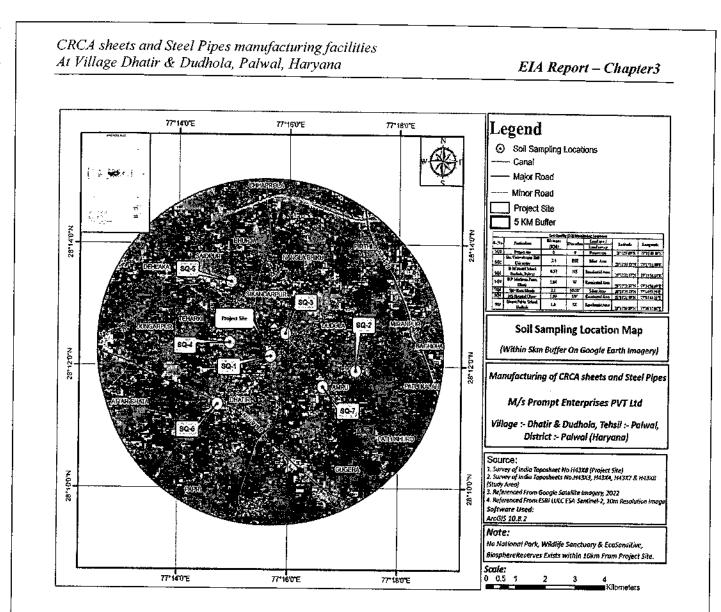
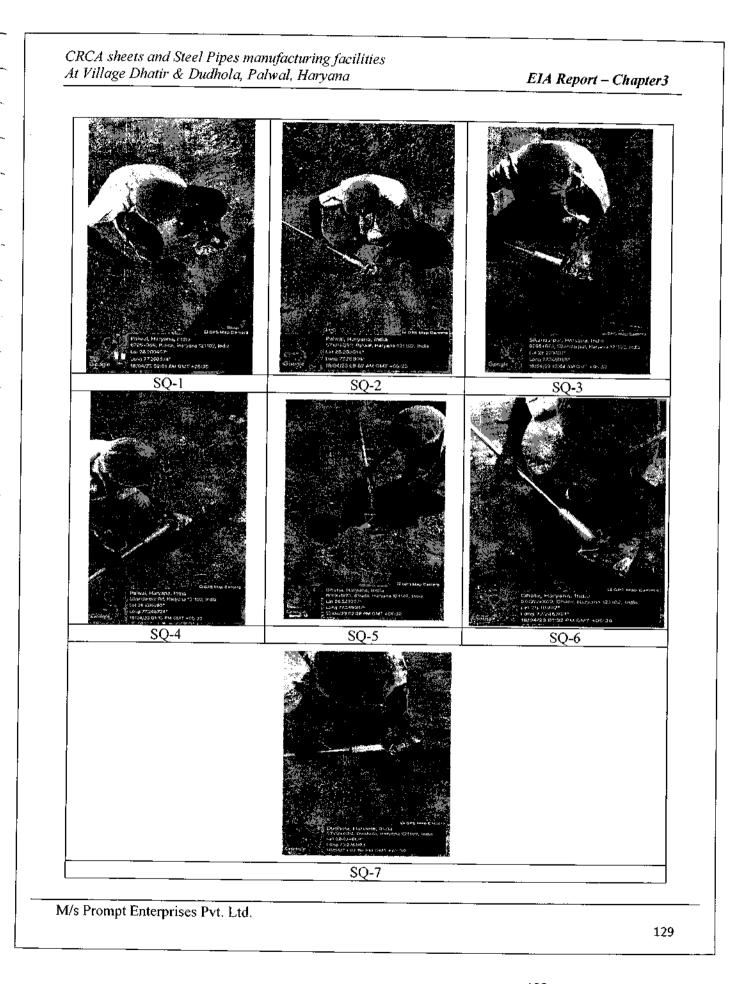


Figure 3.15: Soil Quality Monitoring Location





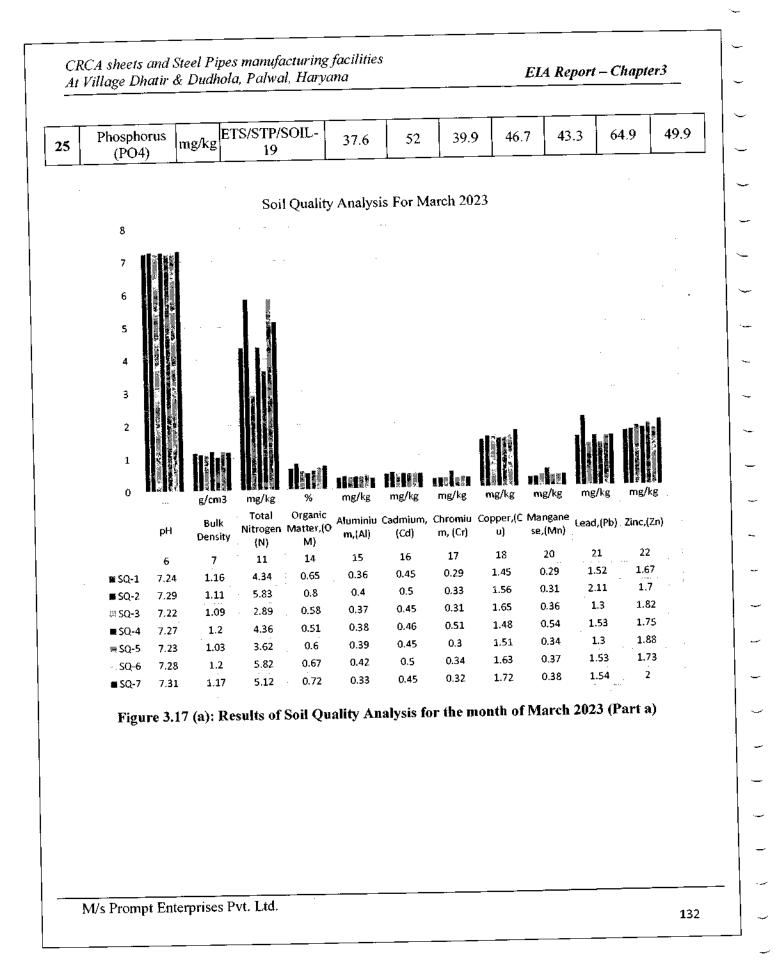


CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

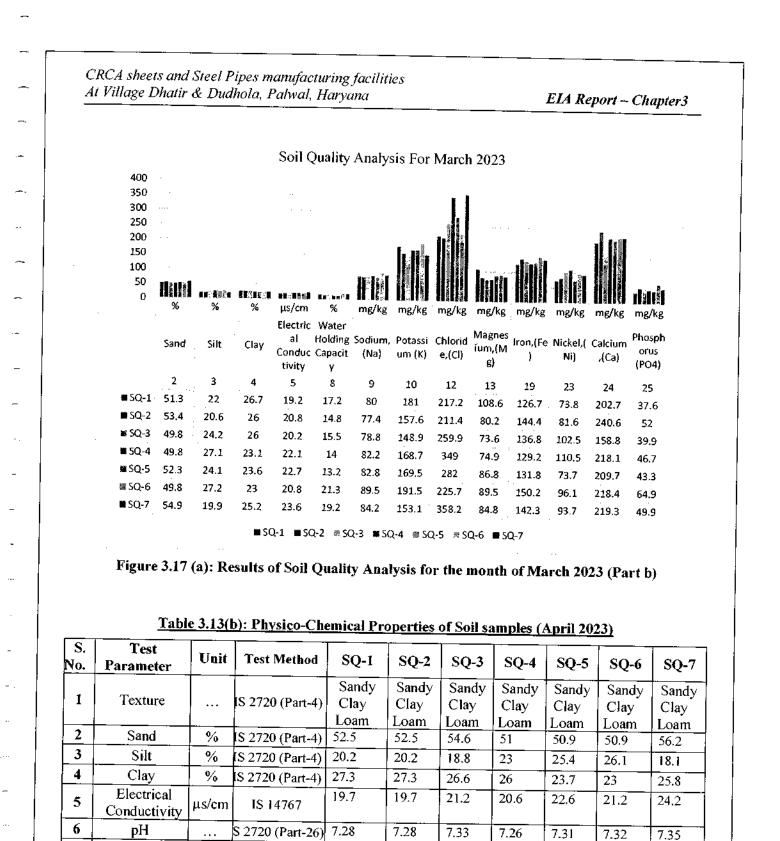
EIA Report - Chapter3

| | | Figur | e 3.16 (c): Photog | raphs of | the Soil : | Samplin | g (May, : | 2023) | | |
|-----------------|----------------------------|---------|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | <u>Tabl</u> | | <u>a): Physico-Chen</u> | | | | | | <u>23)</u> | |
| S. No. | Test Parameter | Unit | T | SQ-1 | SQ-2 | SQ-3 | SQ-4 | SQ-5 | SQ-6 | SQ-7 |
| 1 | Texture | | IS 2720 (Part-4) | Sandy Clay Loam |
| 2 | Sand | % | IS 2720 (Part-4) | 51.3 | 53.4 | 49.8 | 49.8 | 52.3 | 49.8 | 54.9 |
| 3 | Silt | % | IS 2720 (Part-4) | 22 | 20.6 | 24,2 | 27.1 | 24.1 | 27.2 | 19.9 |
| 4 | Clay | % | IS 2720 (Part-4) | 26.7 | 26 | 26 | 23.1 | 23.6 | 23 | 25.2 |
| 5 | Electrical Conductivity | µs/cm | | 19.2 | 20.8 | 20.2 | 22.1 | 22.7 | 20.8 | 23.6 |
| 6 | <u>р</u> Н | <u></u> | S 2720 (Part-26) | 7.24 | 7.29 | 7.22 | 7.27 | 7.23 | 7.28 | 7.31 |
| 7 | Bulk Density | g/cm3 | IS 2386 (Part-4) | 1.16 | 1.11 | 1.09 | 1.2 | 1.03 | 1.2 | 1.17 |
| 8 | Water Holding Capacity | % | IS 2720 (Part-2) | 17.2 | 14.8 | 15.5 | 14 | 13.2 | 21.3 | 19.2 |
| 9 | Sodium,(Na) | mg/kg | USEPA-3050A | 80 | 77.4 | 78.8 | 82.2 | 82.8 | 89.5 | 84.2 |
| 10 | Potassium (K) | mg/kg | USEPA-3050A | 181 | 157.6 | 148.9 | 168.7 | 169.5 | 191.5 | 153.1 |
| 11 | Total Nitrogen (N) | mg/kg | ETS/STP/SOIL- 15 | 4.34 | 5.83 | 2.89 | 4.36 | 3.62 | 5.82 | 5.12 |
| 12 | Chloride,(Cl) | mg/kg | BS 1377 -3 | 217.2 | 211.4 | 259.9 | 349 | 282 | 225.7 | 358.2 |
| 13 | Magnesium, (Mg) | mg/kg | ETS/STP/SOIL- 08 | 108.6 | 80.2 | 73.6 | 74.9 | 86.8 | 89.5 | 84.8 |
| 14 | Organic Matter,(OM) | % | S 2720 (Part-22) | 0.65 | 0.8 | 0.58 | 0.51 | 0.6 | 0.67 | 0.72 |
| 15 | | mg/kg | USEPA-3050A | 0.36 | 0.4 | 0.37 | 0.38 | 0.39 | 0.42 | 0.33 |
| 16 | | mg/kg | USEPA-3050A | 0.45 | 0.5 | 0.45 | 0.46 | 0.45 | 0.5 | 0.45 |
| 17 18 | <u> </u> | | USEPA-3050A | 0.29 | 0.33 | 0.31 | 0.51 | 0.3 | 0.34 | 0.32 |
| <u>10</u> 19 | | | USEPA-3050A | 1.45 | 1.56 | 1.65 | 1.48 | 1.51 | 1.63 | 1.72 |
| | | mg/kg | USEPA-3050A | 126.7 | 144.4 | 136.8 | 129.2 | 131.8 | 150.2 | 142.3 |
| 20 | | | USEPA-3050A | 0.29 | 0.31 | 0.36 | 0.54 | 0.34 | 0.37 | 0.38 |
| $\frac{21}{22}$ | | | USEPA-3050A | 1.52 | 2.11 | 1.3 | 1.53 | 1.3 | 1.53 | 1.54 |
| 22 | | | USEPA-3050A | 1.67 | 1.7 | 1.82 | 1.75 | 1.88 | 1.73 | 2 |
| 23 | | | USEPA-3050A | 73.8 | 81.6 | 102.5 | 110.5 | 73.7 | 96.1 | 93.7 |
| 24 | Calcium,(Ca) r | ng/kg[| S 2720 (Part-23) | 202.7 | 240.6 | 158.8 | 218.1 | 209.7 | 218.4 | 219.3 |

M/s Prompt Enterprises Pvt. Ltd.



.....



M/s Prompt Enterprises Pvt. Ltd.

g/cm3

%

Bulk Density

Water Holding

Capacity

7

8

133

1.18

19.3

1.21

14.1

1.2

21.4

S 2386 (Part-4)

(S 2720 (Part-2)

1.16

17.3

1.16

17.3

1.12

14.9

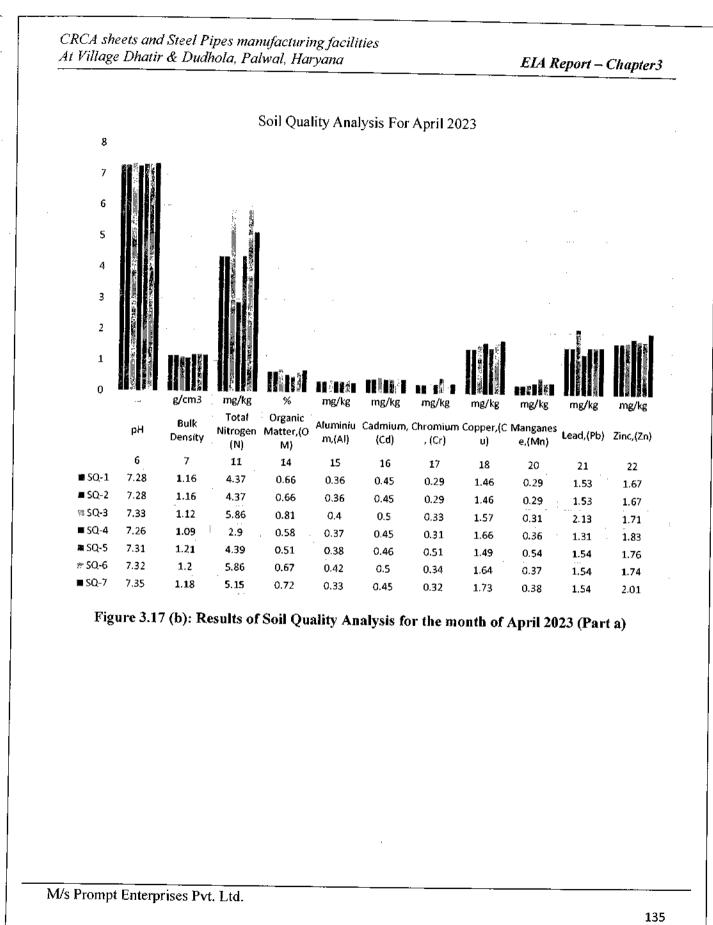
1.09

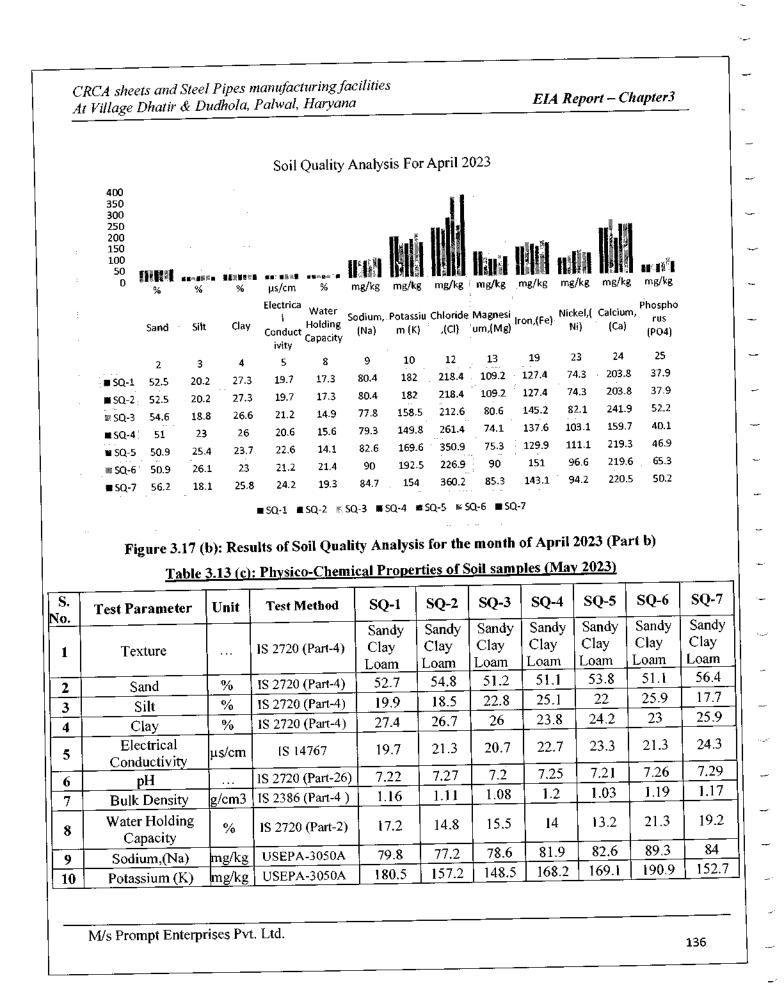
15.6

| | Village Dhatir & | | | | | | | | | <u> </u> |
|-----------------|------------------------|-------|---------------------|-------|-------|-------|-------|-------|-------|----------|
| 9 | Sodium,(Na) | mo/kg | USEPA-3050A | 80.4 | 80.4 | 77.8 | 79.3 | 82.6 | 90 | 84.7 |
| 9 10 | Potassium (K) | | | 182 | 182 | 158.5 | 149.8 | 169.6 | 192.5 | 154 |
| 10 11 | Total Nitrogen (N) | mg/kg | ETS/STP/SOIL- 15 | 4.37 | 4.37 | 5.86 | 2.9 | 4.39 | 5.86 | 5.15 |
| 12 | Chloride,(Cl) | mg/kg | BS 1377 -3 | 218.4 | 218.4 | 212.6 | 261.4 | 350.9 | 226.9 | 360.2 |
| <u>12</u> 13 | Magnesium, (Mg) | | ETS/STP/SOIL- 08 | 109.2 | 109.2 | 80.6 | 74.1 | 75.3 | 90 | 85.3 |
| 14 | Organic Matter,(OM) | % | S 2720 (Part-22) | 0.66 | 0.66 | 0.81 | 0.58 | 0.51 | 0.67 | 0.72 |
| 15 | Aluminium, (Al) | mg/kg | USEPA-3050A | 0.36 | 0.36 | 0.4 | 0.37 | 0.38 | 0.42 | 0.33 |
| 16 | Cadmium, (Cd) | mg/kg | USEPA-3050A | 0.45 | 0.45 | 0.5 | 0.45 | 0.46 | 0.5 | 0.45 |
| 17 | Chromium, (Cr) | mg/kg | USEPA-3050A | 0.29 | 0.29 | 0.33 | 0.31 | 0.51 | 0.34 | 0.32 |
| 18 | Copper,(Cu) | mg/kg | USEPA-3050A | 1.46 | 1.46 | 1.57 | 1.66 | 1.49 | 1.64 | 1.73 |
| 19 | Iron,(Fe) | | USEPA-3050A | 127.4 | 127.4 | 145.2 | 137.6 | 129.9 | 151 | 143.1 |
| 20 | Manganese | | USEPA-3050A | 0.29 | 0.29 | 0.31 | 0.36 | 0.54 | 0.37 | 0.38 |
| 21 | Lead,(Pb) | mg/kg | USEPA-3050A | 1.53 | 1.53 | 2.13 | 1.31 | 1.54 | 1.54 | 1.54 |
| 22 | Zinc,(Zn) | | USEPA-3050A | 1.67 | 1.67 | 1.71 | 1.83 | 1.76 | 1.74 | 2.01 |
| 23 | | | USEPA-3050A | 74.3 | 74.3 | 82.1 | 103.1 | 111.1 | 96.6 | 94.2 |
| 24 | <u></u> | | g S 2720 (Part-23 | | 203.8 | 241.9 | 159.7 | 219.3 | 219.6 | 220.5 |
| 25 | Phosphorus | mg/kg | TTC/CTD/CON | | 37.9 | 52.2 | 40.1 | 46.9 | 65.3 | 50.2 |

M/s Prompt Enterprises Pvt. Ltd.

....

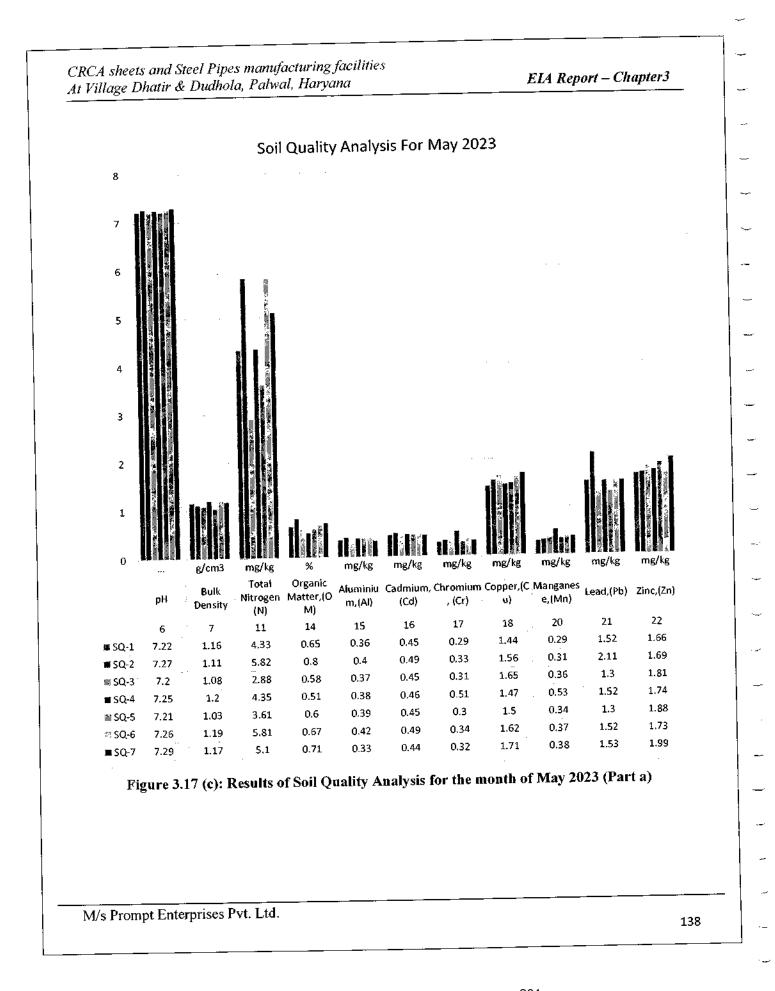




| | At Village Dhatir & | | <u>, 1 atwai, 11arya</u> | <u> </u> | | | ELA | Report - | - Chapter | ·3 |
|----|------------------------|-------|--------------------------|----------|-------|-------|-------|----------|-----------|-----|
| 11 | Total Nitrogen (N) | mg/kg | ETS/STP/SOIL-15 | 4.33 | 5.82 | 2.88 | 4.35 | 3.61 | 5.81 | 5. |
| 12 | Chloride,(Cl) | mg/kg | BS 1377 -3 | 433.2 | 450.7 | 403.2 | 420.5 | 425.4 | 370.3 | 430 |
| 13 | Magnesium, (Mg) | mg/kg | ETS/STP/SOIL-08 | 108.3 | 80 | 73.4 | 74.7 | 86.5 | 89.3 | 84 |
| 14 | Organic Matter,(OM) | % | IS 2720 (Part-22) | 0.65 | 0.8 | 0.58 | 0.51 | 0.6 | 0.67 | 0.7 |
| 15 | Aluminium, (Al) | mg/kg | USEPA-3050A | 0.36 | 0.4 | 0.37 | 0.38 | 0.39 | 0.42 | 0.3 |
| 16 | Cadmium, (Cd) | mg/kg | USEPA-3050A | 0.45 | 0.49 | 0.45 | 0.46 | 0.45 | 0.49 | 0.4 |
| 17 | Chromium, (Cr) | mg/kg | USEPA-3050A | 0.29 | 0.33 | 0.31 | 0.51 | 0.3 | 0.34 | 0.3 |
| 18 | Copper,(Cu) | mg/kg | USEPA-3050A | 1.44 | 1.56 | 1.65 | 1.47 | 1.5 | 1.62 | 1.7 |
| 19 | Iron,(Fe) | mg/kg | USEPA-3050A | 126.4 | 144 | 136.5 | 128.9 | 131.4 | 149.8 | 141 |
| 20 | Manganese, (Mn) | mg/kg | USEPA-3050A | 0.29 | 0.31 | 0.36 | 0.53 | 0.34 | 0.37 | 0.3 |
| 21 | Lead,(Pb) | mg/kg | USEPA-3050A | 1.52 | 2.11 | 1.3 | 1.52 | 1.3 | 1.52 | 1.5 |
| 22 | Zinc,(Zn) | mg/kg | USEPA-3050A | 1.66 | 1.69 | 1.81 | 1.74 | 1.88 | 1.73 | 1.9 |
| 23 | Nickel,(Ni) | mg/kg | USEPA-3050A | 88.1 | 81.4 | 102.2 | 110.2 | 73.5 | 95.8 | 93. |
| 24 | Calcium,(Ca) | mg/kg | IS 2720 (Part-23) | 505.4 | 662.1 | 581.2 | 571.1 | 525.6 | 668.7 | 604 |

M/s Prompt Enterprises Pvt. Ltd.

~



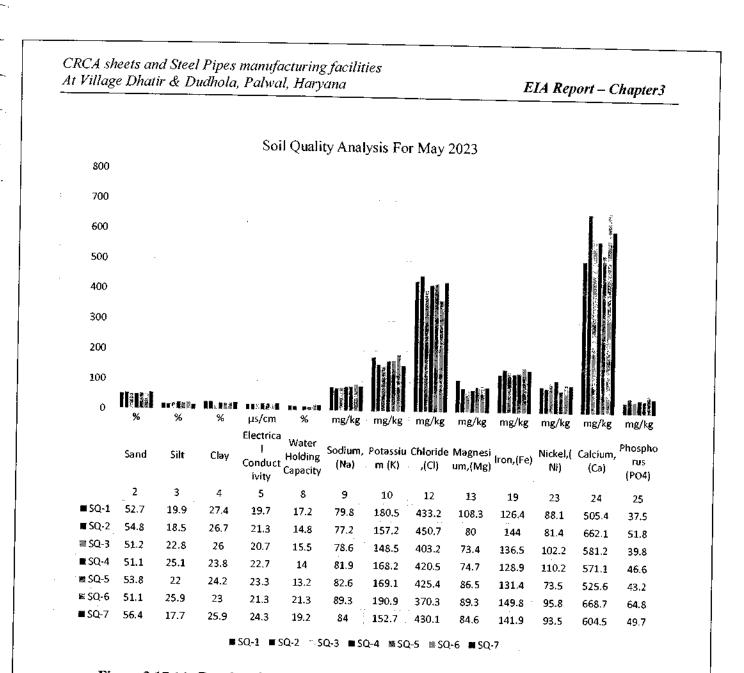


Figure 3.17 (c): Results of Soil Quality Analysis for the month of May 2023 (Part b)

Results of Analysis of the Soil

Physical characteristics of soil were characterized through specific parameters viz bulk density, water holding capacity, pH, electrical conductivity and texture. Soil pH plays an important role in the availability of nutrients. Soil microbial activity as well as solubility of metal ions is also dependent on pH. In the study area, pH of the soil varied from 7.2 to 7.35. Electrical conductivity (EC) is a measure of the soluble salts and ionic activity in the soil. In the collected soil samples the conductivity ranged from 19.2 to 24.3 μ s/cm³. The test reports of soil quality are attached as *Annexure-XII*.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report – Chapter3

3.8 Biological Environment

3.8.1 Introduction

A natural ecosystem is a structural and functional unit of nature. It has different components, which are interrelated to each other for sustaining life on earth and survive by interdependence. An ecosystem has self-sustaining ability and controls the number of organisms at any level by cybernetic rules. The basic purpose to explore the biological environment under Environmental Impact Assessment (EIA) is to assist the decision-making process and to ensure that the project options under consideration are environmental-friendly.

An ecological survey of the study area was conducted, particularly with reference to listing of species and assessment of the existing baseline ecological conditions in the study area. The main objective of the ecological survey is aimed at assessing the existing flora and fauna components in the study area. Data has been collected through extensive survey of the area with reference to flora and fauna.

With the change in environmental conditions, the vegetation cover as well as animals reflects several changes in its structure, density and composition. The present study was carried out in separately for floral and faunal community of core and buffer zone respectively.

Core Zone: The area where the project is located is known as core zone.

Buffer Zone: The zone falling with in 10Km radius around the project area also called as study area.

3.8.2 Objectives of Biological Studies:-

The present study was undertaken with the following objectives:

- To assess the nature and distribution of vegetation in and around the project site (within 10 km. radius)
- To assess the animal life spectra (within 10 km radius)

The aspects to be covered in the study for the project are given in Table 3.14.

| Table 3.14: Aspects to | be covered in | <u>the study fo</u> | or the Project |
|------------------------|---------------|---------------------|----------------|
|------------------------|---------------|---------------------|----------------|

| Aspect of Environment | Likely Impacts |
|-----------------------|--|
| Terrestrial Ecology | Impacts on terrestrial flora and fauna |
| | Impacts on wildlife |
| | Impacts on socially/economically/genetically/ biologically |
| | important project species |
| Aquatic Ecology | Impacts on aquatic fauna/flora |

M/s Prompt Enterprises Pvt. Ltd.

140

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

EIA Report -- Chapter3

Impacts on spawning and breeding grounds for aquatic species

3.8.3 Terrestrial Ecology/Aquatic Ecology

The information presented in this Chapter has been collected through field studies and survey, consultation with various government departments and local people and collation of available literature with various institutions and organizations. The summary of data collected from various sources as a part of the EIA study is outlined in **Table 3.15**.

| Aspect | Mode of data collection | Parameters monitored | Frequency | Source(s) |
|------------------------|---|--|------------------------------|--|
| Terrestrial Ecology | Primary secondary and field survey | Floral and Faunal Inventory/ Importance | One Season (Post monsoon) | Field studies, Forest Department and literature |

Table 3.15: Summary of data collected from various sources

A. Floral Community:

Flora in Core Zone -Project Site: Total green area measuring 10,332 m² *i.e.*, 10 % of the open area had been provided within project site. Floral species were identified & recorded by visiting the site. The list of floral species is given in **Table 3.16-3.17**.

Flora in Buffer Zone: Floral study was carried out for both terrestrial & aquatic habitats. Floral study of terrestrial habitats was carried out by making trips to the buffer area. Randomly clusters were selected including residential area, open land, commercial area & scrubs to study flora of the buffer zone. Secondary data available from Forest Department, Uttar Pradesh was used to collect information on aquatic flora.

<u>Cropping Pattern</u>: Major source of irrigation in area is ground water followed by canal water. Major crops grown in district are Rice, Maize, Jowar (Great Millet), Barley, Bajra (Spiked Millet), Wheat, Sugarcane, Cotton, Arhar, Bengal Gram, Kulthi, Masoor, Moong, Moth, Peas and Beans. Other oilseed crops like Guar Seed, Rapeseed, Mustard, Sesamum etc. are also grown.

Vegetation: The list of plants recorded in Buffer Zone (10 Km Radius) is given in Table 3.16.

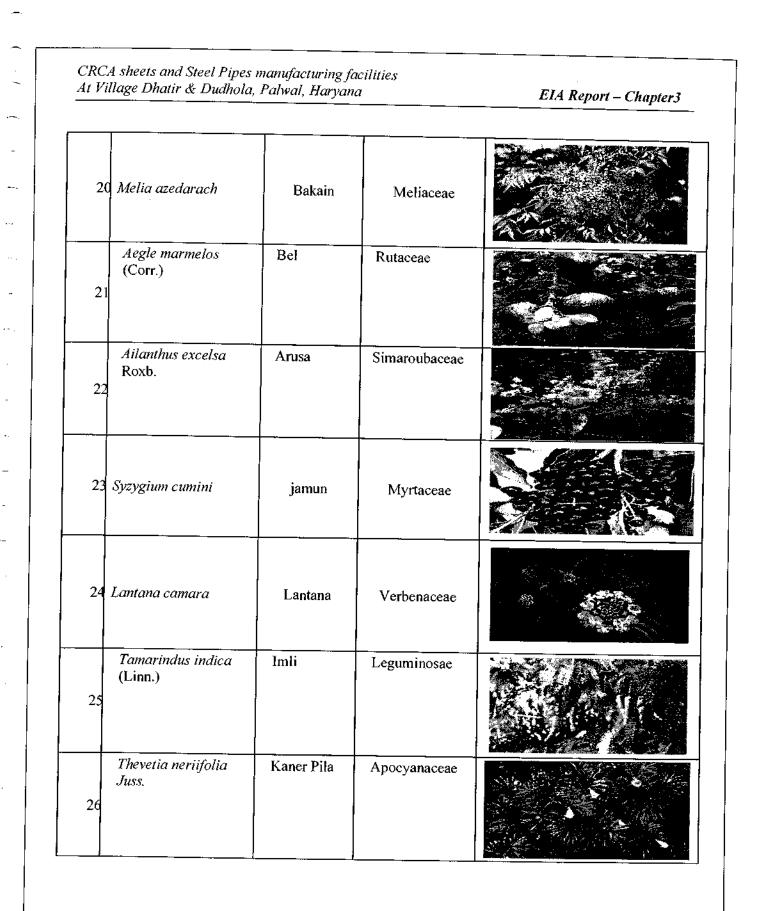
| t Ville | age Dhatir & Dudhola, P | alwal, Haryana | <u> </u> | EIA Report – Chapter3 |
|-----------|--|--------------------------|--------------------|-----------------------|
| | <u>Table 3.1</u> | 6: List of Plants | in Buffer Zone (10 | <u>Km Radius)</u> |
| S. No. | Scientific Name | Local Name | Family | Image |
| | | Fo | rest Trees | |
| 1. | Psidium guava (Linn.) | Amrood | Myrtaceae | |
| 2. | Polyalthia longifolia (Sonn.) Thwaites | Ashok | Annonaceae | |
| 3. | Musa paradisiaca L. | Kela | Musaceae | |
| 4. | Neolamarckia cadamba (Roxb.) Bosser | Kadam | Rubiaceae | |
| 5. | Cassia fistula | Golden Shower Tree | Fabaceae | |
| 6. | Ailanthus excelsa | Tree of Heaven | Simaroubaceae | |

| | illage Dhatir & Dudhola, | | <u> </u> | EIA Report – Chapter3 |
|----|----------------------------------|------------|---------------|-----------------------|
| 7. | Cassia fistula L. | Amaltas | Leguminosae | |
| 8. | Cassia siamea Lam. | Cassia | Leguminosae | |
| 9. | Mangifera indica | Mango Tree | Anacardiaceae | |
| 10 | Citrus medica L. | Nimboo | Rutaceae | |
| 11 | Artocarpus heterophyllus Lam. | Kathal | Moraceae | |
| 12 | Tectona Grandis | Sagon | Lamiaceae | |

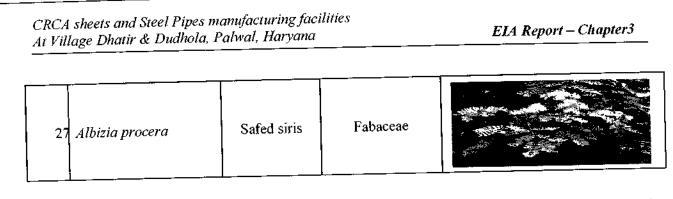
M/s Prompt Enterprises Pvt. Ltd.

. -

| 13 | <i>Delonix regia</i> (Hook.) Raf. | Guimohar | Leguminosae | |
|-----|--------------------------------------|----------|-------------|--|
| 14 | Bombax ceiba | Semal | Malvaceae | |
| 15 | Ficus racemosa L. | Gular | Moraceae | |
| 10 | Morus alba | Shahatut | Moraceae | |
| 1 | 7 Azadirachata indica | Neem | Meliaceae | |
| 1 | 8 Acacia nilotica | Babul | Fabaceae | |
| •] | 19 Ficus religiosa | Peepal | Moraceae | |



M/s Prompt Enterprises Pvt. Ltd.



Source: Remediation and Reclamation of Existing Dumpsite and construction, operation and maintenance of Sanitary Landfill at Meghpur village, Palwal, Haryana

B. Faunal Community:

(i) Core Zone: There was no unique faunal community within the core zone of the project site

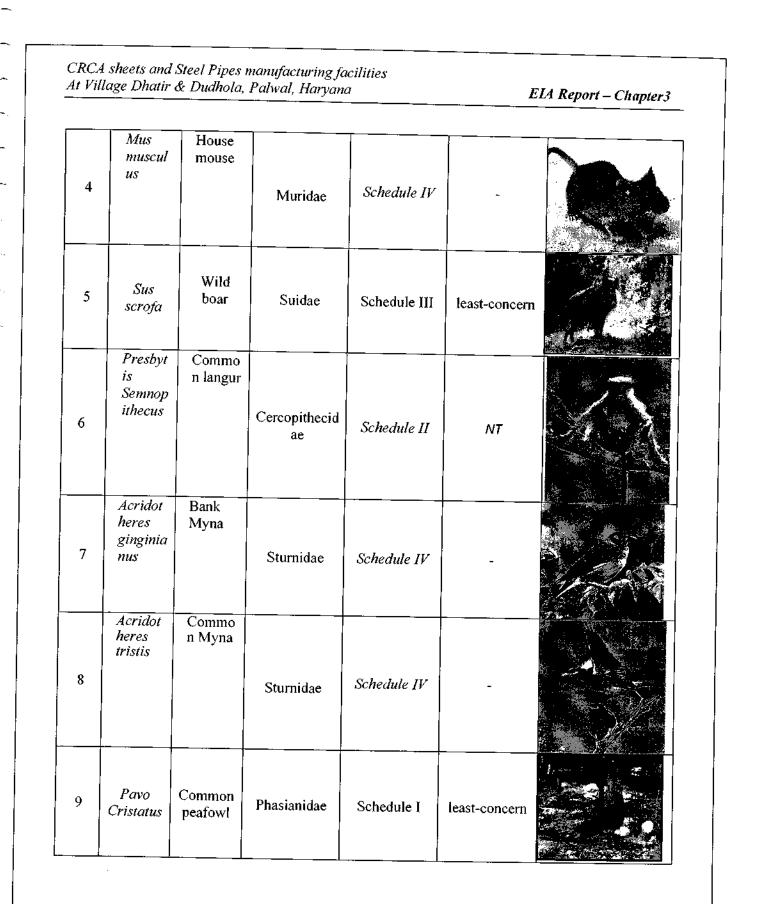
(ii) Buffer Zone: The species observed in Buffer zone (10 km around the project area) are given in Table 3.17. No threatened, rare, endangered or endemic species were observed during the survey in Buffer Zone (500 m radius around the project site).

| S. No. | Scientifi c Name | Commo n Name | Family | Schedule as per WPA, 1972 | IUCN Status | Image |
|-----------|------------------------------------|------------------------------|--------------|---------------------------------|-------------|-------|
| l | Bandic ota indica | Greater bandico ta rat | Muridae | Schedule IV | - | |
| 2 | Lepus nigricol lis | Indian Hare | Leporidae | Schedule IV | _ | |
| 3 | Rousett us leschen aultia | Bat | Pteropodidae | Schedule V | - | |

| Table 3.17: List of Fauna of the Buffer Zone (10 km Radius) |
|---|
|---|

M/s Prompt Enterprises Pvt. Ltd.

~



| V 11142 | <u></u> | | alwal, Haryana | | | |
|---------|---------------------------|----------------------|----------------|-------------|---------------|---|
| 10 | Aethopy ga siparaja | Sungbir d | Nectariniidae | Schedule IV | - | |
| 11 | Anthus rufulus | Pipet | Motacillidae | Schedule IV | - | |
| 12 | Apus apus | Commo n swift | Apodidae | Schedule IV | - | K |
| 13 | Passer domesti cus | House Sparro w | Passeridae | Schedule IV | - | |
| 14 | Bubo bubo | Owl | Strigidae | Schedule IV | - | |
| 15 | Passer domestic us | Sparrow | Passeridae | Schedule II | least-concern | |

3.9 SOCIO-ECONOMIC ASSESSMENT

In order to get the ideas of socio-economic status of people living in the study area of 10 km buffer from our project residential plotted colony secondary data were collected and analyzed. Considering the various Quality of Life (QoL) indicators, and satisfaction level of the residents of the study area, an

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

EIA Report - Chapter3

attempt was made for developing the QoL of a family and the community as well.

The broad objectives of the socio-economic impact assessment are as follows:

- a) To study the socio-economic status of the people lives in the study area of the Proposed Revision and Expansion of group housing colony.
- b) To assess the impact on socio-economic environment due to Proposed Revision and Expansion of group housing colony.
- c) To assess the impact of the project on State Gross Domestic Product (SGDP)
- d) To evaluate the community development measures proposed to be taken up by the Project Proponent, if any.
- e) To suggest Community Development measures needs to be taken for the study area

3.9.1 Methodology

The methodology adopted for impact assessment is as follows:

- a) The details of the activities and population structure have been obtained from Census 2011 and analyzed.
- b) Primary data was collected by a door-to-door survey in urban area and household's living there in. The data collected during the above survey was analyzed to evaluate the prevailing socioeconomic profile of the area.
- c) Based on the above data, impacts due to construction operation on the community have been assessed and recommendations for further improvement have been made.

3.9.2 Concept & Definition

a) Study Area: The study area, also known as impact area has been defined as the sum total of core area/project area and buffer area with a radius of 10 Kilometers from the periphery of the core area/project is. The study area includes all the land marks both natural and manmade, falling herein.

b) Household: A group of persons who normally live together and take their meals from a common kitchen are called a household. Persons living in a household may be related or unrelated or a mix of both. However, if a group of related or unrelated persons live in a house but do not take their meals from the common kitchen, then they are not part of a common household. Each such person is treated as a separate household. There may be one member households, two member households or multi-member

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report – Chapter3

households.

c) Sex ratio: Sex ratio is the ratio of males to females in a population. It is expressed as number of females per 1000 males.

d) Literates: All persons aged 7 years and above who can both read and write with understanding in any language are taken as literate. It is not necessary for a person to have received any formal education or passed any minimum educational standard for being treated as literate. People who are blind but can read in Braille are also treated as literates.

e) Literacy rate: Literacy rate of population is defined as the percentage of literates to the total population aged 7 years and above.

f) Labour Force: The labour force is the number of people employed and unemployed in a geographical entity. The size of the labour force is the sum total of persons employed and unemployed. An unemployed person is defined as a person not employed but actively seeking work. Normally, the labour force of a country consists of everyone of working age (around 14to 16) and below retirement (around 65) that are participating workers, that is people actively employed or seeking employment. People not counted under labour force are students, retired persons, stay-at home parents, people in prisons and discouraged workers.

g) Work: Work is defined as participation in any economically productive activity with or without compensation, wages or profit. Such participation may be physical and/or mental in nature. Work involves not only actual work but also includes effective supervision and direction of work. The work may be part time or full time or unpaid work in a farm, family enterprise or in any other economic activity.

h) Worker: All persons engaged in 'work' are defined as workers. Persons who are engaged in cultivation or milk production even solely for domestic consumption are also treated as workers.

i) Main Workers: Those workers who had worked for the major part of the reference period (i.e. 6 months or more) are termed as Main Workers.

j) Marginal Workers: Those workers who did not work for the major part of the reference period (*i.e.* less than 6 months) are termed as Marginal Workers

M/s Prompt Enterprises Pvt. Ltd.

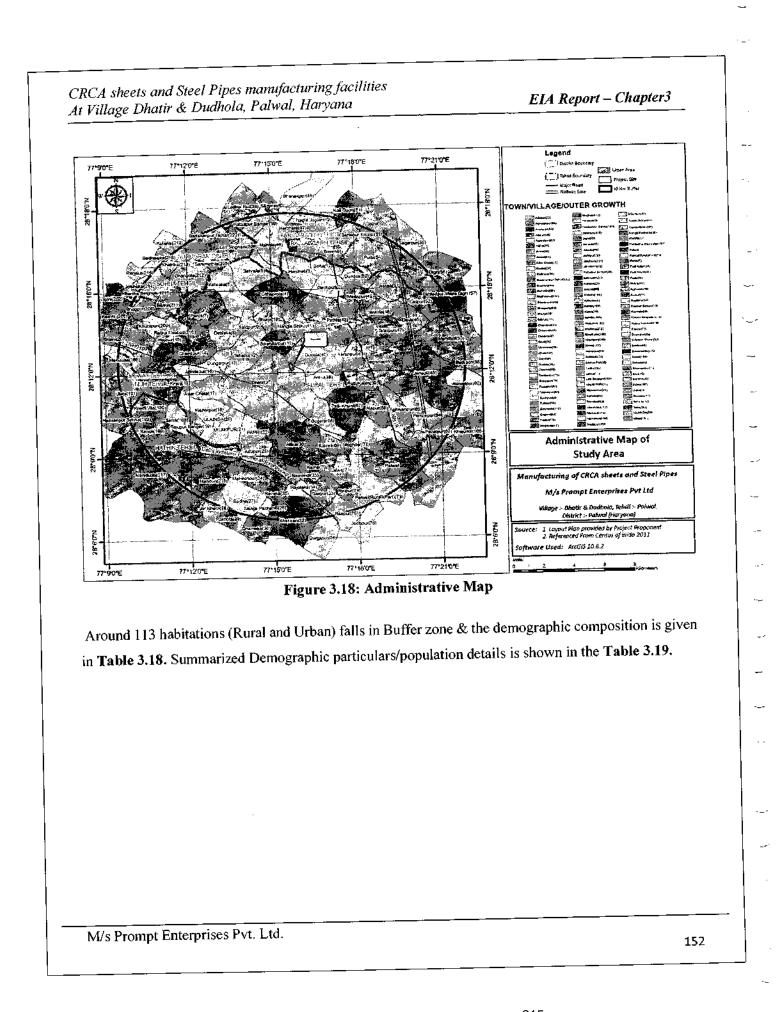
EIA Report – Chapter3

k) Work participation rate: The work participation rate is the ratio between the labour force and the overall size of their cohort (national population of the same age range). In the present study the work participation rate is defined as the percentage of total workers (main and marginal) to total population.

3.9.3 Findings of the-secondary data collection

Demographic particulars of the study area based on decadal growth rate

Prompt Enterprises Project is located in Village Dhatir & Dudhola, District Palwal, Haryana state, India. An attempt has been made to estimate the population of the study area by using the census 2011. The administrative map of the study area is shown in the Figure 3.18 and attached as *Annexure XIV (a)*.



3191551/2024/Estt.Br

들크 9 Ľ'Ę Ś 9 L'I 6 9 ч Ц LI^IN 5 ſ P 0 ELA Report – Chapter3 STI STI Q Q Q Q Q Q **Table 3.18: Demographic profile of Study Area** -. $\Sigma_{\rm T}$ Q Q C Q \circ Q Q ¢ ST P Q Q Q ¢ ч. Sci^т \$ 24 ∽ I ∞ \mathbf{c} _ 69 0 $\mathbb{S}_{l}\mathbb{X}$ [2] SCP - 28 2 3 - -6 33 4 36 87 13 Se Ra tio 7 89 6 9 . ŝ 2 ω ° ~ нон ч 52 -45 53 13 5 2 _ \sim CRCA sheets and Steel Pipes manufacturing facilities 4 $\mathcal{L} \leftarrow \mathbf{\Sigma}$ 8 S ∞ ŝ \sim At Village Dhatir & Dudhola, Palwal, Haryana TOT ۵. Adupur(23) kural 228 H ခု Palwal Aharwan(32)kural ||21 tural 245 Palwal | Badraon(55) kural \$57 kural 561 tural tural **FRU** cural ural tural tural Palwal | Baghola(44) kurat M/s Prompt Enterprises Pvt. Ltd Alapur(66) Alawalpur(6 Aghwanpur(Asoati(51) Allika(36) Badha(27) Amru(38) Chata(17) 65) Attar ନ District Palwal Palwal Palwal Palwal Palwal Palwal Palwal Palwal Palwal ∽ ² [] m Ś ∞ φ

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

.....

. ---

•--

Ξ,

~

| | num and a land a land | | | him | | | | | | EIA | Nepo | E1A Keport – Chapter3 | lapte | | | | | | |
|----------------|---------------------------------------|------------|-----|--------------------|--------|----------|----------|--------------|----------|-------------|------|-----------------------|----------|-----|-----|----------------|------------------|------------|------------|
| | - | - | | | | | | | | | | | | | | | | | |
| Palwal | l Gailpur(33) kural 230 | kural | 230 | 1558 | 8 854 | | 4 82 | 28 6 | 159 | 7 12 | 0 | Q | - c | 847 | 576 | 170 | 112 | 278 | 133 |
| Palwal | l Gugera(68) kural 162 | kural 1 | 62 | 1010 | 10 538 | | - 2 | 14 | 9 | ~ | 0 | 0 | | 509 | 353 | 156 | 105 | 185 | 316 |
| Palwal | Harbhali(3) Eural 236 | Lirral 5 | | ر1437 ا | 762 | | 87 | 67 | 325 | 8 | | • | , | | | | | 6 | |
| | Jaindanir(16 | | | 701 701 | 70, | _ | 2 | t 4 | 600 | ~ | 5 | ₽ | ∍ | 828 | 554 | 284 | 594 | 208 | 386 |
| Palwal | | tural 165 | | 972 | 519 | _ | 3 % | ດ ຈ | 80 | 78 | 0 | 0 | 0 | 576 | 361 | 215 | 396 | 158 | 325 |
| Palwal | Tananli(15) | | | 331 | 331 | _ | <u>8</u> | = ; | | 50 | | | . | 327 | 225 | 101 | 276 | 106 | <u>8</u> 2 |
| | | | + | 0000 | א | | 7 | 5 | 622 | 2 | ∍ | 0 | 0 | - | 9 | Ś | Ś | m | 2 |
| Palwal | Jataula(48) | tural 190 | | <u>1194 63</u> 4 | 634 | _ | ۍ % | 62 0 | 164 | 6 12 | 0 | 0 | c | 723 | 432 | 102 | 471 | 202 | 960 |
| <u>Palwa</u>] | Jodhpur(78) kural [197 | ural I | | 1423 774 | 774 | | 8 e | 63 | 30 | 3 | 0 | 0 | 0 | 703 | 502 | 201 | 720 | 202 777 | 448 |
| Palwal | Jor Khera(28) | tural | 75 | 520 2 | | | 78 | 62 | 38 | 24 | 0 | 0 | 0 | 270 | 198 | 5 | 250 | 717 03 | 157 |
| Palwal | Kairaka(25) [ural] | | 12 | 474 | | | - 95 | 35 | 4 | | | | | 390 | 141 | 2 00 | | 2 2 | |
| Palwal | Kakrali(69) kural 114 | ural | | 800 | | - | | : 8 | 5 | | | | | | | ° - | 202 | 0 | |
| | | | + | | 139 | - | | \$ 4 | 5 | រុង | > | > | - - 2 | 100 | 107 | - 1 | 5/4 | [4] | 233 |
| <u>Palwal</u> | Kalwaka(6) kural 407 | tural 4 | _ | 2633 | | | | 0 | 235 | - v | 0 | 0 | 0 | 2°s | 681 | 324 | 2 2 2 2 | 714 | 014 |
| Palwal | Kanoli(189) kural 140 | kural 1. | | 809 4 | | | | 32 4 | 181 | ω <u>1</u> | 0 | 0 | - | 453 | 323 | 130 | 356 | PC1 | 33 |
| • | | , | | | 104 | | <u> </u> | 48 | <u> </u> | 22 | | - | | 103 | | 2 | 2 | + 7 | 101 |
| <u>Palwal</u> | | tural 293 | - | 2024 | | · | -+ | S | 260 | S | • | 0 | 0 | 5 | 703 | 332 | 989 | 345 | 644 |
| Palwal I | Khajurka(16 | ural 237 | | 1563 18 | 856 | | · | - <u>9</u> 6 | 517 | 4 4 4 | | - | - | | | | | | |
| Palwal | Kherli Jita(190) | tural 12 | | | ┦╍╴╶━┥ | 39 | 93 0 | 9 - | 51 | 50 | 0 | > 0 | - | | 277 | 2C2 | 369 | 150 | <u>519</u> |
| ot Enter | M/s Prompt Enterprises Pvt. Ltd. | | | | | | | | | | | | | | | | | | |
| : | · · · · · · · · · · · · · · · · · · · | : | | | | | | | | | | | | | | | | | |

| 428 649 0 0 0 7 143 244 | _+ | | | 102 | | ン | EIA Report – Chapter3 22 | EIA 22 | | 49 | i | | | ng n | 2 2 | | lainguctu Palwal, H | steet ripes manujacuu & Dualhola, Palwal, H Kishornur(18 | CRCA sheets and Steel Pipes manufacturing Jacuines At Village Dhatir & Dudhola, Palwal, Haryana Kishornur(18 111 |
|---|------------|-------|-------|----------|-------|----------|-----------------------------|--------------|----------|----------|----------|-------------|------------|--|------|-------------|--|--|---|
| 143 | 0 | 0 338 | - 685 | <u>-</u> | o c | <u> </u> | 00 | 60 | 563 | | _ _ | | - 3 | 2100 | 332 | | lural | lural | (<u>)</u> |
| | 387 | 177 | 345 | 522 | 0 | 0 | | 0 12 | 151 | - 27 | ~ % % | - 4 | | - 606 | v | <u>- </u> - | tural 135 | Ladpur(32) Aural 1 I alwa(71) Aural 13 | Deliver Ladpur(32) kurai 1 Deliver 1 Ladpur(32) kurai 13 |
| 1 320 561 | 1 881 | 254 | 590 | 844 | 0 | 0 | | | | | | <u> </u> | | 1725 | 4 | -1-2 | 2 1 1 2 2 4 1 2 6 4 | | Maheshpur(2 |
| | | | | 136 | 0 | 0 | 0 | | 240 | | | | 2 124 | 2342 | | 13-1 |)tural 37 | Mandkol(53)kural 37 | Mandkol(53) |
| c17 2 | <u>5</u> 6 | 81 O | 289 | 425 | 0 | 0 | 0 | | 779 | | | | 505 505 | 9316 | 0 | 140 | 1 14 117 | Mandkola(21 14 | Mandkola(21 |
| 0 304 536 | 8 840 | 288 | 625 | 913 | 0 | 0 | 0 | <u> </u> | ┣─── | <u> </u> | | <u>8</u> 4 | 3 929 | 1753 | | <u> </u> | Intal | Manduri(218 | Manduri(218 |
| 4 117 217 | 3 334 | 113 | 267 | 380 | 0 | 0 | 0 | | 78 | 40 | · · · · | <u> </u> | | 714 | 1 er | | 11 lenulu | 11 Isur (0) made M | Modemir(10) |
| 7 170 207 | 0 377 | 130 | 201 | 331 | 0 | _0 | 0 | 29 | <u> </u> | | | | | 708 | 51 C | | When 11 | Mechnin (72) linal 11 | Detwel Mechanin(7) liral 10 |
| 0 | - - | 0 | 0 | _0 | | 0 | 0 | 0 | 0 | | | | T | } | | | R | MILAKPUR | Dolured MILAKPUR |
| 2 133 239 | 6 372 | 9 156 | 309 | 465 | | 0 | 0 | <u> </u> | | ┢- — | · | <u> </u> | <u> </u> | 837 | 1 10 | | | Miranpur(43 | |
| 9 123 246 | 9 369 | 5 179 | 386 | 565 | | 0 | 0 | 2 <u>1</u> 4 | 163 | 30 | | 5 5 5 | | | I 1~ | 1 137 | tural | Nangla Rhikn(41) tural | Nangla Rhikn(41) tural |
| 48 | | | | 235 | -0 | | 0 | | | | | | | 370 | | 144 | 6.Rural 44 | Nangli Pachanki/26)tural 144 | Nangli Pachanki/261tural |
| (2 283 389 3 3 0 | 5 6/2 | 0 165 | 5 370 | 535 | | | 0 | 8 21 63 | 248 | | 9 4 | | 653 794 | | 5 - | al 0 | al 20 | Palwal(Rural 20)(Part)(73) kural 0 | Palwal (Rural 20 Palwal (Rural 20 |
| 5 9 16 | 28 25 | - + | 36 | 64 | | _ | 0 | | 0 | | | | 45 | 89 | | <u> </u> | | PAPRI(22) | PAPRI(22) |
| 54 194 270 | 125 464 | | 7 252 | 377 | 0 | | | 0 0 0 | 119 | 23 | | 6 39 6 5 | | | ା ଆ | all | 1 | Paroli(7) | Paroli(7) |

| Datli | | | | | | | | | | | | | | | |
|--------------------------------|--------|----------|-----------|------------|-------------|----------|-------------|---|----------|----------|----------|------------|---------------------------------------|----------|----------|
| Kalan(39) kural 35 | 219 | 124 | 95 | 6 6 | 0 | | | | |) 130 | 16 0 | 30 | | 33 | 3 56 |
| Patli Khurd(67) tural 213 | 1274 | 694 | 58 0 | | 45 | 26 | 19 | 0 | | | | | <u> </u> | ļ | |
| Pirthla(42) kural 971 | 6300 | 341 0 | 28 90 | 84 8 | 91 0 4 | 496 | 44 | 0 | | 360 | I | | | | |
| Raipur(74) kural 161 | 1020 | 553 | 46 7 | 84 4 | ~ | | | | <u> </u> | 483 | | ┣━━ | <u>~</u> | | 0 317 |
| Rajolaka(34) ural 95 | 709 | 386 | 32 3 | 83 7 | 0 | 0 | | 0 | - | | | | · | <u> </u> | |
| Rajupur Bangar(19) kural 15 | 89 | 49 | 40 | | 0 | 0 | 0 | 0 | 0 | | | | | | |
| Rakhota(29) kural 139 | 932 | 508 | | | - 12 | 36 3 | 35 (| 0 | 0 | | | 7 133 | | | <u> </u> |
| Ratipur(75) kural 234 | 1542 | 845 | | | 20 | | ļ | | | | | | + | <u> </u> | <u></u> |
| Saidpur(9) kural 6 | 28 | 16 | | 75 0 | | | <u> </u> | 0 | | | · | | | <u> </u> | |
| Saroli(188) ural 272 | 1744 | 937 | 80 | | 28 4] | | 13 7 0 | | | | <u> </u> | <u>م</u> ا | | <u> </u> | - · · |
| Sehrala(5) kural 247 | 1734 9 | 106 | | ļ | | 177 | | 0 | <u> </u> | | <u> </u> | | · · · · · · · · · · · · · · · · · · · | + | + |
| Sikandarpur(11) kural 195 | | 773 | 35 | 4 82 61 | 34 34 | 188 | 5 I 5 0 | | | + | <u> </u> | | | + | |
| Softa(1) kural 54 | 1122 5 | 592 | · | <u> </u> | | | 68 | | | | <u> </u> | | | | + - |
| Tatarpur(47) kural 111 | 744 | 409 | | · | <u> </u> | <u> </u> | | 0 | | | | | | <u> </u> | |
| Teharki(12) kural 330 | 1952 | 105 1 | ļ_ | | 4 4 2 | | 3 22 3 0 | | <u> </u> | <u> </u> | | | ┨ | | |

| - | | At Village Dhatir & Dudhola, Palwal, Haryana | alwal, Hai | At Village Dhatir & Dudhola, Palwal, Haryana | | | | | | EIA Report – Chapter3 | hoda | - Cha | pter3 | 1 | | | | | |
|-----------|---------------|--|------------|--|-----------|----------|---------|----------------|-----|-----------------------|------------|--------|----------|-------|-------------|---------------------|-------------------|----------|-------|
| 4 L | | ULAINDA(2 | | | | | | | | | | 0 | | | | -0 | | 0 | 0 |
| с | Faridah | Faridah Bhanakmir(4 | | | _ | | _ · | | | | - | , , | \vdash | i | <u>+</u> | | 122 | | |
| 76 | ad | | tural #12 | 2705 | _ | | | | 240 | _ | 0 | 0 | - | | | 1 490 | + | 482 | 747 |
| | Faridab | | | | 184 7 | | | | | 57 | - | | | 192 | 3 (| 687 | - <u>1</u> 21 | 610 | 903 |
| - 11 | - 90 - |) (oc)ugin | kural pu4 | 5455 | _ | | _ | | + | | | > | + | - | + | + | ┢ | | |
| 78 | Faridab | Harphala(47)kural 19 | ural 119 | 795 | | | | | 110 | 79 | 0 | • | 0 | 463 3 | 306 | 157 | 332 | 127 | 205 |
| | ab_ | | | | | | | | | 18 | | | | | | _ | | ŗ | 52 |
| 79 | ad | Jajru(52) | tural 344 | 2185 | | | - 1 | \rightarrow | 245 | - | 0 | - | _ | -+- | 7 108 | 604 | 8/9 | 24/ | 700 |
| 60 | Faridab ad | Kabulpur Bangar (39) | ural 137 | 837 | | 39 6 | 68 8 | 5 12 | 64 | 58 | 0 | 0 | 0 4 | 486 | 319 | 167 | 351 | 122 | 229 |
| 3 | Faridab | | | T. | | | + | | | 13 | | | | | | | | | |
| 81 | ad | - | tural 150 | 1043 | 573 | _ | | | 141 | 6 | - | 0 | 0 | 47 | 330 | 117 | 596 | 243 | 353 |
| | Faridab | 1 | | | | | | Ş | | ; | | | | | ;; | 17 | 810 | 247 | 468 |
| 82 | ad | Pur(38) | tural 55 | 1079 | 564 | - | | 6 | 5 | 28 | ∍ | ⇒ | | 707 | 777 | +- | + | | |
| 92 | Faridab | Mahola(46) Iural 209 | ural 2.09 | 1339 | 734 | | | 9 2 | 297 | 5 7 | 0 | 0 | 0 | 721 | 494 | 227 | 618 | 240 | 378 |
| 3 | Faridab | Nagla | | | | - | – | <u> </u> | | 26 | | | | | | , i | 53 | ç | 100 |
| 84 | ad | 6 | tural 242 | 1455 | 796 | _ | | | 320 | ╡ | 0 | - | • | 86 | 247 | 102 | | 747 | 400 |
| | Faridab | Pahladpur Majra Digh | | | 106 | 93 | 87 | | | 53 | | | | | | 02.5 | 100 | 5/2 | \$61 |
| 85 | ad | (57) | tural 293 | 1994 | m | - | 9 | \rightarrow | 232 | ~ ~! | - - > | ∍ | > | | | | 177 | f | |
| 90 | Faridab | Piala(54) | tural 698 | 4027 | 237 | 16 50 | 69 4 | 37 | 562 | s 4/ | 0 | - O | 0 | 6 | - 7 7 | 647 | <u>}</u> % | 735 | 3 |
| 3 | Faridab | | | | | 12 | 86 | <u></u> | | 34 | | | | | | 000 | 115 | | 707 I |
| 87 | ad | Sagarpur(55)kural 394 | kural 394 | 2627 | - | 16 | 2 | -+ | 396 | ŝ | - | 5 | ⇒ | | 404 | 600 | ╈ | <u>}</u> | 101 |
| | Faridab | | | 0.55 | | 32 | 62 9 | | 257 | 8 . | | Ģ | | | 304 | 138 | 296 | 107 | 189 |
| 8 2 | Earidah | (cc) punuy | 122 | or/ | <u>19</u> | 17 | 79 | + | - | 58 | , , | | + | 220 | 139 | | 173 | | |
| 68 | ad ad | Sikri(48) | tural 677 | 3935 | | 43 | 5 | 76 | 969 | 0 | 0 | • | 0 | | | 814 | 0 | 801 | 929 |
| | | | | | | | | | | | | | | | | | | ł | |
| VI/s Pro: | mpt Entel | M/s Prompt Enterprises Pvt. Ltd. | d. | | | | | | | | | | | | | | | | |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 319t551/2024/Estt.Br

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | 125 | 40 | 587 | 243 | 75 | 217 | 288 | 844 | 195 | 347 | | 160 |
|---|--------------------|-------|--------------|-------------|------------|-------------------------|-----------------------------|---------------|------------|----------------|-------|---------------------------------|
| | 84 | 25 | 373 5 | 153 2 | 09 | 136 2 | 171 | 585 | 109 | 288 | I | |
| | 209 8 | - 29 | 960 3 | 396 1 | 135 | 353 | | 9 142 | 304 | 635 | | |
| | 117 2 | 36 | 449 9 | 212 3 | 64 | 144 | 163 4 | 359 | 190 | 211 0 | | |
| | 1 1 | 64 | | 402 | 103 | 267 | 348 | 725 | 356 | 378 | | |
| | 287 1 | | 125 0 8 | 614 4 | 167 | 411 | ł | 108 4 | 546 | 589 | | |
| | 0 2 | 0 | 0 | 0 | | 0 | 0 | - 0 | 0 | -0 | | |
| | 0 | 0 | 0 | 0 | 0 | - 0 | 0 | 0 | 0 | 0 | i | |
| | | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 13 | 0 | 7 | 97 | 23 | 40 | 10 | 6 13 | e S | 52 | | |
| | 19 | 0 | 233 | 110 | 31 | 45 | 118 | 138 | s. | 52 | | |
| | 32 | • | 45 | 20 7 | 54 | 85 | 0 33 | 27 | ~~~ | 5 4 | | |
| | - 3 5 | 4 85 | ~ 88 | 82 0 | 85 3 | 68 6 | 86 98 | <u>1</u> 6 ∞ | ∞ & | 8 ∞ | | |
| | 24 | 76 | 10 36 | 45 S | 9 | 36 | 45 | ¹² | v % | 55 8 | | |
| | 254 | 68 | 4 | | | 403 | 519 | | | | | |
| | 496 | 165 | 2210 | 1010 | 302 | 764 | 970 | 2513 | 850 | 1224 | | |
| | 44 | | 355 | 174 | 46 | 131 | 150 | 308 | ural 150 | ural 189 | | |
| | ural | ling! | tural 855 | | | tural | lins! | 11ral 398 | | | | <u>.</u> |
| | Ranika Singhola | | Saramathla(2 | Silani(207) | Tolni(202) | Hassanpur Sohna(192) | Mewat Kaliaka(185)thral 150 | K irani(187) | Manuwas(18 | Uleta(191) | 1 + C | M/s Prompt Enterprises PVL. Lta |
| ŗ | Gurugr | 15. | Gurugr | Gurugr | Gurugr | Mewat | Maurat | Maruat | Mawaf | Mewat | | mpt Enter |
| | 10 | 2 4 | 01 4 | <u> </u> | 2 ~ | 2 0 | | >= - | - = ~ | v ∐ ∾ | ť | /s Pro |

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

~

EIA Report – Chapter3

Table 3.19: Summarized Demographic particulars/population details

| S. No. | Description | Number | Percentage to Respective Total |
|---------------------------|-----------------------------|-----------|--------------------------------|
| | Total Population | 194671 | |
| | Male | 105002 | |
| | Female | 89669 | |
| | Sex Ratio | | 838 |
| | Population (0-6 age group) | 36263 | 100 |
| `` | Male | 19836 | 54.7 |
| 4 5* ; | Female | 16427 | 45.3 |
| | Sex Ratio | <u></u> | 828 |
| | Population-Scheduled Caste | 45604 | 100 |
| 1 | Male | 24399 | 53.5 |
| | Female | 21205 | 46.5 |
| | Sex Ratio | | 869 |
| *. . | Population- Tribe Caste | 0 | 0 |
| | Male | 0 | 0 |
| | Female | 0 | 0 |
| | Sex Ratio | | 0 |
| | Total Literates | 103046 | 100 |
| | Male | 69056 | 67.02 |
| 5 | Female | 33990 | 32.98 |
| ngi 4 | Gender Gap in Literacy Rate | | 34.04 |
| dina <u>an</u> tri ate | Overall Literacy Rate | | 52.93% |
| en en elsen Talen | Total Workers | 76460 | 100 |
| | Male | 47796 | 62.51 |
| 6 | Female | 28664 | 37.49 |
| | Gender Gap in Work | - <u></u> | |
| | Participation Rate | | 25.02 |
| 7 | Main Workers | 48817 | 100 |
| | Male | 37811 | 77.45 |
| | Female | | 00 CE |
| · · · | Gender Gap in Work | | |
| | Participation | | 54.9 |
| <u>e</u> | Rate | | |
| 9 | Marginal Workers | 27643 | 100.00 |
| _% | Male | 9985 | 36.12 |

M/s Prompt Enterprises Pvt. Ltd.

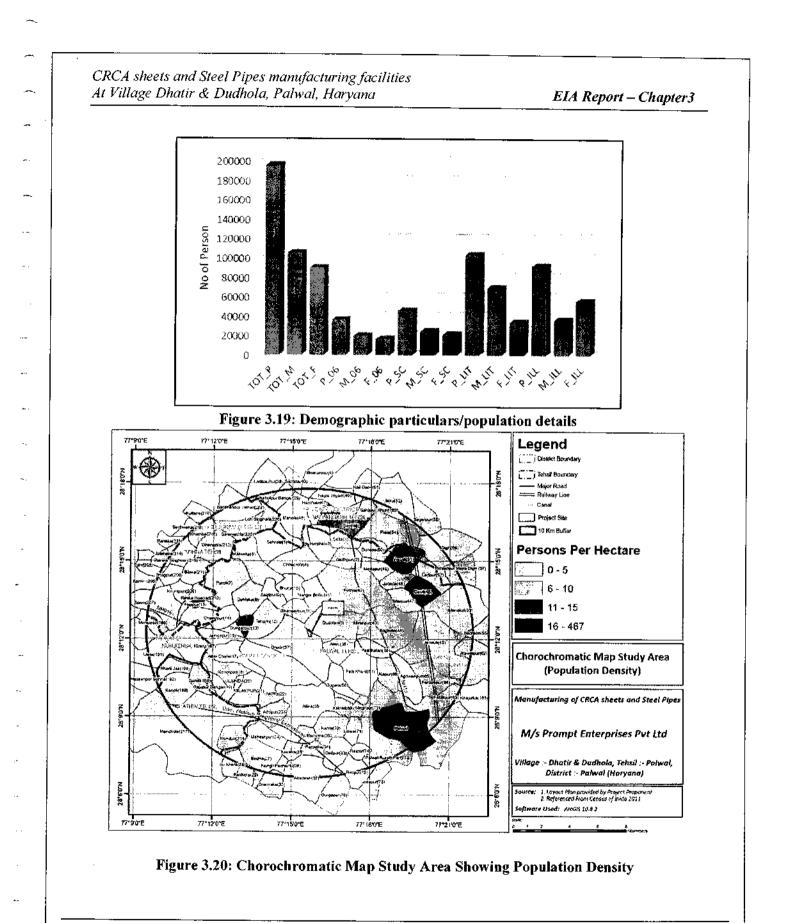
> CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report – Chapter3

| 1. | Female | 17658 | 63.88 |
|--|---|-------|-------|
| | Gender Gap in Work Participation Rate | | 22.58 |
| allandar and | Household Industrial Workers | 1552 | 100 |
| 10 | Male | 972 | 62.63 |
| | Female | 580 | 37.37 |
| | Total Agricultural Workers | 26065 | 100 |
| 11 | Male | 18820 | 72,20 |
| | Female | 7245 | 27.80 |
| | Cultivators | 22095 | 100 |
| 12 | Male | 16043 | 72.61 |
| | Female | 6052 | 27,39 |
| | Agricultural Labour | 3970 | 100 |
| 13 | Male | 2777 | 69:95 |
| | Female | 1193 | 30.05 |
| | 'Other Workers' | 21200 | 100 |
| 14 | Male | 18019 | 85.00 |
| · · · · · | Female | 3181 | 15.00 |

Population Composition

According to Census 2011, total population of the study area has been worked out as 194671 in which 105002 (53.94 %) are males and remaining 89669 (46.06 %) are females. Graphical representation of the Demographic particulars/population details is shown in the Figure 3.19. Chorochromatic Map Study Area Showing Population Density is shown in the Figure 3.20 and also attached as *Annexure XIV (b)*.



M/s Prompt Enterprises Pvt. Ltd.

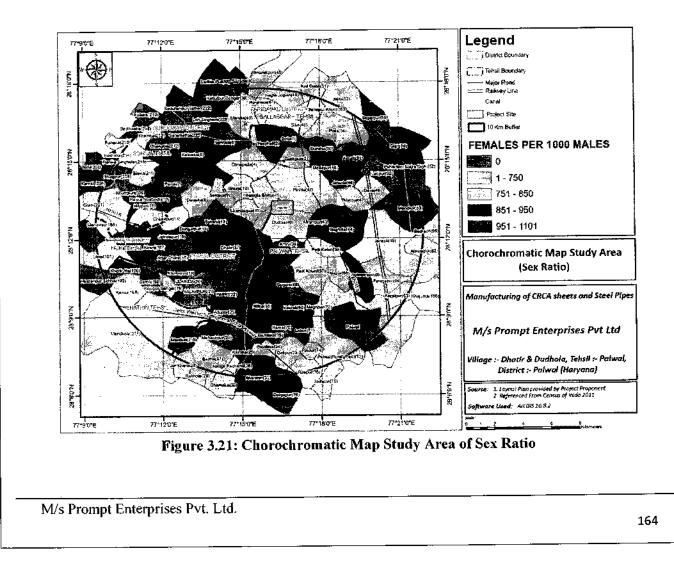
CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

EIA Report – Chapter3

Overall sex ratio in the study area has been worked out as 838 females per 1,000 males which is lesser than the State sex ratio (856 females per 1000 males). Chorochromatic Map Study Area of Sex Ratio is shown in the Figure 3.21 and also attached as *Annexure XIV (c)*.

Child Population Distribution

In the study area, the total child population of age group of 0-6 year has been worked out to 36263 which constitute about 18.62 per cent of the total population. Of the total child population, 54.7 per cent are boys and remaining 45.3 per cent are girl child. The sex ratio of population in this age group is 828 girls per 1,000 boys which is lesser than the state child sex ratio (830 girls per 1000 boys) in the same age group.



ELA Report – Chapter3

Social Group Population Distribution

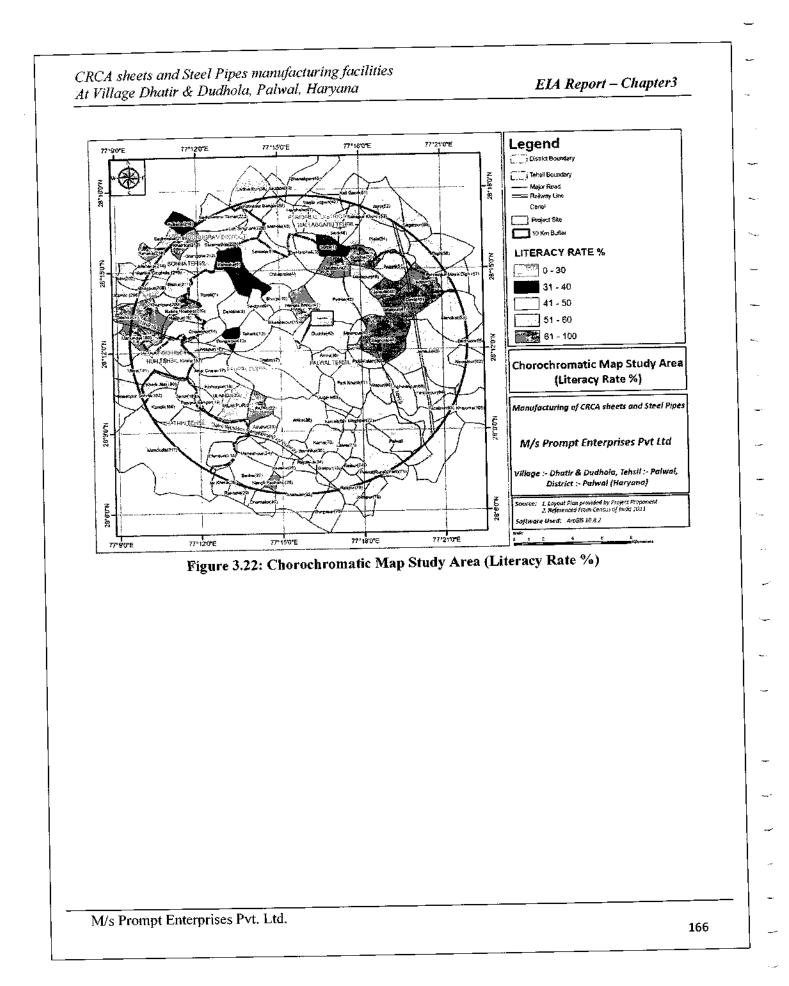
In the study area, Scheduled Caste population is 45604 which constitute 23.43 per cent of the total population of the study area. Of this, 53.5 per cent is male and remaining 46.5 per cent is female. The sex ratio among Scheduled Caste population has been worked out to 869 females per 1,000 males. Haryana has no scheduled Tribes population and there are 0 people belonging to Scheduled Tribe population in the study area as per Haryana Census 2011.

Household and Household Size

The entire population of the study area is distributed into approx. 30228 households and the average household size is 6 person/household.

Literates, Literacy Rate and Gender Gap in Literacy Rate

In the study area, 103046 of the population is literate in which 67.02% are male and 32.98% are female literates. The overall literacy rate has been worked out to 52.93% which is less than State literacy rate 76.64%. The male literacy rate is 67.02 % and female literacy rate is 32.98%, creating a gender gap in literacy rate of 34.04%. Chorochromatic Map Study Area of Literacy Rate % and Illiteracy % is shown as **Figure 3.22 and 3.23** and attached as *Annexure XIV (d) & (e)*, respectively.



....

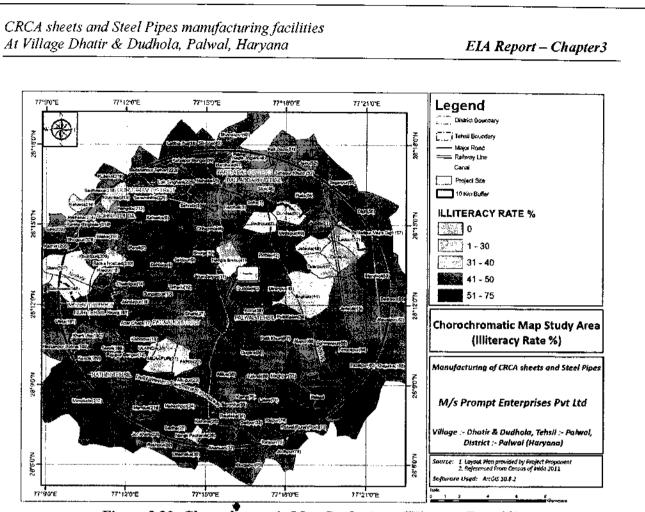


Figure 3.23: Chorochromatic Map Study Area (Illiteracy Rate %)

Workers and Work Participation Rate

Chorochromatic Map Study Area showing Working Population % is shown in the Figure 3.24 and attached as Annexure XIV (f). Based on Census 2011, total number of workers in the study area has been worked out to 76460 which constitute 39.28% of the total population. Of the total workers, 62.51 % are males and the remaining 37.49% are females. In absolute term, the total number of male workers is 47796 and that of female is 28664. The gender gap in work participation rate is 25.02%.

Further, out of the total workers 48817, 63.85 per cent are main workers and the remaining 36.15% is marginal workers. Of the total main workers 77.45 per cent are male and remaining 22.55 per cent are female which creates a gender gap in work participation of 54.9 per cent. In case of marginal workers, 36.12 per cent are male and 63.88 per cent are female that creates a gender gap of 27.76 per cent in this segment of work participation. Regarding the people working in agricultural sector, 84.77% are Cultivators and remaining 15.23% are Agricultural Labour.

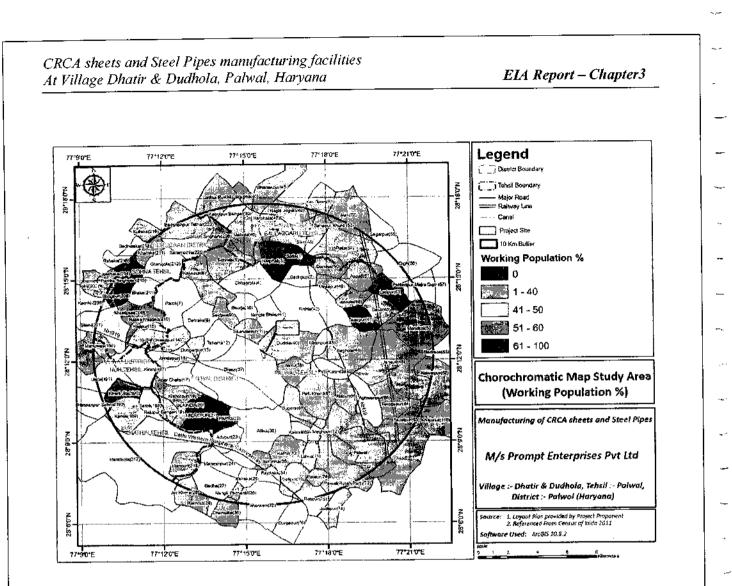


Figure 3.24 Chorochromatic Map Study Area showing Working Population %

Infrastructure/Amenities of study area

The surrounding area is mixed land use. Different industries are located near the project site. Apart from these industries, residential area has gradually developed around this project site. Social infrastructure facilities available near the plant includes bus stand, hospitals, schools, water supply, banks, post offices etc. are within reach.

Education Facilities

There are numerous educational institute facilities surrounding the project area. B.M. Modal School, Dudhola, Palwal, Haryana is located at a distance of approximately 0.6 Km in the NE direction & SLD College, Prithla - Sehrala Rd, Chhaprola, Haryana is located at approx. 4.6 Km in North direction from

M/s Prompt Enterprises Pvt. Ltd.

EIA Report – Chapter3

the project site.

Medical Facilities

The study area is having good institutional & medical facility. Most of them are private hospitals, clinics and nursing homes. Most of the medical institutions operate 24x7 and many are of world class standard. The Om Premia Hospital, Delhi- Mathura Road is located 7.1 Km in ESE direction from the project site. *Drinking water facilities*

In the study area the main source of drinking water is tap water. In high rise buildings water is drawn with the help of power full motors and submersible pumps. In multistoried buildings there are water storages in which water is stored during fixed hours of the day and the same is available to the dwellers all throughout the day. The area faces water shortage during dry season when water supply gets erratic. The local government is emphasizing on setting up of rainwater harvesting structures for storing and recharging of groundwater.

Supply of Electricity

All the settlements in the study area have been fully electrified. Power supply is available for all types of uses namely domestic, agriculture and industrial. People in the study area consume power mostly for domestic, commercial and industrial uses. Due to rapid urbanization the demand for power for agricultural uses is fast declining. The demand for power is ever increasing due to increase in population, trade and industries.

Transport and Communication

The plant is well connected by Prithla- Dhatir Road which is directly connected to the NH- 919 Highway. Asaoti - Railway station is also located at 8.08 km from the plant.

Banking facilities

The study area is well served by banks and other financial institutions. Most of the commercial Banks including nationalized and private banks have opened their branches in the study area.

3.9.4 Socio-economic Impact of the Project

1. Impact on Demographic Composition

This is an existing project operational since 2008. At present, there is no further significant increase in overall population of the study area due to the existing project as preferably local people are recruited for employment. Since there is no significant change in population, the overall sex ratio will remain more or less same.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

ELA Report – Chapter3

2. Impact on Employment Opportunities

It is expected that a satisfactory number of people get direct employment opportunities including skilled and unskilled workers along with some indirect employment opportunities. The benefits of employment to the job seekers are expected to include, at a household and individual level, in increase in socioeconomic and health status, improvement to their quality of life & living condition, and the benefits from greater household expenditure on education & healthcare resources.

3. Industrial Development

It may be expected that in future the scope for further industry movement will increase towards the similar projects in the states and across the nation.

4. Impact on Law & Order

No major law & order problem is experienced so far due to the project. It is expected that the workers attend to their duties from their residences and return to their homes after the day's work.

3.9.5 Conclusion

The project activities would continue to contribute to the local economy by providing direct or indirect employment opportunities and recycled revenues through the local economy. Indirect impacts could occur as a result of new economic development (e.g. new jobs at businesses that support the expanded workforce or that provide project materials). The opportunity for further industry development may increase towards the similar kind of projects to support production of the Metallurgical Industrial products. With time, the occupational pattern of the people in the area has changed making more people engaged in industrial & business activities due to which local people got opportunity to enhance their social & economic status.

Aside, the study area has ample scope for further development or improvement in education and health sectors in addition to provide better education & health facilities for achieving better quality or standard of life to the people residing in the area. Based on the observation, the institutions for basic health facilities as Primary Health Centre (PHC), Hospital/ Dispensaries, Maternity & Child Welfare Centre and Community Health Centre etc. can be established or increased& enhanced in context to provide better health facilities in the area.

3.10 Traffic Density

The project is well connected by Prithla- Dhatir Road which is adjacent to project site which in turns

M/s Prompt Enterprises Pvt. Ltd.

EIA Report ~ Chapter3

directly connected to the NH-919 Highway. The project is self-sustained and integrated in the social infrastructure needs, like infrastructure and services include road network. Hence, will not create any load to the existing road and transport networks nearby.

Internal roads of adequate width, fire tender road had been well planned for the project. The design considerations of the roads will be based upon the capacity of the vehicles/ truck and accordingly ROW will be maintained as per the UDFPI guidelines and state bye laws.

Traffic calming will be specially taken care near the schools, hospital, community facility zones, for that the following measures will be undertaken:

- 1. Installation of the speed humps by raising the surface of the roads and streets in certain spots.
- 2. Speed table, build outs etc.
- 3. Space for vehicles at the entrance gate for checking before entry

Strategically, maintaining the entry & exit points so as not to disturb the existing traffic. A Traffic circulation plan is attached as *Annexure XV*.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 4

CHAPTER- 4

ANTICIPATED ENVIRONMENTAL IMPACTS & MITIGATION MEASURES

4.1 Introduction

Generally, the environmental impacts can be categorized as either primary or secondary. The construction and operation phase of the project comprise various activities, each of which may had some impact on environmental parameter. This chapter presents identification and appraisal of various impacts related to the project due to the activities and their suitable mitigation measures during construction and operation phase in the study area. Prediction of impacts is the most important component in the Environmental Impact Assessment studies. It helps in minimizing adverse impacts on environmental quality during pre and post project execution.

The impact identification and prediction process aims to:

Identify potential source or cause of impact throughout the life of project.

• Characterize the potential impacts affecting a target or receptor (physical, human and socio-economic).

• Proper mitigation measures as per the Environmental Management Plan (EMP).

For each category of environmental parameter (such as, ambient air quality, water quality, soils, land, etc.) the potential impacts of activities during construction and operation phases will be identified. Pollution sources & its characteristics, the potential impacts and magnitude of the impacts will be assessed and discussed in detail in following sub sections. In each case, cognizance will be already taken to mitigation measures inherited in the construction and operation phase.

4.2 Pollution Sources

The pollutants likely to be generated during construction phase of the proposed Expansion of CRCA sheets and Steel Pipes manufacturing facilities project are solid, liquid and gaseous in nature. Also the generation of pollutants could be continuous, periodic or accidental. Sources of pollutants and their characteristics during construction and operation phase are given below in **Table 4.1**.

ж,

| | | ola, Palwal, Haryan Pollutants, their Cha | aracteristics during Constru | t EIA Report - Chapte |
|---------|---|--|---|--|
| S. No. | Activity/Area | Pollutant | Sources | Frequency |
| Constr | uction Phase | · · · · · · · · · · · · · · · · · · · | • • • • • • • • • • • • • • • • • • • | ······ |
| | Site | Air emission PM, SO ₂ , CO & NO ₂ | Dust from site preparation, construction activities & excavation. Particulates matter, NO ₂ & CO from vehicle exhaust. | Temporary d construction phase. of the emissions expected from gr work & leveling. |
| 1. | preparation & construction activities | Earth/solid waste | Solid waste from excavation surplus earth & construction activities. | Temporary d construction phase. |
| | | Hazardous waste (used oil) | Power generator | Temporary construction phase. |
| | | Noise | Noise generated from construction equipment & machinery | Temporary construction phase. |
| 2. | Temporary | Sewage | Sewage generated from temporary hutments at site. | Temporary-during construction phase not continuous |
| | hutments | Solid waste | Solid waste generated from site office operation and hutments of workers at site. | Temporary-during construction phase not continuous |
| Operati | ional Phase | | | · · · · · · · · · · · · · · · · · · · |
| 1. | Vehicular movement | Air emissions, Noise generation | Vehicle exhaust emissions, blowing horn Minor oil leaks at parking | Continuous Continuous |
| 2. | Diesel generators | Oil spills Stack emissions | space SO ₂ , NO ₂ , PM, CO from fuel burning | Occasional-during p failure |

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 4

| | | Noise | Noise due to running of machineries | Occasional-during power failure |
|----|-------------------|---|---------------------------------------|------------------------------------|
| | | Hazardous waste | Used oil generation | Occasional-during oil changes |
| 3. | Solid waste | Solid waste | Municipal solid waste from workers | Continuous |
| 4. | Stack emission | Stack emission from Boiler & pickling | CO2 and Acid fumes | Continuous |

4.3 Environmental Aspects for Development of the Project

4.3.1 Environmental Aspect in Construction Phase

- Physical change in landscape due to earth work excavation and related activities.
- Soil erosion caused due to loss of vegetation and other construction activities.
- · Generation, storage and disposal of construction wastes;
- Noise pollution due to plant, machinery, equipment's and vehicle movement;
- Air pollution due to plant, machinery, equipment's and vehicle movement:
- Generation and disposal of wastewater;
- Impact on ecology;
- · Consumption of resources such as water, electricity, and diesel.

4.3.2 Environmental Aspects in Operation Phase

Impacts identified during operation of the project include major concerns such as:

- Disposal of domestic (sewage) effluent.
- Disposal of solid wastes generated from workers
- Increase in noise levels due to plant operation, transport & Gas gen set operation
- · Consumption of water and impact on water resources
- · Impact on traffic on the road and parking
- Storm water during rain
- Power requirement

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4

Aspect

·Local availability of construction material to minimize

· Reuse & recycled of tertiary treated sewage for toilet

·Selection of energy efficient construction materials

Construction material from authorized vendor

flushing, horticulture, cooling towers etc.

Rainwater harvesting through Storage Tanks

suitable, especially open & common areas

•Usage of energy efficient motors and machineries

•Usage of renewable energy such as solar lights wherever

•Maintenance of facilities such as plumbing, electrical, green area, parking place, Gas Gen Set room, solid

238

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Area

Construction material

Conservation of Water

Conservation of Energy

Aesthetics condition

Parking & Traffic Management

Energy conservation

· Reuse of treated water

in Table 4.2.

S. No.

1.

2.

3.

4.

6.

Management and maintenance project

| | | _ |
|---|-----|---|
| | | |
| | | |
| | | |
| | | |
| | ••• | |
| | | |
| • | • | |
| | | |
| | | |

M/s Prompt Enterprises Pvt. Ltd.

175

Table 4.2 Environment Aspects of Project other than Source of Pollution

the transportation cost

•Usage of recycled materials

Storm water management

Usage of LED lights

Internal road signage

· Adequate parking facilities

Greenery and landscaping

waste collection point etc

• Internal roads of suitable width

Fire tender movement provision

Treatment of domestic wastewater

Environmental aspects of the project are not just limited to impact of sources of pollution but also relate to energy conservation, water conservation and other environment friendly issues, which are mentioned

| CRCA sheets and Steel Pipes manufact At Village Dhatir & Dudhola, Palwal, | turing facilities Haryana Draft EIA Report - Chapter 4 |
|--|---|
| 7. Facilities for workers | • Rest Rooms with toilets for Security and service staffs |
| | & other basic utilities |

4.4 Identification of Impacts

The areas of environmental concerns for which the impacts and their predictions are taken into consideration are mainly:

- Topography
- Land use pattern
- Soil Quality
- Water Environment
- Air Environment
- Noise Environment
- Biological Environment–Ecological Flora and fauna
- Socio economic Environment
- Transport Infrastructure and Traffic Management
- Solid waste Management
- Infrastructure facilities (Drinking water, Electricity, Communication, Public health etc.)

The impacts can be further categorized as positive impacts and negative impacts depending upon their nature, potential and magnitude in construction phase and in operation phase.

As a first step, the entire process has been divided into a number of smaller sub-activities of operation phases. **Table 4.3** lists various activities of operation and maintenance phase and probable impacts on various sectors of environment. However, significance of most of these impacts is envisaged to be low, as discussed in the following sections.

Table 4.3: Identification of Activities and Probable Impacts of Operation Phase

| Operation and | Sector | Probable Impacts |
|-------------------------------|--------|------------------|
| Maintenance Activities | | |

M/s Prompt Enterprises Pvt. Ltd.

176

_.

| CRCA sheets and Steel Pipes ma It Village Dhatir & Dudhola, Pa | | Draft EIA Report - Chapter 4 |
|--|---------------------|---|
| Transportation of raw materials | Air | Noise, fugitive dust, air emissions due to traffic Movement Spillage and fugitive emissions of raw materials |
| | Water | Spillage of materials and flow into streams |
| | Public Utilities | Increased flow of trafficCongestion on roads |
| Raw material Unloading, Crushing and Storage/ Fuel Unloading & Storage | Air | Noise and air emissions from vehicles Fugitive dust emissions from material handling areas |
| | Water | Run-off from stock Yard and dump yard |
| Burning of Fuel | Air | • Stack emissions (PM _{2.5} & PM ₁₀ , SO ₂ , NO _x) |
| Withdrawal of Water | Water | Negligible impact as Ground water is withdrawn after approval from competent authority |
| | Ecology | None |
| Water treatment for various uses | Water | Generation of Effluents and sludge from Treatment Plant ETP Clarifier Sludge RO Reject |
| Process | Water | Negligible as treated water is 100% recycled and reused. [ZLD system]. |
| Equipment cooling | Water/ Ecology | No impact as Zero discharge system has been implemented |
| Transportation, storage & use of process and RO chemicals | Land/Water | Risks of Accidental spillage/ waste of chemicals |
| Transportation and Disposal of Solid wastes | Land | • Negligible impact as most of the wastes are reused. |
| | Air | Fugitive Emissions |
| Operation of Transformers and Switchyard | Hazardous waste | Generation of used oil |

M/s Prompt Enterprises Pvt. Ltd.

÷.,

| t Village Dhatir & Dudhola, Pa | <u></u> | Draft EIA Report - Chapter |
|---|--------------------|---|
| Maintenance (Cleaning, Over-haul, Oil Change, Lubrication etc.) | Hazardous waste | Generation of used oil |
| Domestic use of water | Water | Negligible impact as the generated wastewater is treated in ETP & STP treated wastewater is reused. |

4.5 Assessment of Environmental Impacts and Mitigation Measures during Construction Phase

4.5.1 Topography

Anticipated Impacts

The project area possesses slightly undulating terrain. The highest contour level at project site is 197 m AMSL & the lowest contour level at project site is 191 m AMSL. Difference between the highest & lowest level is 6 m. There is no vulnerability of subsidence. Proper greening & paving of area had not cause soil erosion problem. The area under study falls in Zone-IV, according to the Indian Standard Seismic Zoning Map.

Mitigation Measures

Since there is no significant impact is anticipated on the topography and physiographic from the project. Adequate green area will be provided in the CRCA sheets and Steel Pipes manufacturing facilities to prevent any erosion. Suitable structural design had been made to mitigate the seismic impacts.

4.5.2 Land-use Pattern

Anticipated Impacts

The project land is earmarked for CRCA sheets and Steel Pipes manufacturing facilities as per the DTCP, Haryana. Hence, no significant impact is expected from the project which had been developed after obtaining all necessary permissions.

Mitigation Measures

No change in land-use pattern and no adverse impact are anticipated. The tree plantation, landscaping and greenery development will improve the air environment and aesthetics of the area.

4.5.3 Soil

Draft ELA Report - Chapter 4

Anticipated Impacts

Soil would be excavated at project site for foundations of project. The soil excavated during construction was first temporarily stored in a designated area earmarked and then used for landscape purpose and to fill up low lying area in and around the project site.

Mitigation Measures

The top soil was stripped from constructional areas and stored for later reuse in landscaping. The number, frequency and area of movement of heavy machinery were restricted. Moreover, tree plantation and greenery at completion stage of the project had resisted the soil erosion.

4.5.4 Drainage Pattern

Anticipated Impacts

The project does not intersect any natural drainage route. Sikandarpur canal is located at 0.01 km in the WSW direction to existing unit in the project area. The surroundings comprise an urbanized stretch. The construction activities had been confined to the project site and not altered the drainage pattern of the area.

Mitigation Measures

The construction activities of expansion unit will be confined within the project site. Development of the project had not disturbed the natural drainage pattern in construction phase. However, during construction storm water/ had been managed through temporary arrangements and storing in the temporary pits so that natural flow pattern had not be affected.

4.5.5 Water Environment

Anticipated Impacts

Water requirement during construction phase depending upon construction activities and was met by private water tanker. No hazardous chemical and material will be used in the construction phase of project. Debris and wastes generated during this phase will be collected and backfilled in the site. Since, there is no dumping of any hazardous materials. Therefore, contamination of ground water is negligible. Hence, no impact is anticipated on the ground water quality during the construction phase.

During operation stage fresh water will be met by ground water. Application submitted for permission of groundwater withdrawal is attached as Annexure XVII. The wastewater generated during operation of the both Existing and expansion unit of project will be treated into the separate effluent treatment plant

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 4

of 450 KLD capacity in the project. Treated water is being recycle and reuse in the process (boiler, cooling tower etc.). Also, the STP of 30 KLD capacity will be installed at site to treat the wastewater generated by domestic use. The treated water will be recycled and re-used for horticulture purpose within the project site.

4.5.5.1 Surface Water Quality

Mitigation Measures

During the construction phase, surface water quality is likely to be affected due to soil erosion during first rain and generation of wastewater mainly from construction labour camp. However, this phenomenon had been a temporary thing and restricted to close vicinity of construction site. The impact on surface water quality is minimized by adopting following measures;

- · Proper management of excavated soils
- Clearing all surplus excavated earth from site as soon as construction is over
- Suitable storage of top-soil for use in landscaping at completion stage of the project
- By providing proper hutment and toilet facilities for construction laborers
- Construction wastewater properly disposed into existing ETP onsite.

4.5.5.2 Ground Water Quality

Mitigation Measures

Although no significant impact is anticipated on the groundwater regime, the following measures were used further minimize the demand on freshwater resources:

- · Curing water had been sprayed on concrete structures and free flow of water not allowed
- Concrete structures had been covered with thick cloth/gunny bags and then water sprayed on them to avoid water rebound and ensure sustained and complete curing.
- Ponding will be done using cement and sand mortar to avoid water flowing away from the flat surface while curing.
- Water ponding had been done on all sunken slabs. This had also highlighted the importance of having an impervious formwork.
- Proper drainage system had been provided to deal with the storm water and rainwater harvesting system to recharge the groundwater.

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4

4.5.6 Air Environment

The potential sources of air emissions during the construction and development phase of the project were as follows:

- Dust from earth works (during site clearance and preparation);
- Emissions from power generator at site;
- Emissions from the operation of construction equipment and machines;
- Fugitive emissions from vehicles running to site;
- Fugitive emissions during the unloading of material at the site;
- •Air emissions other than dust arise from combustion of hydrocarbons. The pollutants of concerns are NO₂, SO₂, CO, particulates etc.

Assessment of the Impacts from Dust Emissions

During the excavation of channels, foundations, unloading of construction material, cement bags and mixing of cement with other building materials such as brick and silica dust, wood dust, fugitive dust emissions may be emitted at construction site. It may be noted that these emissions had been in the form of coarse particulate matter and settle down ultimately in closed vicinity of construction site. Therefore, no significant impact is anticipated due to dust emission during development and construction phase of expansion unit.

Assessment of the Impact from Power Generators

The Gas Gen set power had been used to operate cold rolling mill. Adequate height of stacks had been provided to the Gas Gen set as per guidelines of CPCB to facilitate the dispersion of flue gases into the atmosphere.

Mitigation Measures:

- Construction material had been kept at temporary storage yard. Loading and unloading activities had been carried out at certain places near the storage yard.
- Dust suppression had been carried out by water sprinkling during the construction of Expansion unit.
- Adequate stack height for Gas Gen sets were provided during construction phase so that the stack emission get dispersed properly at certain height and not affect the working population at construction site.
- Monitoring of emissions from Gas Gen sets and ambient air quality had been carried out as per norms.

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 4

4.5.7 Noise Environment

During the construction phase of project, noise had been generated from the various sources. Some major sources of noise generation at project site are listed here under:

- Due to movement of vehicles carrying materials and loading & unloading activities
- Excavation machines, concrete mixer and other construction machines
- During concreting, hammering, etc.

All the above-mentioned sources of development and construction activities at project site were intermittent and experienced occasionally. It may also be noted that the most of the construction activities were carried out only during the daytime. The expected noise levels from various activities are given hereunder:

- Vehicles bringing materials to the site: 70 dB(A)
- Excavation 80 dB(A)
- Concrete Mixtures 80 dB(A)
- Hammering 85 dB(A)

Resultant Noise Level:

The combined effect of above sources can be determined as per the following equation:

 $Lp(total) = Lp(total) = 10 \log (10(Lpl/10) + 10(Lp2/10) + 10(Lp3/10) +(1))$

Where: Lp1, Lp2 and Lp3 are noise pressure level at a point due to different sources in dB(A). For an approximate estimation of dispersion of noise in the ambient air from the sources point, a standard mathematical model for sound wave propagation is used. The sound level generated by noise source decrease with increasing distance from the source due to wave divergence. An additional decrease in sound pressure level from the source is expected due to atmospheric effect or its interaction with objects in transmission path.

For hemispherical sound wave propagation through homogenous loss of free medium, noise levels at various locations can be calculated due to different sources using model based on the first principles as per the following, equation:

$Lpx2 = Lpx1-20 \log 10 (x2/x1) \dots (2)$

X2 =Unknown

XI = Known

Where: Lpx2 and Lpx1-Sound Pressure Level (SPLs) at points located at sources and at distance of x2 from the source respectively in dB (A).

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 4

Assuming no environmental attenuation factors, noise modeling had been done, which shows that noise level had been mingle with baseline noise level with in short distance.

The noise produced during, construction phase had temporary impacts on the existing, ambient noise levels at project site but restricted to small distance and only during daytime. Therefore, the impact of noise levels on surrounding area had been insignificant during the development and construction phase.

Mitigation Measures

- To minimize impacts of noise generation from construction activities, the workers will be provided with ear muffs.
- The construction machinery and equipment had been monitored and maintenance will be carried out at regularly.
- Monitoring of noise level will be carried out as per norms.

4.5.8 Biological Environment – Ecological Flora & Fauna

4.5.8.1 Ecological Flora

Anticipated Impacts

There is neither any wildlife sensitive area nor any corridor for the movement of wildlife present in the study area. The vegetative community of the area is mainly under open scrub forest and because of urbanization area is usually surrounded with planted varieties. No threatened, rare, endangered or endemic species were observed during the survey in the study area.

Mitigation Measures

The project had not had any negative ecological impact. There is no protected forest near the project site. However, it developed extensive green areas in the project site to improve the aesthetics of the area which had also help in reduction of air pollution, noise pollution and provide suitable habitat for local birds and animal species.

4.5.8.2 Ecological Fauna

Anticipated Impacts

The major part of the study area lies under agriculture field and human settlements and urbanized stretch of Palwal city. Most of the mammalian species reported in the study area are cow, goat, dog, cat etc. There is neither any wildlife sensitive area nor any corridor for the movement of wildlife present in the

Draft ELA Report - Chapter 4

study area. No threatened, rare, endangered or endemic species were observed during the survey Mitigation Measures

The major part of the study area lies under agriculture field and human settlements which restricted the wildlife habitat significantly. Project had no adverse impact on the faunal species.

4.5.9 Agricultural Pattern

Anticipated Impacts

The project will be built on the land earmarked for CRCA sheets and Steel Pipes manufacturing facilities as per the Allotment letter, hence no agricultural land had been acquired for the project and the post project development also had not affect the cropping pattern of the study area.

Mitigation Measures

No adverse impact on agricultural pattern due to this project is envisages. Hence mitigation measures are not required. Due to the project development the socio-economic condition of the surrounding area had positive impact.

4.5.10 Transport Infrastructure and Traffic Management

Anticipated Impacts

The project site is located in the developed area of the City Palwal where road network and transport infrastructure facilities already exist. The project area is well connected to network of roads leading to various parts of National Capital Region. Public transport facility, like, buses, auto-rickshaw, cab and minibuses are easily available in the area as transport linkage. During construction phase, some impact is anticipated on the transport linkage of the area, however increase in traffic had not adversely affect the local traffic pattern since the site is well connected by wide road and present traffic load on these roads are not significant.

Mitigation Measures

- Proper planning, for the movement of the heavy vehicles to reduce load on existing traffic such that the peak hours are avoided.
- Ensure that the vehicles bringing the building construction material must had Pollution under Check (PUC) certificate and are in good condition.
- The vehicles had been temporarily parked inside the project premises for loading unloading activities of building materials during construction phase and also ensure that all the vehicles to the site had been

Draft EIA Report - Chapter 4

provided with parking space such that there is no waiting time along the access roads. No public place had been used for parking of vehicles.

4.5.11 Solid Waste Management

Anticipated Impacts

In existing phase, the topsoil had been preserved separately and had been reused for horticultural purpose. Waste construction materials had been recycled. The excess construction debris & excavated earth had been disposed at vacant low-lying lands of residential plotted colony project for filling & leveling, if required. Besides, the surplus earth had been disposed off in the areas designated by the local authority. The surplus earth would only be the construction waste and had not caused any health hazards; hence no such adverse impact is anticipated. The expansion phase of the project will follow the same approach.

Mitigation Measures

During construction phase after solid wastes segregation, recyclable wastes had been sold to government authorized vendors and the biodegradable waste has been disposed to the local municipal solid wastes collection point for further disposal by local authority. Hazardous wastes had been disposed off as per the provisions of the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016 and Amendment 2019.

4.5.12 Socio-economic Condition

During the construction of project, per day had got direct employment opportunity, which had had beneficial impact on the socio-economic conditions of the area.

Anticipated Impacts

The construction activities had been confined within the project premises and project boundary without affecting / involving the surrounding public places.

During construction phase, about 50 skilled and semiskilled and unskilled workers had been hired from local nearby areas. Temporary labour hutments are proposed. Thus, no influx of people is envisaged.

Mitigation Measures

As the negative impacts are none or insignificant; no specific mitigation measures are envisaged for demography and socio-economic environment. During the construction phase, temporary hutments will be constructed at the earmarked space for the labour force. The labour colony shall be provided drinking water and sanitation facilities. Temporary toilets as per PHED norms will be constructed for the work

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 4

force during construction period. Suitable septic tanks and soak pits of appropriate capacities will be constructed for treatment of sewage before disposal. Health and safety of the workers will be ensured during construction by making effective provisions for the basic facilities of sanitation, drinking water, safety of equipments or machinery etc. The following recommendations will be followed:

- Safety procedures, norms and guidelines (as applicable) as outlined in the document Part -7, Constructional practices and safety, 2005, National Building Code of India, Bureau of Indian Standards will be complied with.
- Clean drinking will be provided to all the workers.
- Adequate number of decentralized latrines and urinals will be provided to construction workers.
- All parts of dangerous machinery will be guarded.
- Hoists and lifts, lifting machines, chains, ropes and other lifting tackles will be kept in good condition.
- Protective equipment's like helmets etc. will be provided to the workers.
- Fire extinguishers and buckets of sands will be provided in the fire-prone areas and elsewhere as measures to prevent fires.
- Other safety precautions to be maintained at work site including provision of PPEs. All applicable rules and regulations pertaining to workplace health and welfare of workers had been adhered to.

4.5.13 Infrastructural Facility and Amenities

Anticipated Impact

The project had not brought any adverse impact due to its development during construction stage in terms of infrastructure facilities and amenities. The project had been developed in the area earmarked CRCA sheets and Steel Pipes manufacturing facilities as per the Allotment letter obtained and the construction activities had not disrupt any of the public services and amenities such as water supply, electricity and public transport facilities, public health and education. Due to the transport of construction material traffic movement had been increase insignificantly and public place had not been occupied for parking of the vehicle.

Mitigation Measures

As the project development had no such adverse impact during its construction phase no such mitigation measures are required. However, care had been taken to look after the drainage and water supply line if any adjacent to the project plot so that those remain uninterrupted. Adequate space had been provided

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4

for parking of vehicles transporting the building construction material.

4.6 Assessment of the Environmental Impacts and Mitigation Measures during Operation Phase

4.6.1 Topography

Anticipated Impacts

The project area possesses slightly undulating terrain. The highest contour level at project site is 197 m AMSL & the lowest contour level at project site is 191 m AMSL. Difference between the highest & lowest level is 6 m. There is no vulnerability of subsidence. Proper greening & paving of area will not cause soil erosion problem. The area under study falls in Zone-IV, according to the Indian Standard Seismic Zoning Map. No forest land is involved in this project. The land use of the entire land is already categorized as industrial. Existing premises is already leveled and developed.

During the operation phase, impact on land [soil contamination] may occur due to improper storage and handling of hazardous chemicals, solid waste, hazardous waste and disposal of industrial and domestic effluent generated at project site. Soil quality may be impacted due to leaching of waste from the stores and operation areas. Leaching of oil and other lubricant will also lead to contamination of soil. Soil contamination is being prevented by adopting proactive mitigation measures. Improper drainage system leads to water logging of the area.

Mitigation Measures adopted:

- Industrial effluent is segregated from domestic effluent and after proper treatment effluent is recycled within the premises. The plant has adopted zero discharge system & entire treated effluent is recycled.
- The existing Plant is covered with a well-planned storm water collection system based on area gradient so that all the storm water is efficiently drained off without any water logging. A portion of the storm water is collected in Rain Water tank for further reuse.
- Waste management system is already in place to ensure the compliance with SWM, HWM, E- waste, battery waste etc. through Comprehensive Waste Management Plan.
- Spill containment/ management program is already adopted in accordance to regulation.
- Proper greening & paving at site resists soil erosion.

4.6.2 Land-use Pattern

Anticipated Impacts

....

M/s Prompt Enterprises Pvt. Ltd.

187

Draft EIA Report - Chapter 4

The land is earmarked for industrial use purpose as per the DTCP, Haryana. Hence, no significant impact is expected from the project which had been developed after obtaining all necessary permissions.

Mitigation Measures

No change in land-use pattern and no adverse impact are anticipated. The tree plantation, landscaping and greenery development had improved the air environment and aesthetics of the area.

4.6.3 Soil

Anticipated Impacts

During the operation phase of the project, the soil may get polluted/ contaminated from littering of various kinds of wastes generated within the site such as food items, paper, wood pieces, paints, pesticides, oil & grease etc. However, owing to the solid waste management system, no significant impact is anticipated.

The post project development has no any adverse impact on the soil quality. During operation phase there no requirement of site clearance and removing of vegetative cover. Hence no adverse impact is anticipated.

Mitigation Measures

The tree plantation and greenery at completion stage of the project had resisted the soil erosion. Moreover the solid waste generated at operation phase had been properly management properly and treated. Used oil had been handled as per the Hazardous wastes Management, Handling and Trans-boundary Movement Rules 2016 and Amendment 2019. Therefore there was no chance of soil contamination.

4.6.4 Drainage Pattern

Anticipated Impacts

The project does not intersect any natural drainage route. No perennial or non-perennial drainage system is found to exist in the project area or being obstructed by the project. The surroundings comprise an urbanized stretch and well-planned storm water drainage had been designed for internal storm water drainage. No storm water of the project site had been discharged outside. Thus, no impact on the natural drainage system is anticipated.

Mitigation Measures

Most of the storm water produced on site had been stored in storage tank. Thus proper management of this resource is a must to ensure that it is free of contamination. A detailed Storm Water Management

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 4

Plan had been developed which had consider the sources of storm water. The plan had incorporated best management practices which had included the following:

- Regular inspection and cleaning of storm drains.
- Installation of clarifiers or oil/ water separators system of adequate capacity around parking areas and garages as per requirement.
- Cover waste storage areas.
- Avoid application of pesticides and herbicides before wet season.
- Conducting routine inspections to ensure cleanliness.
- Preparation of spill response plans, particularly for fuel and oil storage areas.
- Provision of silt traps in rain water harvesting system.

4.6.5 Water Environment

4.6.5.1 Surface Water Quality

Anticipated Impacts

There was no low-lying area and wetland in the vicinity of the project site. There was no diversion of water from the other users.

The wastewater generated from the plant operation will be collected and treated in the ETP of 450 KLD capacity. Domestic wastewater will be collected through the sewer line network and treated in a separate Sewage Treatment Plant (STP) of capacity 30 KLD. No discharges from the project site will be made to any surface water body.

Mitigation Measures

No impact is anticipated on the surface water

4.6.5.2 Ground Water Quality

Anticipated Impacts

The source of water is bore well. Total fresh water requirement for Domestic usage is 18.23 KLD (In the Existing Unit =4 KLD + Expansion Unit =14.225 KLD). Waste water generation from domestic usage is 24 KLD which will be treated in the 30 KLD capacity of STP. The treated sewage will be recycled/ reused for toilet flushing and horticulture in the project site.

Waste water generated from cooling tower blow down water, effluent water generated from the different units of the plant is taken to effluent treatment plants followed by Reverse Osmosis plant.

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 4

Total Effluent generated from the plant is 370 KLD. The effluent generated from the Plant will be treated in the 450 KLD ETP. The effluent water is treated to the desired extent in Reverse Osmosis Plant and recycled back to the process as make-up, to attain "zero" effluent discharge, facilitating adequate re-use of water in the respective re-circulating systems and economizing on the make-up water requirement. Therefore, during normal operations, there will be zero discharge, as the entire treated sewage had been recycled. Hence, no adverse impact is anticipated on the groundwater quality form the project. Wastewater generated from the following sources is routed to onsite Effluent Treatment Plant.

HSPCB Analysis Report [ETP inlet and Outlet] is shown in the **Table 4.4**, **Figure 4.1** and also attached as *Annexure XVIII*.

| S.No. | Parameter | Inlet of | Outlet of | Prescribed | Method of |
|-------|-----------------|----------|-----------|------------|------------------------|
| | | ETP* | ETP* | Limit | Testing |
| 1 | Colour | Light | Slight | - | As per relevant |
| | | Greenish | Hazy | | parts of IS:2488 |
| 2 | Odour | Pungent | No Smell | - | (Part-V) and |
| 3 | pН | 3.4 | 7.2 | 6.0 - 9.0 | Standard Methods |
| 4 | Conductivity | 7920 | 2450 | - | for Examination |
| | μs/cm | | | | of Water and |
| 5 | Total | 194 | 38 | 100 | Wastewater |
| | Suspended | | | | APHA (23 rd |
| | Solids mg/L | | | | edition) |
| 6 | Oil & Grease | 12 | BDL | 10 | 1 |
| | mg/L | | | | |
| 7 | Iron as Fe mg/L | 21.6 | 0.7 | 3 | - |
| 8 | Total metal | 21.6 | 0.7 | 10 | - |
| | mg/L | | | | |

Table 4.4: ETP Inlet& Outlet Characteristics

*This is as per HSPCB Analysis report dated 12/07/2022.

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4



FORM j (See Rule 20)

Report No.:-134 Dated- July 12, 2022

I, hereby, certify that I Narender Hooda as Board Analyst, duly appointed under sub section (3) of section 53 of Water (Prevention and control of Pollution) Act, 1974(6 of 1974) received on the 05th day of July, 2022 from Sh. Randeep Sindhu AEE, a sample of liquid trade effluent of M/s Prompt Enterprises Pvt. Ltd., Village-Dhatir, Palwal, collected on 04.07.2022 from the Inlet & Outlet of ETP for analysis. The Sample was in a condition fit for analysis reported below:-

I further certify that I have analyzed the afore-mentioned sample on 05/07/2022 to 12/07/2022 and declare the result of analysis to be as follow:-

| Sr. No. | Parameter | Inlet of ETP | Outlet of ETP | Prescribed Limits | Method of Testing |
|---------|-----------------------------|-------------------|------------------|----------------------|--|
| 1. | Colour | Light Greenish | Slight Hazy | | As per relevant parts of |
| 2. | Odeur | Pungent | No Smell | • • - ħ· | 1S:2488(Part-V) and Standard |
| 3. | pH Value | 3.4 | 7.2 | 6,0-9.0 | Methods for the |
| 4. | Conductivity µS/cm | 7920 | 2450 | | Examination of water and waste |
| 5. | Totat Suspended Solids mg/1 | 194 | 38 | 100 | water APHA(23 rd |
| 6. | Oil & Grease mg/l | 12 | BDL | 10 | edition) |
| 7, | Iron as Fe mg/I | 21.6 | 0.7 | 3 | ~************************************* |
| 8. | Total Metal mg/l | 21,6 | 0.7 | 10 | |

2 **-**

То

The condition of the seals, fastening and container on receipt was as follow:

Container had its seals found intact in order; slip on the container had the signature of the representative of the industry and the board representative.

Signed this on 12th day of July, 2022

Laboratory of the Haryana State Pollution Control Board Sector-16 A, Faridabad

Beard Analyst

The Member Secretary Haryana State Pollution Control Board C-11, Sector -6, Panchkula (Haryana)

This test report relate only to the particular sample submitted for testing

Figure 4.1: HSPCB Analysis Report [ETP inlet and Outlet]

The Treated Wastewater from the ETP is further treated in Reverse osmosis (RO) Plant of Capacity 1600 [2X800 m³/day]. The RO permeate is routed back to inlet of water cycle chain. RO reject is disposed through Fog Cannon.

Draft ELA Report - Chapter 4

Overall the existing plant is working on the philosophy of zero discharge and no wastewater is disposed outside the plant premises.

4.6.5.4 Domestic Sewage Treatment

Total fresh water requirement for Domestic usage is 18.23 KLD (In the Existing Unit = 4 KLD + Expansion Unit = 14.225 KLD). Waste water generation from domestic usage is 24 KLD which will be treated in the 30 KLD capacity of STP. The treated sewage will be recycled/ reused for toilet flushing and horticulture in the project site.

Mitigation Measures

The wastewater generated at site will be treated and reuse/ recycle within the project and irrigation of green area. There will be no discharge of treated sewage. Moreover, the storm water from the site will be stored and reuse after adequate treatment. The wastewater from the site was to be used for landscaping flushing etc. after adequate treatment in Sewage Treatment plant. Solid waste management practices will be adopted and followed to prevent groundwater pollution through leaching.

4.6.6 Air Environment

Anticipated Impacts

During the operation of plant boiler, pickling, Gas gen set and Vehicular emissions will be major source of air pollution. Quantum and dispersion of pollutants from these emission had depended upon the following:

- Emission sources from Boilers (fuel using)
- · Volume of traffic on the roads
- Meteorological conditions
- · Emission sources from Gas gen sets

From vehicular emissions, PM, NO₂ and CO is the pollutants of primary concern. The dispersion of vehicular emissions would be confined within 100 m from the road and concentration had decrease with the increase in distance from road. It was anticipated that the contribution of vehicular emissions in ambient air quality had been marginal but well within the stipulated National Ambient. At higher wind speed dispersion had been faster.

Fugitive emissions are mainly associated with material handling and transport activities. A variety of

Draft EIA Report - Chapter 4

control measures are used to manage potential emissions from these activities, such as minimizing volumes of material stored, watering of roads, application of surface sealants, use of enclosures for powdered material storage, paving and sweeping of roads, adequate greenbelt and video surveillance. There is provision of 3 no. of Gas Gen sets of total capacity 2500 KW X 3 =75000 KW.

The stack characteristics are given in the **Table 4.5** below. This had cause emission of PM, SO₂, NO₂ and CO. However, since the power generator sets are gas based; therefore, pollutants incremental load in the ambient air environment will be expected to be minimal. However, an adequate stack height of generator has been provided as per the stipulated guidelines of Central Pollution Control Board (CPCB) to facilitate proper dispersion of exhaust gases.

| S. No. | Stack | capacity | Stack height (m) | Stack Dia (mm) | Quantity of fuel used | Fuel /Acid type | Flue gas temperature | Velocity of the flue gas | Gas Emitted |
|-----------|-------------------|----------|------------------------|----------------------|-----------------------------|-----------------------|-------------------------|--------------------------------|---------------------|
| 1 | Gas Gen Set | 2500 kw | 30 | 400 | 520 m3/h | PNG | 487°C | 25 m/s | Combustion gases |
| 2 | Gas Gen Set | 2500 kw | 30 | 400 | 520 m3/h | PNG | 487°C | 25 m/s | Combustion gases |
| 3 | Gas Gen Set | 2500 kw | 30 | 400 | 520 m3/h | PNG | 487°C | 25 m/s | Combustion gases |
| 4 | Boiler stack | 5 TPH | 20 | 500 | 90-110 m3/h | LPG | 280 °C | 28 m/s | Combustion gases |
| 5 | Boiler Stack | ЗТРН | 25 | 400 | 70-80 m3/h | PNG | 280 °C | 23 m/s | Combustion gases |
| 6 | Pickling Stack | - | . 30 | 400 | - | HCI | - | _ | Acid Fumes |
| 7 | Pickling Stack | - | 30 | 400 | - | HCI | - | - | Acid Fumes |
| 8 | Pickling Stack | - | 20 | 400 | - | HCI | - | - | Acid Fumes |

| | Table 4.5 | Installed | Stack | Characteristics |
|--|-----------|-----------|-------|-----------------|
|--|-----------|-----------|-------|-----------------|

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

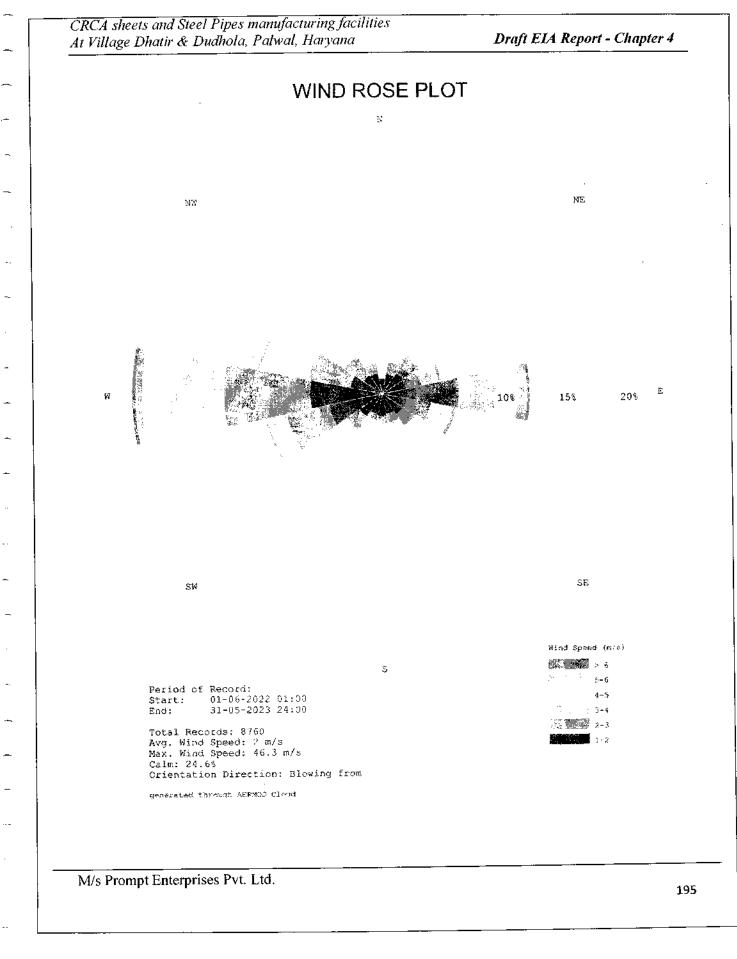
CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

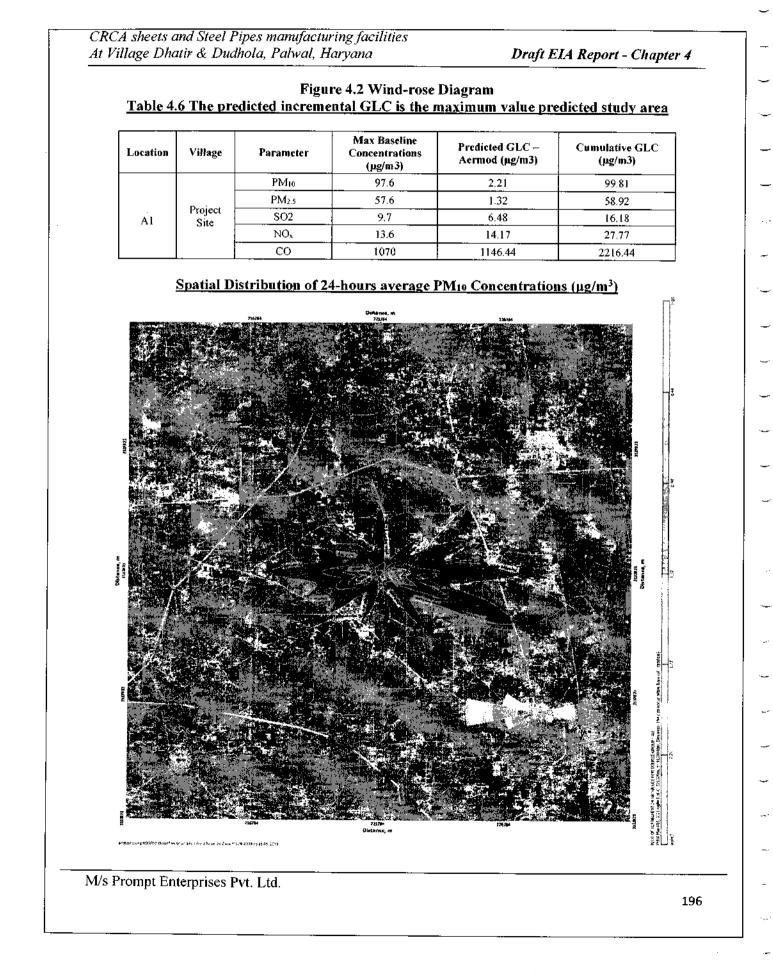
Draft ELA Report - Chapter 4

Atmospheric dispersion modeling of pollutants from Gas gen set, Boiler stack sets was carried out using the USEPA approved air quality model Aermod. Hourly meteorological data as monitored at site was used for impact assessment study. Mixing height data are taken from publication of IMD "Atlas of Hourly Mixing Height in India, 2008". The GLC was predicted on the impact zone of 2 km x 2 km at grid spacing 100 x 100 m. The resultant GLC in the form of isopleths are given in Figure 4.3-4.7.

The predicted GLCs of PM₁₀, CO, NO₂ and SO₂ are found insignificant. Based on the observed meteorological condition, the 24-hours average maximum predicted GLC of NO₂ is to be 2.74 μ g/m³ and to be occurred at (660035, 3116561) m from the DG sets location. GLC of NO₂ is less than the permissible limit of 80 μ g/m³ (As per CPCB guidelines). NO₂ is the worst pollutant in the study had maximum emission in compare to SO₂, PM₁₀, CO and HC. The meteorological data for 24-hours average maximum predicted concentration is presented in the Table 4.6. The wind rose diagram showing the wind direction from West to East is given below in Figure 4.2.

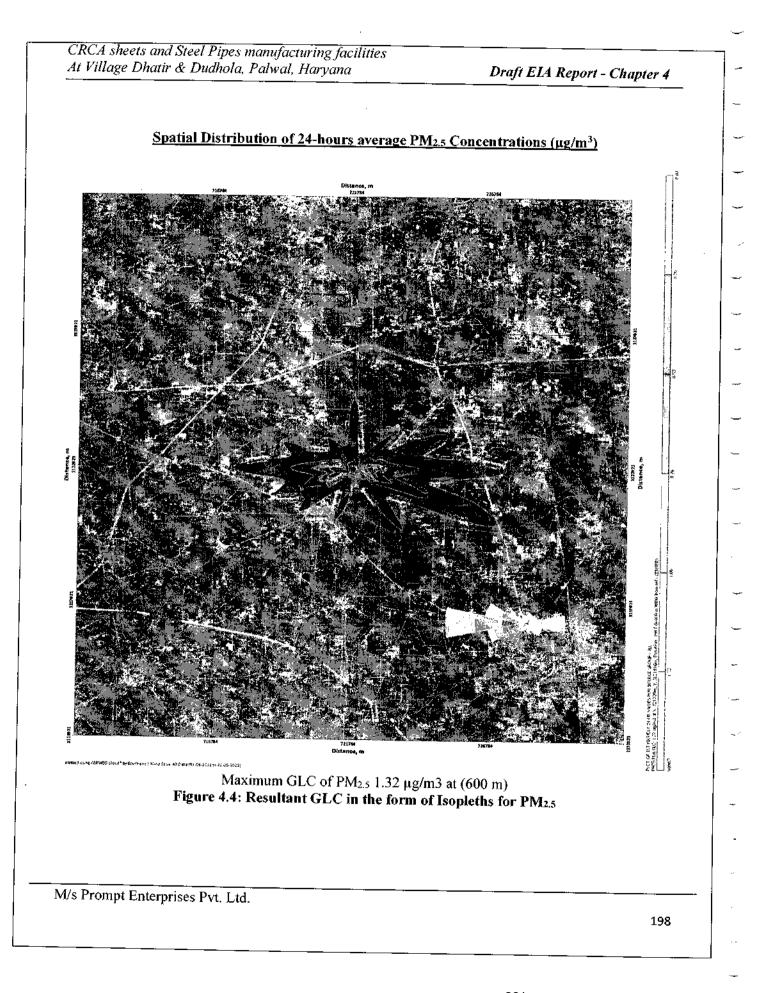
M/s Prompt Enterprises Pvt. Ltd.



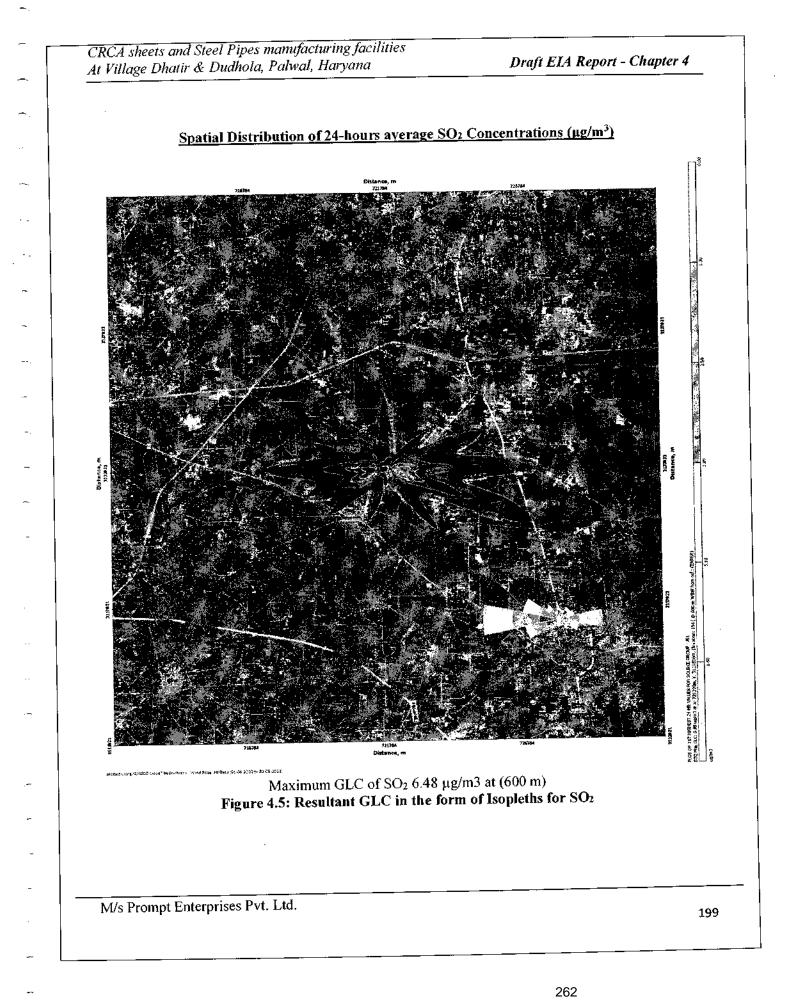


e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

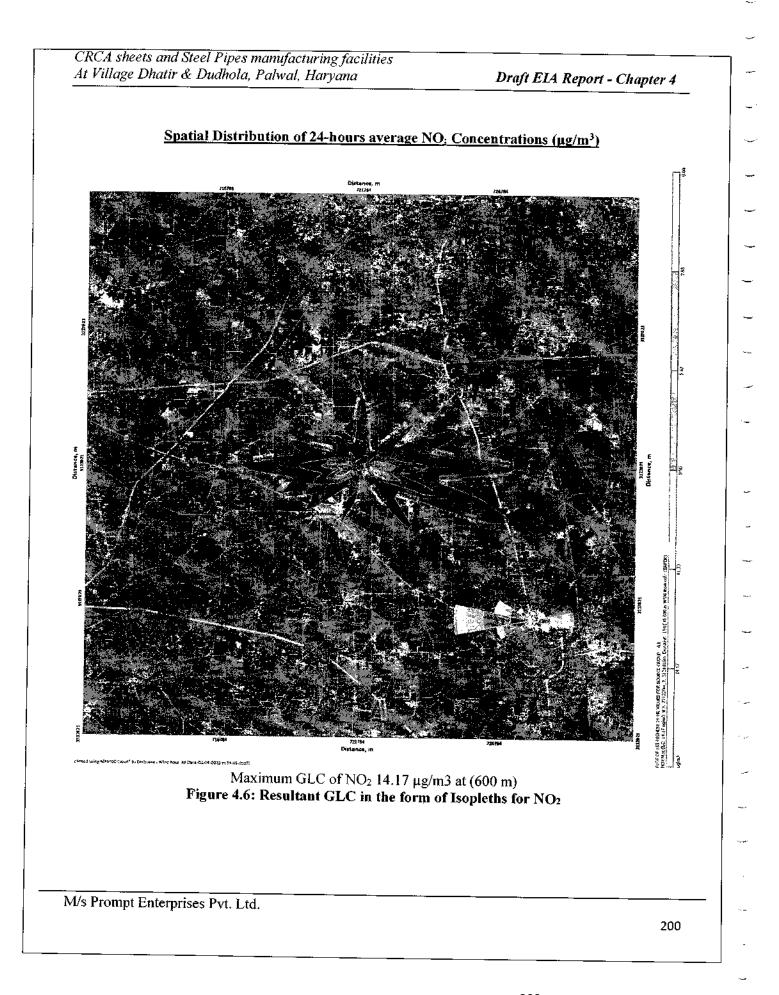
| CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft ELA Report - Chapte |
|--|--|
| Maximum GLC of PM10 2 Figure 4.3: Resultant GLC in the | 21µg/m3 at (600 m) form of Isopleths for PM10 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| M/s Prompt Enterprises Pvt. Ltd. | |
| | |

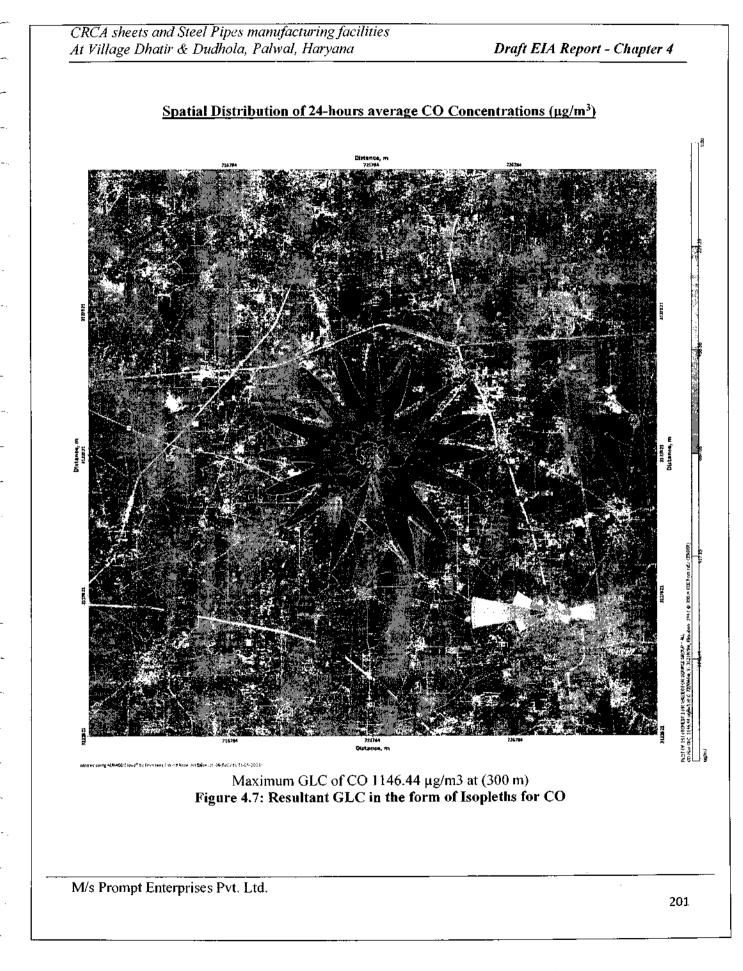


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br





No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 4

Mitigation Measures

- Power generator sets had complied with the applicable emission norms.
- Adequate stack height for power generator sets has been provided as per norms.
- Monitoring of emissions from Power generator sets, Boiler Stack, Pickling Stack and ambient air quality will be carried out as per norms.
- Proper signage for speed limits & no honking zones.
- Plantation and greenery development had work as barrier for the movement of pollutants and help in pollution control.

Measures Adopted For Fugitive Emission Control

The fugitive dust (PM) emissions occur from road, raw material unloading and loading and vehicle movement leading the re-suspension of settled dust. Following mitigation measures have been adopted:

- > Application of water to suppress dust generation. Water sprinklers, hydrant and hoses are connected to water reservoir.
- > Minimize the drop height of raw materials
- > All road surfaces are paved (Concreted) and limiting the speed of vehicles within the premises.
- Regular road sweeping and cleaning

4.6.7 Noise and Vibration Environment

Anticipated Impacts

During the operational phase, noise is generated from Gas gen set, air compressors, pumps, rolling mill, material handling, vehicle movement, gearbox of the rolls and straightening machines, the shears and saws, throwing of finished products and stopping movements of the material with metal plates. The intensity of noise level decreases with increasing distance from the source due to wave divergence, atmospheric effects and objects in the transmission paths, like enclosure around the noise generating source, boundary wall, greenbelt, etc.

Major Sources of Noise: Impact machines, pneumatic equipment, machine tools, welding, material handling systems, mechanical equipment, metal to metal clatter, gearbox of the rolls and straightening machines, the pressure water pumps, the shears and saws, throwing of the finished products and the stopping movements of the material with metal plates

Major Sources of Vibration: Impact machines, Pneumatic equipment, Machine tools, Welding,

Draft EIA Report - Chapter 4

Material handling systems, Mechanical equipment, metal to metal clatter, gearbox of the rolls and straightening machines, the pressure water pumps, the shears and saws, the throwing of the finished products into a pit and the stopping movements of the material with metal plates

The equipment noise level monitored at the plant does not exceed 90 dBA except few areas. The maximum noise level at the main office of the project is measured as 57-65 dB(A) this is well within the limit for industrial area 75 dB(A).

Mitigation Measures Adopted For Control of Noise and Vibration -

Application of a vibration damping material to the chute, use of vibration damping pads, applying a damping to the matching surfaces, use of anti-vibration mounts, guards of damped metal or open mesh and use of acoustic enclosure wherever possible.

- Regular noise level monitoring
- use of ear muff/ ear plug wherever required
- Employee training on noise exposure hazards and enforcement of the use of protective devices.
- Regularly maintenance of machines and equipment, provision of PPEs. Specific attention is paid to rollers and handling, cutting and grinding activities.

4.6.8 Biological Environment – Ecological Flora & Fauna

4.6.8.1 Ecological Flora

Anticipated Impacts

The project is already existed industrial unit allotted to prompt Enterprises for the manufacturing of CRCA sheets and ERW Steel pipe by DTCP, Haryana, therefore, there had been no major impact on the local environment. Any loss of vegetation in the project site had been compensated through landscaping.

Mitigation Measures

A combination of evergreen and ornamental flowering trees, palms, shrubs and ground covers, mostly indigenous/ local plants, had been planted along the sides of the roads and in open spaces & along the boundary wall within the complex under the landscape plan. The list of tree species and Shrubs are also given in the **Table 2.17 & 2.18** respectively in Chapter-2. Total green area including tree cover is 10322.2 m^2 in the project which is 10% of open area as per the required norms.

4.6.8.2 Ecological Fauna

Draft EIA Report - Chapter 4

Anticipated Impacts

The project site is part of the Palwal district. There had not been any threat to biodiversity of the area due to project. All the project activities during construction will be confined within the premises of the project complex. There was no displacement of fauna – terrestrial and aquatic or creation of barriers of their movement.

Mitigation Measures

The project had no any direct or indirect adverse impacts on the fauna and avifauna of the area. However, planting of trees in the project had been an attraction to the local bird population.

4.6.9 Transport Infrastructure and Traffic Management

Anticipated Impacts

There will be increase in number of vehicles during operation phase of the project. The increase in traffic due to the project was marginal compared to the existing high volume of traffic in the area, and therefore the impact will be marginal.

Mitigation Measures

- Provision made for parking space of 318 ECS.
- The project is well connected by Prithla- Dhatir Road which is adjacent to project site which in turns directly connected to the NH-919 Highway.
- Internal roads of adequate width and separate entries and exits had been provided for smooth and oneway movement of traffic (Traffic circulation plan showing entry and exit points is attached as Annexure XV in Chapter-2).
- Adequate traffic management measures were managed the traffic within and outside the site.

4.6.10 Solid Waste Management

At PEPL through extensive R & D activities has identified various intermediate solid wastes/other wastes/rejects that could be used as productive inputs. The company pursues the policy of four R's - Recycle, Reduce, Reuse and Recover that minimizes the risk of solid waste contamination. The main objective of the company is to transform solid waste/rejects into wealth in order to benefit from it. An Integrated Solid Waste Management System has been developed for storage and disposal of solid wastes/rejects. Workforce has been trained about Integrated Waste Management System. Each section is

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4

given a specific waste reduction target.

4.6.10.1 Major Intermediate Solid Wastes/Wastes/Rejects and Their Disposals/Utilizations

- a. Scrap coils:
- All Scrap coils are collected in well-identified waste bins as per grade. After sorting, it is sent to authorize dealer.
- b. Neutralized Cake from ETP:
- Neutralized cake generated from the ETP is being hand over to authorize dealer for recycling.
- c. End Cuttings & Reject Product:
- All the end cuttings are collected in well-identified waste bins as per grades and sent to Steel Melting Shop for re-melting.
- All the reject materials generated are also sent to Steel Melting Shop to re-melting.

4.6.10.2 Hazardous Waste:

The only hazardous waste is Oil Soaked Clothes, Papers & Spent Oil, used PVC drums and Jerri cans which is collected at specified site for further disposal. Hazardous waste is hand over to authorize recyclers.

4.6.10.3 Municipal Solid Waste (MSW):

All wastes are sent to a dedicated separate facility outside the premises where segregation and composting is done followed by composting of biodegradable wastes. Recyclable wastes are sold to vendors and inert wastes disposed through authorized vendor of Municipal Corporation.

| Name of Waste | Туре | Existing Unit | Expansion Unit | Total Quantity | Disposal |
|-----------------------|-----------|------------------|-------------------|----------------|---------------|
| Neutralized Cake from | Non | 30 Tonne/Year | 100Tonne/Year | 130Tonne/Year | |
| ETP | Hazardous | | | | To authorized |

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| CRCA sheets and Steel At Village Dhatir & D | | | s | Draft ELA Rep | ort - Chapter 4 |
|--|-----------|------------|------------|---------------|------------------------|
| | | | | | Recyclers |
| Used Oil Waste | Hazardous | 200 L/Year | 650 L/Year | 850 L/Year | To Authorized recycler |

Mitigation Measures

PEPL possesses Authorization under Hazardous and Other Wastes (Management & Trans boundary Movement) Rules, 2016 from Haryana State Pollution Control Board valid upto 30/09/2023 (*Annexure-XVI*).

All hazardous wastes generated from project site are sold to the recyclers authorized by state pollution control board. Therefore, no adverse impact on the surrounding environment is envisaged.

4.6.11 Socio-economic Impact

Anticipated Impacts

The project site is located in the industrial area under Palwal district. The area is earmarked for CRCA sheets and Steel Pipes manufacturing facilities project. All sorts of social infrastructure like transportation facilities, water supply & sanitation facilities, communication facilities, educational institutions, hospitals, markets, banks, cultural amenities etc. already exist in the Palwal City.

In operation phase due to the project development, the surrounding area had positive impact in terms of increase in land value, public transport facilities and employment opportunities.

Noticeable, flow-on economic impacts had been experienced in other sectors of economy as a result of purchase of construction materials and employment opportunity to the personnel engaged in the development and construction.

Impact on population composition

The population composition of a place changes due to various factors viz. topography, availability of water, agricultural practices, economic development, transport facilities and migration of people. Migration of people brings changes in population size, sex ratio, adult-child ratio and size & composition of labour force. In the present case migration of people from outside the study area will be marginal as all the workers will be recruited from nearby villages.

Impact on employment generation& income

The Proposed CRCA sheets and Steel Pipes manufacturing facilities project will provide employment to

Draft EIA Report - Chapter 4

many people. According to the project authority permanent employment opportunities will be given to 250 persons. The temporary skilled and unskilled workers will be 650 in total. The skilled and unskilled workers will be recruited locally preferably. The local people may get employed in the project as semi-skilled workers after necessary training.

Impact on the Local Area Development

The Infrastructural development in the area will bring other supportive facilities such as drinking water, road construction, electricity supply etc. It will help in increasing the government revenue in terms of service charges or tax etc.

Impact on the nearby inhabitants

The local people will be benefitted with the proposed project as industrial development will be envisaged due to the proposed CRCA sheets and Steel Pipes manufacturing facilities project falling in the industrial estate of Palwal. It will help in increasing the localized employment structure as well as increasing further development opportunity and increase of land prices.

Impact on GDP

It will help in increasing the State revenue as new water, electricity connections will help in increasing the revenue, tax etc. However, a very minor contribution will be made on the GDP.

Impact on Education of Children

The proposed project will help in giving stability in the education of children. The children's education will not be disrupted due to lack of money. This financial stability of families will help them in continuing the education.

Mitigation Measures

The project will have positive impacts in the operational phase as development of proposed CRCA sheets and Steel Pipes manufacturing facilities project gives positive impetus of GDP, growth in infrastructure, creates new job opportunities and income sources etc. Hence no mitigation measures are envisaged in operational phase.

4.6.12 Infrastructural Facility and Amenities Anticipated Impact

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 4

Once the development and construction of expansion part in CRCA sheets and Steel Pipes manufacturing facilities project will be completed, there will be some long-term positive impact on the economic structure of the area. People in the area had got direct and indirect employment opportunities. Transport linkages and public transport facility may be developed due to the operation of the project. There will be increase in land value of the surrounding due to such development.

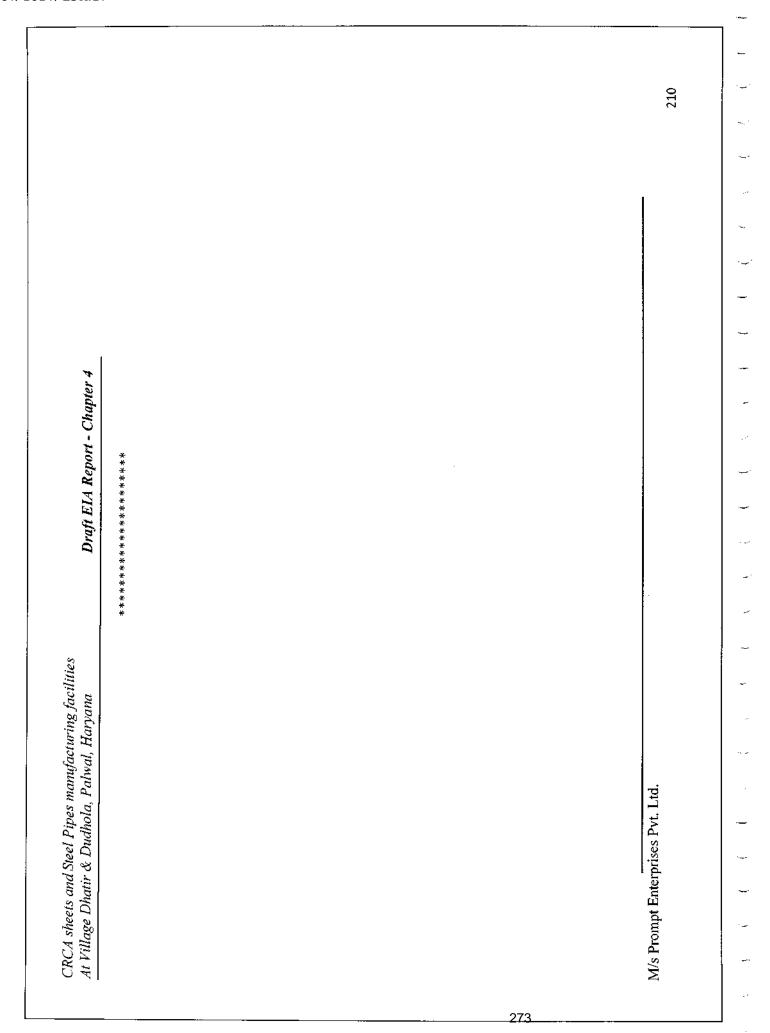
4.7 Impact Matrix

Various activities from the CRCA sheets and Steel Pipes manufacturing facilities project are likely to have some impact on the environmental constituents during its construction as well as operational phase. The impact assessment matrix given in **Table 4.8** reveals the impact associated with each activity of the project on various environmental parameters during construction and function phase respectively before any mitigation measures are implanted. To assess the severity of the impacts, they are categorized as follows:

| <u>Table 4.8 Overall Scenario of Potential I</u> | Ottorell | | | | | | | | | |
|--|----------|----------------|--------------|--------------|--|-------------|------------------------|-----------------|-------------|---------------|
| | | <u>Scenari</u> | o of Pote | ntial Envirc | Environmental Impacts in Construction & Operation Phases | aets in Con | <u>struction &</u> | <u>Operatio</u> | n Phases | |
| Environmental Parameters | Regional | Short term | Long Term | Reversible | Irreversible | Adverse | Beneficial | No . Impact | Significant | Insignificant |
| Topography | | | | | | | | 2 | | |
| Drainage V | | | > | ~ | | | 4 | - | | Ņ |
| Soil | | | | | | | | < | | |
| Water Resources | | | | | ÷ | | | 7 | | |
| Water Quality V | | > | | | ~ | | | | | Ą |
| Land Use | | | > | | 2 | | ~ | | 7 | |
| Air Quality 🗸 | | 7 | | 7 | * | | | | | 7 |
| Noise | | ~ | | 4 | | | | | | ~ |
| Flora V | ~ | | - | | 7 | | ٨ | | ٨ | |
| Fauna | | | ~ | | ~ | | ~ | | ^ | |
| Employment V | | | ~ | | 7 | | 7 | | ٨. | |
| Aesthetic | | | > | | ~ | | 7 | | ~ | |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

2

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Draft EIA Report - Chapter 5

<u>CHAPTER- 5</u> <u>ANALYSIS OF ALTERNATIVE</u>

5.1 Introduction

This chapter analyses various alternatives to meet the objective of the project from certain identified angles as recommended in the EIA Manual published by the MOEF. These are:

ŝ

- No project Scenario Not applicable as expansion has been proposed
- Siting of the project
- Technology/Process

5.2 No project Scenario

As detailed in chapter 1 and 2 there is a need for expansion due to increased requirement of CRCA sheets and ERW pipes in view of massive development projects in government and non-government sectors. Hence no project option is ruled out.

5.3 Alternate Site

This is an existing project operational since 2021. Expansion is proposed on manufacturing of same product and utilizing same raw material. Additional land has been acquired adjacent to existing site so as the existing infrastructure for power and utilities may be utilized

Hence, examining of alternate sites is not applicable for this project.

5.4 Alternative for technology

The unit has adopted latest and best technology available so far in the market for the manufacturing of proposed products to achieve maximum yield with minimum pollution and utilities consumption.

5.5 Summary

No alternative study has been examined.

M/s Prompt Enterprises Pvt. Ltd.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

> CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 6

<u>CHAPTER-6</u>

ENVIRONMENTAL MONITORING PLAN

6.1 Introduction

The monitoring program serves the purpose of ensuring strict adherence to the specified mitigation measures outlined in the Environmental Management Plan (EMP) and achieving the desired benefits for the target area and its population. It is essential to undertake monitoring activities throughout both the construction and operation phases of the project to effectively implement the EMP and assess the effectiveness of the mitigation measures.

6.2 Performance Indicators (PIs)

The physio-chemical components are of particular significance to the project to compare with the surrounding environment on pre-project and post project development. The parameters are as listed below:

- Ambient Air quality
- Ground Water quality
- Surface Water Quality
- Ambient Noise levels
- Soil Quality
- Flora
- Stack Emission from Boiler and Gas Gen Set
- STP Inlet & Outlet
- ETP Inlet & Outlet
- Gas Gen Set Stack Emission & Noise

Of these, the following are selected as the Performance Indicators (PIs) and should be monitored, since these are well known and comparative data series exist:

- Ambient Air quality
- Ground Water quality
- Ambient Noise levels

M/s Prompt Enterprises Pvt. Ltd.

.

Draft EIA Report - Chapter 6

Soil Quality

To ensure the effective implementation of the mitigation measures and environmental management during construction and operation phase of project, it is essential that an effective Environmental Monitoring Plan as given in **Table 6.1**.

Ambient Air Quality (AAQ) Monitoring

Ambient air quality parameters recommended for monitoring with regard to constructional activities are PM, CO, SO₂, and NOx. Monitoring had been carried out twice a year during construction phase in accordance to the National Ambient Air Quantity Standards. The locations with the pollution parameters to be monitored are detailed out in the Environmental Monitoring Plan (**Table 6.1**).

Noise Level Monitoring

The measurement of noise levels is carried out at all designated locations in accordance to the ambient Noise Standards formulated by CPCB as given. Noise level is monitored on twenty-four hourly basis. Noise should be recorded at "A" weighted frequency using a slow time response mode of the measuring instrument. The measurement location, duration and the noise pollution parameters to be monitored are detailed in the Environmental Monitoring Plan (Table 6.1).

Ground Water Monitoring

Ground Water quality parameter for monitoring will be as per drinking water standard IS 10500:2012. The parameters within the desirable and permissible parameters to be monitored are detailed out in the Environmental Monitoring Plan (Table 6.1)

Soil Quality Monitoring

Soil quality parameters for monitoring will be as per IS standards and APHA standards. Monitoring will be done at one location inside the project. Frequency of monitoring will be twice a year or as per conditions of EC or as per requirement of SPCB.

- An environmental monitoring program is of utmost importance as it serves several crucial purposes:
- Validate the predictions regarding environmental impacts outlined in this study: By implementing an environmental monitoring program, relevant data can be gathered and compared with the projected

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 6

outcomes stated in the study. This verification process helps ensure the accuracy of the predictions and enhances our understanding of the actual environmental consequences.

- Aid in identifying the emergence of undesired environmental situations: An effective monitoring
 program enables the timely detection of any unfavorable changes in the environment. By regularly
 assessing various parameters such as air and water quality, biodiversity, and ecosystem health, we can
 promptly identify potential issues. This early detection provides an opportunity to implement
 appropriate control measures and mitigate any negative impacts.
- Evaluate the effectiveness of mitigation measures proposed in the Environmental Management Plan (EMP) and suggest improvements: Through consistent monitoring, the performance of the mitigation measures outlined in the EMP can be assessed. If necessary, the monitoring program can also identify areas for improvement in the management plan, leading to more efficient and targeted environmental management strategies.
- Fulfill legal and statutory obligations: An environmental monitoring program helps organizations comply with legal and regulatory requirements related to environmental protection. By implementing a comprehensive monitoring system, organizations can demonstrate their commitment to environmental responsibility and ensure they meet the necessary obligations set forth by governing bodies.

The post project monitoring plan including areas, number and location of monitoring stations, frequency of sampling and parameters to be covered is summarized in Table 6.1. The monitoring is the responsibility of EMC. The post operational monitoring program is under the supervision of the Site Engineer at the project site. Monitoring is get carried out by recognized laboratories.

| S. No. | Particulars | Monitoring Location | Parameters | Frequency |
|-----------|---|------------------------|------------------------------|------------------------------|
| 1 | Stack Emission from Boiler and Gas Gen Set | Project Site | PM, SOx, NOx, CO | Quaterly or as per condition |
| 2 | Work place monitoring near pickling area | Pickling Area | As per NAAQS | of EC |
| 3 | Ambient Air Quality | Project Site and | PM2.5, PM10, SO2, NOx and CO | Twice a year |

Table 6.1 Environmental Monitoring Plan-Construction & Operational Phase

| | age Dhatir & Dudhola, | r uiwai, Haryana | Draft EIA Repo | eri - Chapter 6 |
|----|-----------------------|--|--|-----------------|
| | | nearby two sites | | |
| 4 | Indoor Ait Quality | Project Site | PM _{2.5} , PM ₁₀ , SO ₂ , NOx and CO | Twice a year |
| 5 | Ambient Noise Level | Project Site Rolling mill area Power generator area Compressor area | Noise levels | Twice a year |
| 6 | Indoor Noise Level | Project Site | Noise levels | Twice a year |
| 7 | Soil quality | Project Site | Basic Parameters | Twice a year |
| 8 | Drinking Water | Near project site in down slope area | As per IS:10500 | Quarterly |
| 9 | DG Stack Emission | Project Site | As Per Emission Standards | Quarterly |
| 10 | DG Noise Level | Project Site | As per CPCB Standards | Twice a year |
| 11 | Wastewater Quality | ETP & STP inlet and outlet | pH, TSS, TDS, BOD, COD, O&G and other parameters as per approved CTO | Quarterly |

6.3 Data Management

The monitoring is being carried out at regular frequency and for the study area and further had been carried out through MoEF&CC/NABL approved laboratory. All results are maintained at the project site and submitted to the SPCB as per the reporting requirements.

6.4 Reporting Schedules

The operation phase monitoring will be carried out as per the monitoring programme mentioned in the EMP. The post operational monitoring program is under the supervision of the facility manager at the project site. Monitoring is carried out by recognized laboratories. The results of the analysis will be intimated to the project head. Any anomaly in test results will be verified into and proper corrective actions were undertaken.

A complaint register shall also be maintained to note any complaints from the staff and visitors of the PEPL project CRCA sheets and steel pipes manufacturing facilities or any other stakeholder. Corrective actions taken against the complaints were also being noted and implemented.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

> CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 6

6.5 Environmental Monitoring Budget

Environmental Monitoring Monitoring Unit Price **Total Price** S. Sample Parameter Frequency No. Number (In Rs.) (In Rs.) (In Year) Ambient Air **Drinking Water** Ambient Noise Indoor Noise Soil D.G Set Stack Emission D.G. Noise Indoor Air Quality **ETP Inlet ETP** Outlet **Boiler Emission** Pickling Stack Emission STP Inlet STP Outlet **Total Environmental Monitoring Cost (In Rs.) Total Environmental Monitoring Cost (In Lakhs)** 3.72

Table 6.2 Environmental Monitoring Plan-Construction Phase & Operational Phase

6.6 Emergency

Alarming levels of pollutants in any of the monitored component may raise alarm in the proposed project. However, such information should be made available to the all the employees through notices. The employees may also be consulted on necessary steps to be taken on an immediate and long-term basis to tide over the problem.

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 7

<u>CHAPTER-7</u> ADDITIONAL STUDIES

7.1 Introduction

As per the EIA Notification, 2006 and its amendments thereof in this chapter details about obtaining public opinion about the proposed project, rehabilitation and resettlement details and risk associated with construction and operation of project are to be enumerated.

7.2 Public hearing

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries/ units are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of 1 (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July, 2022. Hence no public consultation is required for existing part of the industry.

Public Hearing is applicable only for the expansion part of the industry. Therefore final EIA will be submitted after the incorporation of minutes/proceedings of the public hearing carried at Village: Dudhola, Tehsil and District: Palwal (Haryana).

7.3 Rehabilitation and resettlement

The CRCA sheets and Steel Pipes manufacturing facilities located At Village Dhatir & Dudhola, Palwal, Haryana is an already an existing unit for the manufacturing of 600 MT/Day CRCA sheets and 95 MT/Day ERW steel pipes located at village Dhatir & Dudhola, Palwal. There is No settlements exist within project area. No R & R Policy of Govt. of Haryana is required as the project has been acquired through Haryana State Industrial & Infrastructure Development Corporation Limited (HSIICD), Haryana.

7.4 Risk Assessment and Disaster Management Plan

Prompt Enterprises Pvt Ltd is already established company for manufacturing of CRCA sheets and ERW Pipes with existing capacity of CRCA sheets @600 MT/Day and ERW Steel Pipe @95 MT/Day in existing plot admeasuring 42,443 m²area.The company is also undertaking expansion. The existing capacity will be increased by 1500 MT/Day in 60,879.288 m² area in a plot adjacent to existing plot.

```
Draft EIA Report - Chapter 7
```

Hence, total proposed production capacity will be @2100 MT/Day and ERW Steel Pipe @95 MT/Day. The process of CRCA sheets and Steel Pipes manufacturing involved handling and storage of hazardous chemicals which can pose risk to life and properties in an unlikely event of emergency. It is thus considered necessary to carry out a risk assessment and disaster management plan for the project.

7.4.1 Type of Emergency, External and Internal Origin of Hazards

Following table showing activities during construction phase risks and hazards associated with these and the mitigation measures adopted to restrict eventualities are given in **Table 7.1**.

| Hazards Associated with Activities | Control / Mitigation Measures |
|---|---|
| Manual Handling | Exercise / warm up - get help needed - control |
| Strains and sprains - incorrect lifting - too | loads - rest breaks/ no exhaustionno rapid |
| heavy loads - twisting - bending - repetitive | movement/ twisting/ bending/ repetitive |
| movement – body vibration. | movement - good housekeeping. |
| Falls – Slips – Trips | Housekeeping - tidy workplace - guardrails, |
| Falls on same level – falls to surfaces below – | handholds, harnesses, hole cover, hoarding, no |
| poor housekeeping – slippery surfaces uneven | slippery floors/trip hazards-clear/safe access to |
| surfaces - poor access to work areas climbing | work areas-egress from work areas-dust/water |
| on and off plant - unloading materials into | controlled-PPE |
| excavations wind - falling objects | |
| Fire | Combustible/flammable materials properly |
| Flammable liquids/Gases like LPG, Diesel | stored/used - good housekeeping - fire |
| Storage area and combustible building materials | extinguishers made available & Fire hydrant |
| - poor housekeeping - grinding sparks - open | Network with reserve Fire water (As per NFPA |
| flames, absence of Fire hydrant net work | Code) - Emergency Plan in case of fire or |
| | collapse of structure – Mock drills. |
| Absent of Personal Protective Equipment | Head/face-footwear-hearing/eye-skin- |
| Lack of adequate footwear - head protection | respiratory protection provided -training- |
| hearing / eye protection – respiratory protection | maintenance. |
| – gloves – goggles. | |
| Defective or wrong Hand Tools | Right tool for the job should be used properly- |

Table 7.1 Activities and Mitigation Measures during Construction

| lebris – caught in or on – missing guards – eye/face protection-flying debris controlled. earbon monoxide – strains and sprains – dust. Leads good condition and earthed-no temporary repairs-no exposed wires-good insulation-no overloading-use of protective devices-testing and tagging-no overhead/underground services. Sectrocution – overhead / underground ervices – any leads damaged or poorly insulated – temporary repairs – no use of rotective devices. Leads good condition and earthed-no temporary repairs-no exposed wires-good insulation-no overhead/underground services. Secaffolding All scaffolds correctly braced and stabilized-3:1 height to base ratio-firm foundation, plumb and level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured-guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail. adders Secured against movement or footed-ladders in good condition-regularly inspected-extend J m above platform-4:1 angle-out of access ways, vehicle movements). Scaryting loads-not secured against movement or footed-ladders in good condition-regularly inspected-extend J m above platforms. Sxcavations Soil stability known-no water accumulation-existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE-ladders-public protection-atmospheric testing-traffic controls-emergency plan as Cutting and Welding Welding flash and burns controlled with PPE and shields-furmes controlled with ventilation and shields-furmes controlled with ventilation and shields-furmes controlled with ventilation and speerly positions), Gas cylinders be kept upright & </th <th>At Village Dhatir & Dudhola, Palwal, Haryana</th> <th>Draft EIA Report - Chapter</th> | At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter |
|--|---|---|
| arbon monoxide – strains and sprains – dust. Leads good condition and earthed-no temporary Stectricity Leads good condition and earthed-no temporary Stectrocution – overhead / underground repairs-no exposed wires-good insulation-no over foading-use of protective devices. and tagging-no overhead/underground services. scaffolding All scaffolds correctly braced and stabilized-3:1 'oor foundation-lack of ladder access height to base ratio-firm foundation, plumb and nsufficient planking-lack of guardrails and toe level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured- guardrails and toe revent overturning. bigh, with 200 mm of working face, mid-rail. adders Secured against carrying loads-not gangles, in access ways, vehicle movements). Soil stability known-no water accumulation- arrying services-falls-hazardous tropsphere struck by traffic and mobile plant. Soil stability known-no water accumulation- arders Soil stability known-no water accumulation- werkend underground services-falls-hazardous tropsphere struck by traffic and mobile plant. Soil stability known-no water accumulation- awet conditions-flashback in oxygen set, | Wrong tool - defective tool - struck by flying | good condition/maintenance guards-isolation- |
| Electricity Leads good condition and earthed-no temporary repairs-no exposed wires-good insulation-no overloading-use of protective devices-testing and tagging-no overhead/underground services. and tagging-no overhead/underground services. Scaffolding All scaffolds correctly braced and stabilized-3:1 Poor foundation-lack of ladder access height to base ratio-firm foundation, plumb and level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured-guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail. Cadders Secured against carrying loads-not secured against islodgement-defective ladders-not sufficient secured against contact-no higher than3rd step down-use for access only, not working platforms. Excavations Soil stability known-no water accumulation-regularly inspected loads-hardhats/PPE-ladders-public protection-atmospheric testing-traffic controls-emergency plan Gas Cutting and Welding Welding flash, burns, fumes, electrocution and shields-fumes controlled with ventilation and specific spectra. welding flash, burns, fumes, electrocution on wet conditions-flashback in oxygen set, aking cylinders, accetylene cylinders lying Soil scylinders be kept upright & positions), Gas cylinders be kept upright & positions), Gas cylinders be kept upright weight agains). | debris – caught in or on – missing guards – | eye/face protection-flying debris controlled. |
| Electrocution – overhead / underground repairs-no exposed wires-good insulation-no ervices – any leads damaged or poorly overloading-use of protective devices-testing and tagging-no overhead/underground services. and tagging-no overhead/underground services. scaffolding All scaffolds correctly braced and stabilized-3:1 Poor foundation-lack of ladder access height to base ratio-firm foundation, plumb and level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured-guardrails and toe boards-900 m to 1100 mm eadders Secured against Secured against movement or footed-ladders in good condition-regularly inspected-extend 1 m adders Secured against islodgement-defective ladders-not sufficient Secured against own-ments-climbing-no carrying loads-not secured against angles, in access ways, vehicle movements). Soil stability known-no water accumulation-resultarly inspected-extend 1 m aderground services-falls-hazardous Soil stability known-no water accumulation-resultarly inspected loads-hardhats/PPE-ladders-public protection-atmospheric testing-traffic controls-emergency plan Sas Cutting and Welding Welding flash, burns, fumes, electrocution ower conditions-flashback in oxygen set, aking cylinders, acetylene cylinders lying Welding flash and burns controlled with ventilation and properly positions), Gas cylinders be kept upright & | carbon monoxide – strains and sprains – dust. | |
| ervicesany leads damaged or poorly nsulated – temporary repairs – no use of rotective devices.overloading-use of protective devices-testing and tagging-no overhead/underground services.ScaffoldingAll scaffolds correctly braced and stabilized-3:1 height to base ratio-firm foundation, plumb and level-ladder access poards-insufficient ties or other means-all caffolds incorrectly braced or stabilized to prevent overturning.All scaffolds correctly braced and stabilized-3:1 height to base ratio-firm foundation, plumb and level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured- guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail.addersSecured against agod condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-not secured against angles, in access ways, vehicle movements).ScavationsSoil stability known-no water accumulation- existing services falls-hazardous troophere struck by traffic and mobile plant.Sas Cutting and Welding ire-welding flash, burns, fumes, electrocution h wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash and burns controlled with VPE and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & costions), Gas cylinders be kept upright & | Electricity | Leads good condition and earthed-no temporary |
| nsulated – temporary repairs – no use of protective devices.and tagging-no overhead/underground services.scaffoldingAll scaffolds correctly braced and stabilized-3:1 height to base ratio-firm foundation, plumb and tevel-ladder access provided and used-proper platform(3 planks/675mm)-planks secured- guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail.addersSecured against good condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.ExcavationsSoil stability known-no water accumulation- existing services hown-material 600 mm from edge-clear of suspende loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planSas Cutting and Welding ire-welding flash, burns, fumes, electrocution wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash and burns controlled with VPE and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & costions), Gas cylinders be kept upright & | Electrocution overhead / underground | repairs-no exposed wires-good insulation-no |
| All scaffoldingAll scaffolds correctly braced and stabilized-3:1Poor foundation-lack of ladder accessheight to base ratio-firm foundation, plumb andinsufficient planking-lack of guardrails and toeheight to base ratio-firm foundation, plumb andisourds-insufficient ties or other means-allplanks/675mm)-planks secured-caffolds incorrectly braced or stabilized toguardrails and toe boards-900 m to 1100 mmhigh, with 200 mm of working face, mid-rail.Secured againstcaddersSecured againstcarryingloads-notloads-notsecuredagainstgood condition-regularly inspected-extend 1 mabove platform-4:1 angle-out of access ways,ength-wrongposition-incorrectlyplacedown-use for access only, not workingplatforms.Soil stability known-no water accumulation-excavationsSoil stability known-no water accumulation-rench collapse-material falling in undetectedservices-falls-hazardoustmosphere struck by traffic and mobile plant.Welding flash and burns controlled with PPEadders-public protection-atmospheric testing-and shields-fumes controlled with ventilationaw et conditions-flashback in oxygen set,and PPE (in good condition and properlypositions, Gas cylinders, acetylene cylinders lyingpositions), Gas cylinders be kept upright & | services - any leads damaged or poorly | overloading-use of protective devices-testing |
| ScaffoldingAll scaffolds correctly braced and stabilized-3:1Poor foundation-lack of ladder accessheight to base ratio-firm foundation, plumb andnsufficient planking-lack of guardrails and toeheight to base ratio-firm foundation, plumb andnoor foundation-lack of guardrails and toeplatform(3 planks/675mm)-planks secured-caffolds incorrectly braced or stabilized toguardrails and toe boards-900 m to 1100 mmhigh, with 200 mm of working face, mid-rail.Secured againstcadderssecured againstcarrying loads-not secured againstSecured against movement or footed-ladders ingood condition-regularly inspected-extend I mbislodgement-defective ladders-not sufficientabove platform-4:1 angle-out of access ways,wehicle movements-climbing-no carryingloads-3 points of contact-no higher than3rd stepdown-use for access only, not workingplatforms.Excavations'rench collapse-material falling in undetectedmosphere struck by traffic and mobile plant.Cass Cutting and Weldingire-welding flash, burns, fumes, electrocutionon wet conditions-flashback in oxygen set,awet conditions-flashback in oxygen set,awet conditions, flashback in oxygen set,awet conditio | insulated - temporary repairs - no use of | and tagging-no overhead/underground services. |
| Poorfoundation-lackofladderaccessPoorfoundation-lackofladderaccessPoorfoundation-lackofguardrails and toeInsufficientplanking-lackofguardrails and toepoords-insufficienttiesorothermeans-allplatform(3planks/675mm)-plankssecured-guardrailsand toeboards-900 m to1100 mmpreventoverturning.high, with 200 mm of working face, mid-rail.addersSecuredagainstgood condition-regularly inspected-extend I maboveplatform-4:1angle-out of access ways,ength-wrongposition-incorrectlyplacedangles, in access ways, vehiclemovements).loads-3 points of contact-no higher than3rd stepdown-useforaccessonly, notworkingplatforms.Soilstability known-no watercaravationsSoilstability known-no water accumulation-renchcollapse-material falling in undetectedservices-falls-hazardoustmosphereservices-falls-hazardouswelding flash and burns controlled with PPE-ladders-publicprotection-atmospheric testing-traffic controls-emergency planwelding flash, burns, fumes, electrocutionandshields-fumes controlled with ventilationand wet conditions-flashback in oxygen set,and PPE (in good condition and properlypositions), Gas cylinders be kept upright & | protective devices. | |
| Insufficient planking-lack of guardrails and toe poords-insufficient ties or other means-all provent overturning.level-ladder access provided and used-proper platform(3 planks/675mm)-planks secured- guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail.Ladders Carrying loads-not secured against islodgement-defective ladders-not sufficient angles, in access ways, vehicle movements).Secured against movement or footed-ladders in good condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.Excavations Trench collapse-material falling in undetected inderground services-falls-hazardous tmosphere struck by traffic and mobile plant.Soil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planCas Cutting and Welding ire-welding flash, burns, fumes, electrocution o wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | Scaffolding | All scaffolds correctly braced and stabilized-3:1 |
| boards-insufficient ties or other means-all caffolds incorrectly braced or stabilized to prevent overturning.platform(3 planks/675mm)-planks secured- guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail.adders Carrying loads-not secured against isiodgement-defective ladders-not sufficient angles, in access ways, vehicle movements).Secured against movement or footed-ladders in good condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.Excavations rench collapse-material falling in undetected nderground services-falls-hazardous tmosphere struck by traffic and mobile plant.Soil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planSas Cutting and Welding ire-welding flash, burns, fumes, electrocution o wet conditions-flashback in oxygen set, axing cylinders, acetylene cylinders lyingWelding flash and burns controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | Poor foundation-lack of ladder access | height to base ratio-firm foundation, plumb and |
| caffolds incorrectly braced or stabilized to prevent overturning.guardrails and toe boards-900 m to 1100 mm high, with 200 mm of working face, mid-rail.caddersSecured against good condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.cxcavationsSoil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency plancase Cutting and Welding ire-welding flash, burns, fumes, electrocution w exconditions-flashback in oxygen set, awing cylinders, acetylene cylinders lyingWelding flash and burns controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | insufficient planking-lack of guardrails and toe | level-ladder access provided and used-proper |
| revent overturning.high, with 200 mm of working face, mid-rail.LaddersSecured againstCarryingloads-notsecured againstlislodgement-defectiveladders-notsufficientength-wrongposition-incorrectlyplacedangles, in access ways, vehicle movements).loads-3 points of contact-no higher than3rd stepdown-usefor access only, notworkinggoal to make the platforms.ExcavationsSoil stability known-no water accumulation-rench collapse-material falling in undetectedservices-falls-hazardoustmosphere struck by traffic and mobile plant.Soil stability known-material 600 mm fromcas Cutting and WeldingWelding flash and burns controlled with PPEire-welding flash, burns, fumes, electrocutionwelding flash and burns controlled with ventilationor wet conditions-flashback in oxygen set,and PPE (in good condition and properlypositions), Gas cylinders be kept upright & | boards-insufficient ties or other means-all | platform(3 planks/675mm)-planks secured- |
| LaddersSecured against movement or footed-ladders in good condition-regularly inspected-extend 1 m above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.ExcavationsSoil stability known-no water accumulation- existing services falls-hazardous tmosphere struck by traffic and mobile plant.Carter and Welding ire-welding flash, burns, fumes, electrocution o wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash and burns controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | scaffolds incorrectly braced or stabilized to | guardrails and toe boards-900 m to 1100 mm |
| Carryingloads-notsecuredagainstCarryingloads-notsecuredagainstdislodgement-defectiveladders-notsufficientength-wrongposition-incorrectlyplacedangles, in access ways, vehicle movements).loads-3 points of contact-no higher than3rd steploads-3 points of contact-no higher than3rd stepdown-usedown-useforaccesscxcavationsSoil stability known-no watercrench collapse-material falling in undetectededge-clearndergroundservices-falls-hazardoustmosphere struck by traffic and mobile plant.Welding flash and burns controlled with PPEliadders-public protection-atmospheric testing- traffic controls-emergency planWelding flash and burns controlled with ventilationon wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingset gainst | prevent overturning. | high, with 200 mm of working face, mid-rail. |
| dislodgement-defective ladders-not sufficient ength-wrong position-incorrectly placed angles, in access ways, vehicle movements).above platform-4:1 angle-out of access ways, vehicle movements-climbing-no carrying loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.ExcavationsSoil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planExcavating flash, burns, fumes, electrocution n wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash and burns controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | Ladders | Secured against movement or footed-ladders in |
| ength-wrongposition-incorrectlyplacedvehiclemovements-climbing-nocarryingangles, in access ways, vehicle movements).loads-3 points of contact-no higher than3rd steploads-3 points of contact-no higher than3rd stepdown-usefor access only, notworkingplatforms.Soil stability known-nowater accumulation-cxcavationsSoil stability known-no water accumulation-crench collapse-material falling in undetectedexisting services known-material 600 mm fromndergroundservices-falls-hazardoustmosphere struck by traffic and mobile plant.dege-clear of suspended loads-hardhats/PPE-ladders-public protection-atmospheric testing- traffic controls-emergency planwelding flash and burns controlled with PPEand shields-fumes controlled with ventilationand shields-fumes controlled with ventilationn wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingges cylinders be kept upright & | Carrying loads-not secured against | good condition-regularly inspected-extend I m |
| angles, in access ways, vehicle movements).loads-3 points of contact-no higher than3rd step down-use for access only, not working platforms.ExcavationsSoil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planEas Cutting and Welding ire-welding flash, burns, fumes, electrocution h wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash of contact-no higher than3rd step down-use for access only, not working platforms.Soil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planSas Cutting and Welding ire-welding flash, burns, fumes, electrocution h wet conditions-flashback in oxygen set, positions), Gas cylinders be kept upright & | dislodgement-defective ladders-not sufficient | above platform-4:1 angle-out of access ways, |
| down-useforaccessonly,notworkingplatforms.ExcavationsSectionsSoil stability known-noSoil stability known-nowater accumulation-existing services known-material 600 mm fromedge-clear ofservices-falls-hazardoustmosphere struck by traffic and mobile plant.tmosphere struck by traffic and mobile plant.tadders-public protection-atmospheric testing-traffic controls-emergency planSas Cutting and Weldingtire-welding flash, burns, fumes, electrocutiono wet conditions-flashback in oxygen set,eaking cylinders, acetylene cylinders lyingpositions), Gas cylinders be kept upright & | length-wrong position-incorrectly placed | vehicle movements-climbing-no carrying |
| Dateplatforms.ExcavationsSoil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planExcavationsWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | (angles, in access ways, vehicle movements). | loads-3 points of contact-no higher than3rd step |
| ExcavationsSoil stability known-no water accumulation- existing services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planCase Cutting and WeldingWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | | down-use for access only, not working |
| Trench collapse-material falling in undetected ndergroundexisting services known-material 600 mm from edge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planTotal Control SectionWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and wet conditions-flashback in oxygen set, eaking cylinders, acetylene cylinders lyingWelding flash controls be kept upright & | | platforms. |
| ndergroundservices-falls-hazardousedge-clear of suspended loads-hardhats/PPE- ladders-public protection-atmospheric testing- traffic controls-emergency planCas Cutting and WeldingWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | Excavations | Soil stability known-no water accumulation- |
| tmosphere struck by traffic and mobile plant.ladders-public protection-atmospheric testing- traffic controls-emergency planSas Cutting and WeldingWelding flash and burns controlled with PPE and shields-fumes controlled with ventilation and shields-fumes controlled with ventilation and PPE (in good condition and properly positions), Gas cylinders be kept upright & | Trench collapse-material falling in undetected | existing services known-material 600 mm from |
| traffic controls-emergency planCas Cutting and WeldingWelding flash and burns controlled with PPEire-welding flash, burns, fumes, electrocutionand shields-fumes controlled with ventilationin wet conditions-flashback in oxygen set,and PPE (in good condition and properlycaking cylinders, acetylene cylinders lyingpositions), Gas cylinders be kept upright & | underground services-falls-hazardous | edge-clear of suspended loads-hardhats/PPE- |
| Sas Cutting and WeldingWelding flash and burns controlled with PPEire-welding flash, burns, fumes, electrocutionand shields-fumes controlled with ventilationo wet conditions-flashback in oxygen set,and PPE (in good condition and properlyeaking cylinders, acetylene cylinders lyingpositions), Gas cylinders be kept upright & | atmosphere struck by traffic and mobile plant. | ladders-public protection-atmospheric testing- |
| ire-welding flash, burns, fumes, electrocution and shields-fumes controlled with ventilation wet conditions-flashback in oxygen set, and PPE (in good condition and properly eaking cylinders, acetylene cylinders lying positions), Gas cylinders be kept upright & | | traffic controls-emergency plan |
| wet conditions-flashback in oxygen set, and PPE (in good condition and properly eaking cylinders, acetylene cylinders lying positions), Gas cylinders be kept upright & | e e | Welding flash and burns controlled with PPE |
| eaking cylinders, acetylene cylinders lying positions), Gas cylinders be kept upright & | Fire-welding flash, burns, fumes, electrocution | |
| | in wet conditions-flashback in oxygen set, | |
| own-poorly maintained leads secured position (properly tied)-combustible | eaking cylinders, acetylene cylinders lying lown-poorly maintained leads | · · · · · · · · |

M/s Prompt Enterprises Pvt. Ltd.

| | materials to be kept at secured place to avoid |
|---|---|
| | fire & Fire Extinguishers to be kept in fire prone |
| | area with training to people for its use. |
| Falling Material | Materials to be secured - kept away from edge- |
| Fall during carrying/Lifting materials-dislodged | toe boards-Use of hard hats. |
| tools and materials from overhead work areas. | |
| Crane age & Lifts | Periodic testing by competent authority- |
| Display of carrying capacity i.e. load (No. of | correctly slung/ secured loads, lifting equipment |
| person) incorrectly slung, defective lifting | good condition-use of proper hand signals-falls |
| equipment, unsecured loads, craning in close | while unloading controlled. |
| proximity to building people and plant-falls- | |
| falling materials. | |
| Visitors Presence at site | Sufficient hoarding-fencing and barricades-safe |
| Falls-struck by-dropped materials-road | pedestrian access past site traffic management |
| accidents-insufficient hoarding or fencing- | for loading and delivery-construction separated |
| pedestrian access past site-mechanical plant | from occupied areas of projects. |
| movement on and off site. | |
| Apart from above mitigation measures, first aid | facility is available at the construction site. First aid |
| being provided immediately after an accident to | injure. Nearby hospital is Om Premia Hospital, Dell |
| Mathura Road (Distance 7.1 km in the ESE direc | ction). Nearest Police station is Police Chawki, Palw |
| Haryana (Distance 3.6 km in the W direction). | |
| 7.4.2 Hazards identification during operation | phase |
| The existing project uses hazardous chemicals in | the process which are stored and handled as per MSII |
| rules. Some of the hazardous chemicals used in t | he manufacturing process are acids, PNG/LPG, H_2 et |
| A list of these chemicals and gases that are stored | for the existing plant as well as proposed expansion |
| are detailed in the Table 7.2. | |
| | |

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 7

| S. No. | Fuel Type | Storage capacity | Туре |
|-------------|----------------|------------------------------------|----------------------------|
| 1 | Diesel | 30 KL | Under Ground |
| 2 | HCI | 40 KL X 4 No. | Over Ground |
| 3 | LPG | 422 kg X8 Nos per Day | Over Ground |
| 4 | PNG | - | Suppling through Pipe Line |
| 5 | N2 | 10 KL | Over Ground |
| 6 | H ₂ | 6 m ³ X 172 Nos per Day | Over Ground |

Table 7.2 List of Chemical/Gas used in the process and their storage capacity

These are stored in designated area inside the factory premises complying with applicable PESO norms. License have been obtained from PESO and Statement of renewal of Existing Explosive Licenses vide license no P/NC/HN/15/1870 (P394505) valid up to 31.12.2023 is enclosed as Annexure-III

7.5 Emergency Response Plan (ERP)

The overall objective of an Emergency Response Plan (ERP) is to make use of the combined resources at the site and outside services to achieve the following:

- > To localize the emergency and if possible, eliminate it;
- > To minimize the effects of the accident on people and property;
- Planning the rescue and medical treatment of casualties;
- Safeguard other people;
- Evacuate workers to safe areas or common emergency area;
- Informing and collaborating with statutory authorities;
- Initially contain and ultimately bring the incident under control;
- Preserve relevant records and equipment for the subsequent enquiry into the cause and circumstances of the emergency;
- Investigating and taking steps to prevent reoccurrence.

The ERP is therefore related to identification of sources from which hazards can arise and the maximum credible loss scenario that can take place in the concerned area. The plan takes into account the maximum credible loss scenario-actions that can successfully mitigate the effects of losses/emergency need to be

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter 7 |
|--|---|
| well planned so that they would require less effort and resou | rces to control and terminate emergencies, |
| should the same occur. | |
| Standards and codes used in building construction to minim | ize the risk of natural calamities like wind |
| oad, seismic load (earthquake), thunder storm/ lightning etc, | as per NBC 2016 are given below: |
| Design Standards | |
| IS: 456-2000 - Code of Practice for Plain and Reinforced C | Concrete |
| • IS: 875 (Part 1 to 5)-1987 - Code of Practice for Design Lo | ads (Other Than Earthquake) for Buildings |
| and Structures. | |
| Part-1 Dead Loads- Unit Weights of Building Materials a | nd Stored Materials |
| Part-2 Imposed Load | |
| Part-3 Wind Loads | |
| Part-4 Snow Loads (Not relevant in this case) | |
| Part-5 Special Loads and Combinations | |
| • IS: 1893 (Part 1)-2002 - Criteria for Earthquake Resistant | Design of Structures |
| • IS: 4326- Earthquake resistant design and construction of | building |
| • IS: 13920-1993-Code of Practice for Ductile Detailing of I | Reinforced Concrete Structures subjected to |
| Seismic Forces | |
| • IS: 3370 (Part I, II & IV) - 1965: Code of practice for con- | crete structure for the storage of liquids |
| • IS: 2950 (Part I) Code of practice for design and construct | ion of raft foundations |
| • IS: 1904- Code of practice for design and construction of t | foundations in soils |
| • IS: 800-2007-General construction in steel-code of practic | ce. |
| Main hazards identified for the project include hazards perta | aining to fires in buildings and fire in diesel |
| storage areas, earthquake and LPG leakage and an ERP pert | aining to these is described in the following |

7.6 Risk Mitigation Measures

Plant Operation

- > Every set screw, bolt or key on any revolving shaft, spindle, wheel or pinion shall be so sunk, encased or effectively guarded as to prevent danger;
- > All spur, worm and other toothed or friction gearing which does not require frequent adjustment

M/s Prompt Enterprises Pvt. Ltd.

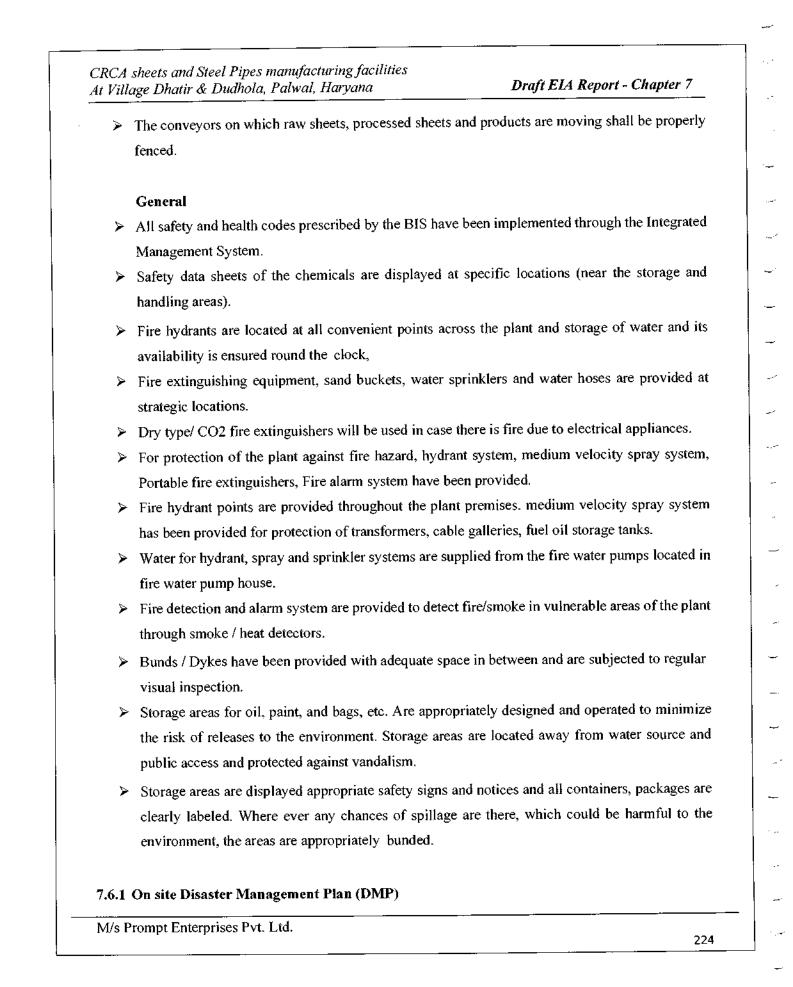
Ļ

Draft EIA Report - Chapter 7

while in motion shall be completely encased.

- suitable striking gear or other efficient mechanical appliance shall be provided and maintained and used to move driving belts to and from fast and loose pulleys which form part of the transmission machinery, and such gear or appliances shall be so constructed, placed and maintained as to prevent the belt from creeping back on to the fast pulley;
- > Driving belts when not in use shall not be allowed to rest or ride upon shafting in motion.
- Suitable devices for cutting off power in emergencies from running machinery shall be provided and maintained in every workroom.
- All hoists and lifts are of good mechanical construction, sound material and adequate strength and properly maintained,
- All hoists and lifts are thoroughly examined by a competent person at least once in every period of six months and a register shall be kept containing the prescribed particulars of every such examination.
- Every hoist way and lift way is protected by an enclosure fitted with gates, and is so constructed as to prevent any person or thing from being trapped between any part of the hoist or lift and any fixed structure or moving part.
- The maximum safe working load shall be plainly marked on every hoist or lift, and no load greater than such load shall be carried thereon;
- The cage of every hoist or lift used for carrying persons shall be fitted with a gate on each side from which access is afforded to a landing.
- The belt drives including the joint and the pulley rim, are in good repair,
- Secure footholds are provided for the operator;
- Ladders in use for carrying out any examination or operation are securely fixed or lashed or is firmly held by a second person.
- The safe working peripheral speed of ever cage, basket, flywheel, pulley, disc or similar appliance driven by power will not be exceeded.
- Plant or machinery or any part thereof is operated at a pressure above atmospheric pressure, effective measures are taken to ensure that the safe working pressure of such plant or machinery or part is not exceeded.
- All floors, steps, stairs, passages and gangways shall be of sound construction and properly maintained.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



Draft EIA Report - Chapter 7

The aim of disaster management is to ensure possible accidents are prevented by efficient operation, preventive maintenance, regular inspection, raising staff awareness and training on proper usage of safety equipment. DMP formulates a procedure for controlling disaster with minimum damage to men, material and machines, evacuating the victims to safer places, rescuing the victims and providing them medical treatment, rehabilitating the affected areas, delegating specific tasks to staff (avoid overlapping of activities within various groups) and preserving relevant records as evidence in any subsequent inquiry.

The general structure of DMP is described below:

- Emergency team leader is called site main controller (SMC) who shall be the plant manager. He shall lead the emergency response team. In his absence the senior most person available at plant shall act as emergency team leader.
- Besides the top officials described above, rest of the employees shall be divided into three action teams namely A, B, C.
- Action team A consists of staff of section in which accident has occurred. Team A will initiate action in case of an emergency.
- Action team B consists of staff of non-affected section and maintenance department. Team B will help team A by remaining in their respective sections and preparing to comply with specific instructions of SMC.
- Action team C consists of supporting staff i.e., security supervisor, shift supervisor and ancillary people comprising of contractor, labour. Team C consisting of supporting staff will help Team A as and when required and receive direction from Team B to act. Team C will help in evacuating the affected personal to safer place, under the supervision of Team B.
- A multi-channel communication network will connect Site Emergency Control Room (SECR) to control rooms of various other departments and the nearest fire station, medical Centre and district hospital/private hospital.
- The onsite emergency will in all probability commence with fire or burns and the victims shall be the members of operational staff on duty. In case a staff member on duty spots the emergency, he shall go to nearest emergency alarm location. He shall inform the exact location and nature of emergency to the firefighting station. In accordance with work emergency procedure, the following key activities shall immediately take place to control the emergency.
- On site crew shall arrive at the site of incident with necessary equipment.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 7

- Emergency security controller shall commence his role from main gate office.
- Site Main Controller shall arrive at SECR with members of his advisory and communication team and assume absolute control of the site. He shall receive information continuously from incident controller and give decisions and directions to the following:
 - Incident controller Site in charge Plant control room Security officer Site or shift medical officer
- After all the key emergency personnel have taken up their respective positions, the incident controller shall use communication system to convey and receive the messages. At the site of incident, the incident controller shall directly handle the emergency with the help of specific support group such as Team C.
- At the main gate, the Emergency Security Controller and Personnel Manager will contact external agencies. At the site first aid center, the designated staff will take control of medical support services. Site Main Controller shall direct and decide all issues and direct the following aspects:
- Whether the incident controller requires reinforcement of manpower and facilities.
- Whether the plant operation shall be shut down or kept in running condition.
- Whether the staff in other locations shall be kept indoors or evacuated and assembled at predefined safe areas.
- Whether the missing staff members shall be searched or rescued.
- Whether off-site emergency plan shall be activated and message to that effect shall be sent to the District Headquarter / Administration.
- Whether and when outside emergency services shall be called.
- Respond to any large size complaints from outside public and to assess an off-site impact arising out of the on-site emergency.
- When the incident has eventually been brought under control as declared by the incident controller, the SMC will send two members of his advisory team as incident site for the following purpose:
- To conduct an on-the-spot assessment of total damage and prevalent condition with particular attention to possibility of recurrence of the emergency situation, which may be temporarily under control.
- To inspect other parts of site which might have been affected by impact of incident.
- To inspect the personnel collection centers and roll call centers, to check if all persons on duty have been

Draft EIA Report - Chapter 7

accounted for.

- To inspect all the control rooms of the plant in order to assess and record the status of respective plants and to supervise any residual action that is deemed necessary.
- Once the emergency situation comes under control, the advisory team shall return to SECR with their observations, report and submit the findings in writing to SMC. Based on the reports, SMC shall communicate further directives to all emergency management sub-centers and finally declare and communicate termination of emergency and authorize step by step restoration of normal operation of the affected plant. Emergency security controller and personnel manager shall deal with all the members of public and other local bodies from the main gate office.
- During the entire period of emergency, the site shall remain out of bounds to external visitors except for the following officials: District fire personnel, District hospital ambulance staff, District administration, Factory Inspectorate Officers / Labour Commissioner, Officers of State Pollution Control Board, Insurance authorities.

Prompt Enterprises has prepared On-site Emergency Plan (Disaster Management Plan) which is approved by the concerned authority under the provisions of Factories Act. All safety and health codes prescribed by the BIS are implemented. Safety data sheets of the hazardous chemicals are displayed at specific locations. Fire hydrants are located at all convenient and strategic points along the major drains and checked for water availability on regular basis. Fire extinguishing equipment, sand buckets, water sprinklers and water hoses are provided at all convenient point. Fire, heat, smoke and hydrocarbon detection alarms have been installed.

7.6.1.1 List of PPEs provided:

PPE's & Safety rescue items are provided to workers (depending upon the associated risk at the job); Chemical cartridge type gas mask (self-contained breathing apparatus), Self-rescue type gas filters (with oxygen cylinder or compressed air), Mechanical filters, Fire proximity suits, asbestos aprons or aluminized asbestos suits), Safety helmets, Face shields, Petromax /Torches, Axes/hand saw, Fire entry suits, Fire blankets, Gloves (PVC, asbestos, special rubber make), Ropes, Ladders, Tested Rubber Hand glove, Blanket, Rubber sole shoes and gum boots, Safety shoes with toe protection, Shoes with non-skid soles, Safety belt with life line.

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 7

7.6.2 Offsite Disaster Management plan

The emergency situation in Prompt Enterprises Pvt Ltd existing plant as well as expansion plan can be classified in following three categories:

Level 1: This is an emergency or an incident which; can be effectively and safely managed, and contained within the site, location or installation by the available resources;

Has no impact outside the site, location or installation site of the machineries

Level 2: This is an emergency or an incident which; cannot be effectively and safely managed or contained at the location or installation by available resource and additional support is alerted or required. Has the potential to have an effect beyond the site, location or installation and where external support of mutual aid partner may be involved;

Level 3: This is an emergency or an incident with off-site impact which could be catastrophic and is likely to affect the population, property and environment inside and outside the installation, and management and control is done by district administration.

Although the Level 3 emergency falls under the purview of District Authority but till they step in, it should be responsibility of the unit to manage the emergency. Such types of emergencies are listed below:

| Man-made Cause | Natural Cause | Extraneous |
|------------------------------------|---------------------|---|
| Fire | Flood | Riots/ Civil disorder |
| Explosion | Earthquake | Terrorisms |
| Failure of critical control system | Cyclone | Sabotage |
| Design deficiency | Outbreak of Disease | Bomb Threat |
| Unsafe Acts | Extensive Rains | War/Hit by missiles |
| In-adequate maintenance | Tsunami | Abduction Food poisoning / Water Poisoning |

Apart from above mitigation measures, first aid facility is available at the project site. First aid is being provided immediately after an accident to injure. Nearby hospital are Om Premia Hospital, Delhi-Mathura Road (7.1 km, ESE). Nearest Police station is Police Chawki, Palwal, Haryana, (3.6 km, W). Type of emergency facilities/ actions required from outside bodies:

a) Firefighting facilities required: Factory will have its own firefighting facilities but during emergency,

Draft ELA Report - Chapter 7

fire brigade may be called.

b) Police help required during emergency for evacuation of the people, traffic control security arrangements etc. will be available.

c) Medical help required: seriously injured personnel may be referred to the local Hospital/Nursing Home/ESI Hospital depending upon the gravity and type of injuries.

EDUCATION OF PUBLIC: People living within the influence zone will be educated on the emergency in a suitable manner. This can be achieved only through the Local and District Authorities. However, necessary information can be extended to the Authority.

7.7 Natural Resources Conservation

The project leads to utilization of various natural resources. As an environmentally responsible corporate, the developers endeavor to conserve these resources by good management, treatment, recycling, reuse with the help of new technology for minimization of wastages and effective usage of resources. Already we are conserving natural resources at project site in the existing phase and same will be adopted

for the proposed expansion part of the project.

7.7.1 Conservation of Water Resources

At present fresh water source for domestic and Industrial usage is groundwater. The water conservation measures are being adopted and followed at site during construction as well as operational phase. Dual flushing cisterns and other water efficiency fixtures will be installed in the project site.

Treatment and recycling

At present in the existing unit, the effluent generated for the plant operation is being treated in the 220 KLD capacity ETP. The Capacity of ETP plant will be enhance in the expansion unit operation. After expansion ETP capacity will be 450 KLD. The wastewater generated from domestic usage will be treated in the 30 KLD capacity STP.

This is enabling the treated wastewater to be re-used for reuse in the process, flushing, and horticulture thereby minimizing the requirement of freshwater for these purposes. Thus, the net fresh water demand for the project is less than the quantity of treated sewage to be used in the project.

Reduced use of Water

Dual plumbing system will be provided at site for the recycling of treated water from STP, which save the consumption of fresh water. Similarly, wastewater generated from ETP is being recycle and reuse

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 7

again in the process. This results in saving fresh water demand.

7.7.2 Storm water Management and Rainwater Harvesting

The increased hard surface of CRCA sheets and Steel Pipes manufacturing facilities project increases the rainwater/storm water runoff as compared to the otherwise barren land. It is proposed to harvest rainwater run-off that is recharge the groundwater resource while reducing the burden of storm water management of the area and eventually natural water bodies. The storm water is treated through an oil and grease trap and allowed to flow through layers of sand and gravel for filtration prior to reaching the water table, to avoid any possibility of groundwater contamination.

The following management measures are suggested to protect the water quality during construction phase.

- Avoid excavation during monsoon season.
- Care would be taken to avoid soil erosion.
- To prevent surface and ground water contamination by oil/grease, leak proof containers would be used for storage and transportation of oil/grease. The floors of oil/grease handling area would be kept effectively impervious.
- Collection and settling of storm water, prohibition of equipment wash downs, and prevention of soil loss and toxic release from the construction site was adhered to minimize water pollution. Most of the storm water produced on site is harvested for ground water recharge. Thus proper management of this resource has been taken care to ensure that it is free of contamination. A detailed Storm Water Management Plan has been developed which consider the sources of storm water. The plan incorporates best management practices which include the following:
- Regular inspection and cleaning of storm drains.
- Installation of clarifiers or oil/ water separators system of adequate capacity around parking areas and garages as per requirement.
- Cover waste storage areas.
- Avoid application of pesticides and herbicides before wet season.
- Conducting routine inspections to ensure cleanliness.
- Preparation of spill response plans, particularly for fuel and oil storage areas.
- Provision of silt traps in rain water harvesting system.

7.7.3 Energy Conservation

Efforts are being taken for energy conservation using passive solar architecture wherever it is possible.

7.7.3.1 Energy Efficient Features

The energy efficiency features of the project are:

- LED based lighting fixtures in the common areas
- · Energy efficient motors and pumps
- · Appropriate design to reduce heat gain and loss

7.8 Traffic Study

Anthropogenic emissions not only contribute to the Greenhouse effect but also participate in the reaction resulting in photochemical oxidants. The effect of photochemical oxidants is well known for forming smog. Among the anthropogenic sources of pollutants forming the greenhouse gases, burning of fossil fuels constitute a major source. Highway mobile sources that contribute significantly to poor quality of air have not been regulated for the past two decades.

In Industries, trucks and four wheelers are a very popular mode of transport of raw material and products. Most of them are powered by six and four-stroke engines because of initial and maintenance costs. However, they have high emission levels causing air pollution. The objective of traffic study and emission quantification is to assess the magnitude of the emissions resulting from two wheelers, three wheelers and four wheelers that are extensively used as a means of common transport.

7.8.1 Traffic Impact Studies & Management Measures

The city is nearby the project site but it is connected with the service roads and in turn connected with Prithla- Dhatir Road which is adjacent to project site which is directly connected to the NH-919 Highway and hence traffic is also spread out.

7.8.2 Traffic Management Measures

- > The road markings, Lane markings, Signs and Signage are clearly shown.
- To establish smooth entry & exit of vehicles, bell mouth shape geometry is provided at the gates. This ensures smooth transition for merging of vehicles.
- Rubber humps are introduced for the outgoing vehicles at the exit gate drive way.
- > All gates are manned with efficient security who can guide the entry and exit of vehicles.

....

. . .

--

| t Vill | age Dhatir & Dudhola, Palwal, Haryana Draft ELA Report - Chapter 7 |
|--------|--|
| ≻ | All precautionary measures are ensured for the safety of workers while working at the site. |
| ۶ | Adequate sign & guide posts for traffic as per IRC (Indian Roads Congress) to be installed. |
| ۶ | Road marking, STOP lines, parking lanes, slot numbers etc, must be clearly painted so as to guid |
| | the drivers. |
| | **** |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| M/s I | Prompt Enterprises Pvt. Ltd. |

Draft EIA Report - Chapter 8

<u>CHAPTER-8</u> <u>PROJECT BENEFITS</u>

8.1 General

The project is manufacturing of CRCA sheets and ERW Pipes located at Village Dhatir & Dudhola, Palwal, Haryana by M/s Prompt Enterprises Pvt. Ltd. over a land measuring 25.53 acres (Existing + Expansion) with the production capacity CRCA sheets @2100 MT/Day and ERW Steel Pipe @95 MT/Day.

The salient features of the project include:

- · Efficient usage of water
- Wastewater treatment and recycling-reuse of treated sewage
- Storm water management and rain water harvesting
- Power supply through Gas Gen sets with Adequate stack height as per norms
- Traffic circulation and adequate parking facilities
- Solid waste management
- Landscape development and tree plantation
- Advanced fire protection systems
- Firefighting system as per NBC and emergency alarm system
- Multi-tiered security

8.2 Physical Infrastructure

The physical infrastructure of the local areas adjoining to the project site will greatly improve.

The project helps in meeting the growing employment need for people; it also provides state-of-the-art of modern terms of comfort and safety for its residents and visitors. Care has been taken to provide the occupants and visitors with necessary facilities as power, water supply, parking spaces, and landscaping, wide internal roads that are safe and secure.

8.3 Social Infrastructure

Project helps in meeting the growing employment needs for the local people. The project of this scale sets in an overall development of the region with construction of new or maintenance and widening of existing roads, power supply and water supply, since it is a large project it helps in meeting the growing

M/s Prompt Enterprises Pvt. Ltd.

residential needs of people and commercial needs of the nearby areas. Also, it brings the focus of the development authorities in the locality.

The social infrastructure near the project area will greatly improve due to;

- Employment generation both direct and indirect.
- Peripheral development
- Improved income levels arising from the employment and trading opportunity due to the project and,
- Improvement in facilities for education, communication, health care, etc, as narrated earlier.

8.4 Economic Benefits

The project has positive impact on the local economy in a convenient way. For existing phase, the construction phase of the project was engaging a large number of construction workers, whether skilled, semi-skilled or unskilled. The workers also being ensured welfare facilities such as drinking water, sheds for resting, medical facilities. Public transport facilities are also likely to be increased in link with the development of the area. The expansion phase of the project will follow the same approach.

8.5 Environmental Benefits

The project design had been made with due consideration of environmental measures to minimize the usage of natural resources and conservation of resources through optimal usage in a planned manner. The project at development phase will have several direct and indirect environmental benefits which are in terms of.

- Compliance of all provisions of EPA act ensures protection of Environment.
- Peripheral plantation will not only arrest the dust particles, but also will act as a source of oxygen for the area.
- With good governance by the management, there will be optimization of resource usage and utilization of alternative source of energy instead of conventional energy sources. This will indirectly reduce the carbon footprint for this area.
- Majority of the rejects generated from the process is recycled back in the process.
- Development of rainwater harvesting facility will act as a recharge point for the downstream ground water table conditions. This will have a positive impact for conservation of water and usage other than industrial purposes.

• The project employs zero discharge system and no wastewater is discharged outside the plant.

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 8

8.6 Parking Facilities & Traffic Management

The vehicles to be engaged in the transport of Raw material and products are being ensured to have pollution under check / control certificate and no vehicle was being allowed without PUC certificate in existing phase. The expansion phase of the project will follow the same approach.

There is sufficient parking space for the vehicles in existing unit as per the norms. The project has parking space of 318 ECS. Wide internal road and separate entry and exits are provided for the smooth traffic movement within the project complex. The project has roads on the periphery that facilitate the movement of traffic. Internal roads with suitable width had also been provided. The vehicular traffic will be around the periphery of the project without disturbing the landscaped areas and organized open spaces. Traffic Circulation plan is attached as *Annexure XV*.

8.7 Conservation of Energy

The power demand will be met from the Dakshin Haryana Bijli Vitran Nigam. There is provision of 3 no. of Gas Gen set of total capacity 7500 kw (2500 kw X 3). The Gas Gen sets are equipped with acoustic enclosure to minimize noise generation and adequate stack height for proper dispersion. PNG is using as fuel minimizing the pollutant emissions.

Energy Conservation measures and saving adopted by PEPL:

- Installation of Energy Efficient LED light
- · Installation of Energy Efficient pump and motors
- Use of AC motors

8.8 Conservation of Water

Fresh water requirement is met from Borewell Supply. There will not be any diversion of water from other sources. Wastewater generation by staff will be 24 KLD which will be treated in the 30 KLD capacity of STP. After treatment the treated water is used for firefighting system, floor washing, dust suppression and horticulture etc. Total Effluent generated from the Project is 370 KLD (52 KLD from existing Unit and 318 KLD will be generated from Expansion unit). The effluent generated from the Project operation will be treated in the 450 KLD ETP and recycled back to the process as make-up, to attain "zero" effluent discharge, facilitating adequate re-use of water in the respective re-circulating systems and economizing on the make-up water requirement without polluting the land or water

environment.

8.8.1 Dual Plumbing Plan

There is a proposal of dual plumbing system for using recycled treated sewage, which save the consumption of fresh water from municipal supply or groundwater. There will be two pipe lines, one supplying freshwater for drinking, washing etc. and other for supply of recycled treated sewage for flushing, landscape irrigation. This will results in saving fresh water demand.

8.8.2 Storm water Drainage and Rainwater Harvesting

The terrain exhibits a subtle and gradual incline, facilitating effective surface runoff. It is anticipated that the project will not modify or impede any existing water flow paths. Furthermore, there are no natural water channels traversing the project location. Therefore, the plan does not entail modifying the natural drainage systems.

The rainwater harvested the project area is being stored in Rain Water Storage Tank which will be recycle or reuse for various activities in the project site.

Since there are no natural water bodies near the site, the project does not pose any risk of surface water pollution.

8.9 Air Environment

In construction phase water sprinkling will be carried out to suppress the dust generating from excavation, loading, unloading & construction activities to minimize the air pollution. The emission from the stacks attached to standby Gas Gen set will be very less.

However suitable mitigation measures will be adopted to have less impact on environment.

· Gas Gen sets will comply with the applicable emission norms.

• The stacks of Gas Gen sets will be provided at appropriate height as per norm so that the emission get dispersed properly and not affect the surrounding air-environment.

The main benefit of clean air in the construction phase will improve workers health. They will not prone to any respiratory problems.

During operation stage, monitoring of emissions from Gas Gen sets, Boiler Stack, annealing furnace stack and ambient air quality will be carried out as per norms.

The prime benefit during operational phase with good air quality is that it reduces the chances of

respiratory problems of residents, staff etc. It also improves the aesthetics of the project. It increases the growth and development of plants and trees at the project site.

8.10 Noise Environment

All the Gas Gen sets will be as per the E (P) Rule and noise level from the Gas Gen sets is as per the prevailing standards.

- · Gas Gen sets was installed in the basement to minimize the impact on ambient noise.
- Separate room is being provided with lining/ treatment to insure 25 dB (A) insertion loss as per the regulations.
- Adequate exhaust mufflers are being provided as per norms to limit the noise.
- The Gas Gen sets was built in damper for anti-vibration.

8.11 Conservation of tree and plant species

No threatened, rare, endangered or endemic species were observed during the survey at project site & nearby areas. Moreover, the landscape plan had been designed for greenery development and plantation of tree species within the project complex which improves the aesthetic, reduce the pollution and provide fresh air environment and a visual retreat and relaxation to the population.

8.12 Reduce, Recycle and Reuse

- The excavated earth material will be used partly for backfilling and leveling. The excess excavated earth will disposed in vacant low-lying lands of project. The topsoil will be preserved separately and will reused for horticultural purpose.
- Waste such as steel, iron rods etc. from construction activities will be recycled and reused as far as possible.
- The wastewater will be treated in the STP and will reused for toilet flushing, cooling, and horticulture purpose making the unit as zero discharge during operation phase of the project. Dewatered/ dried sludge from STP will be used as manure in horticulture.
- Recyclable/ non-biodegradable solid wastes comprising paper, plastic, glass etc., is being sold to authorized recyclers for reuse.

8.13 Employment Potential

The plant would operate for about 330 days in a year. The estimated requirement of employment is about

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 8

employees is about 900 employees (direct and indirect) to operate the both existing and proposed plant.

8.13.1 Direct Employment

At present the existing plant engages approx. 100 company staffs and 300 staffs under contractual basis. In the expansion phase approx. 150 permanent staff and 350 staff under contractual basis are proposed to be engaged. Local people are always given preference in employment as per their skill and qualification. This enhances the present socio economic status of the local people.

8.13.2 Indirect Employment

Besides a number of semiskilled and unskilled workers are also involved for peripheral activities like transport, logistics, engineering, Services, commercial services etc. Ancillary growth of shop establishments (like that of grocery shops, garment shops, furniture shops), medical stores etc. also create opportunities for indirect employment.

8.14 Other Tangible Benefits

The project benefits also includes revenue earnings to the district and state through road tax, income by registration of trucks & trailers, income tax, GST, corporate tax etc. Corporate Responsibility for Environmental Protection (CREP) for steel industry is being complied. This results in lowest possible emissions, water conservation and reuse of treated wastewater and solid waste utilization which in turn lowers cost of production and conservation of resources.

Draft ELA Report - Chapter 9

CHAPTER -9

ENVIRONMENTAL COST BENEFIT ANALYSIS

9.1 Introduction

Environmental cost-benefit analysis (CBA) is the application of CBA to projects or policies that have the deliberate aim of environmental improvement or actions that somehow affect the natural environment as an indirect consequence.

External effects of a project are usually defined as income or income-equivalent welfare changes for individuals or groups not directly affiliated with the project. A project generating external effects neither receives nor makes a full financial payment to these individuals or groups. In economic analysis, all environmental effects, both costs and benefits, should be identified and, where possible, quantified. Environmental effects can be quantified by measuring the change in output that these effects cause in the economy. It is recognized, however, that some environmental effects, because of their nature, do not readily lend themselves to quantification.

The production capacity of the existing project is as below:

| | | QuantityProductExistingExpansionPlantUnit | | Total Production | |
|--------|-------------|---|------|------------------|-------------------|
| S. No. | Product | | | capacity | Unit |
| 1 | CRCA Sheets | 600 | 1500 | 2100 | Metric Tonnes/Day |
| 2 | Steel Pipes | 95 | - | 95 | Metric Tonnes/Day |

Table 9.1 Production capacity of project

With proper environmental management already adopted by the project, the emission from the plant does not pose any further damage to the environment. Also the socio -economic benefit from the project is immense as it has ushered the local area with employment and ancillary development and revenue generation.

9.2 Study of Environmental impacts of Project

The environmental impacts identified in the study are measured as the differences between the following three scenarios –

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

9.2.1 Scenario A: No Existence of the Project

With no project scenario, this will lead to -

- Increase the gap of demand and supply of cold rolled products of stainless steel.
- Increase the burden on nature by not recycling the scrap material resulting in failure to bring sustainability in steel sector.
- Failure to drive circular economy in the business of steel sector.
- Loss of employment, revenue generation and local infrastructure development due to no project scenario.
- · Loss of Govt. revenue if the project was not established.

In order to match the existing stainless steel production, following resources would have been consumed.

Resource Utilization to match the Existing production capacity:

Table 9.2 Raw Material of project

| Sr. No. | Product | Quantity (Existing Plant) | Quantity (Proposed Expansion Unit) | Total Quantity |
|---------|--|------------------------------|--|----------------|
| 1 | Hot Rolled Coils of Stainless Steel | 700 MT/Day | 1700 MT/Day | 2400Day |

9.2.2 Scenario B: Establishing the Project without Planning and Environmental Management Practices

In this case there will unabated release of pollutants which will destroy the environment as discussed in chapter-4.

9.2.3 Scenario C: Establishing the Project with Planning and Environmental Management Practices

a) Reduction in Carbon Footprint

Prompt Enterprises has taken following steps to reduce carbon footprint -

- PEPL uses 100% clean fuel [PNG/LPG] to make cold rolled product and special product.
- PEPL is working on 6RRethink, Refuse, Reduce, Reuse, Recycle, Repair to increase this culture.
- PEPL has plan to recycle ETP process sludge by using it for making bricks.

Draft EIA Report - Chapter 9

b) Establishing Acid Free Lines

The Cold rolling division has 14 Horizontal annealing lines where no acid is used to finish the Cold rolled Product and Special Product.

c) Water Conservation

Working on 6 R i.e. Rethink, Refuse, Reduce, Reuse, Recycle, Repair to increase this culture Prompt enterprises is committed to reduce its specific water consumption in Cold Rolled pickled annealed product. Entire effluent from industrial operations and domestic uses is treated and reused after treatment. Existing unit has adopted Zero Liquid Discharge System [ZLD].

d) Waste Minimization/Utilization

PEPL has plan to recycle ETP process sludge by using it for making bricks.

e) Future Plan to reduce Carbon Emission

Renewable Energy and ESG update:

The Company aims to install rooftop solar power generation and waste management systems in the future in order to promote renewable energy use.

9.3 Conclusion:

- It can be concluded safely that working on the policy of 6R i.e. Rethink, Refuse, Reduce, Reuse, Recycle, Repair, PEPL will be able to bring sustainability in the steel sector as well drive the circular economy in the steel sector business.
- The existing unit with its adequate environmental management system and continual improvement in energy, raw material, water efficiency of different production units will maximize the value of raw materials by encouraging practices such as reuse and remanufacturing.

Also the socio -economic benefit from the project is immense as it has ushered the local area with employment and anciliary development

Draft EIA Report - Chapter 10

CHAPTER -10

ENVIRONMENTAL MANAGEMENT PLAN

10.1 Introduction

The Environmental Management Plan (EMP) is a site-specific plan developed to ensure that the project is implemented in an environmentally sustainable manner where all contractors and subcontractors, including consultants, understand the potential environmental risks arising from the project and take appropriate actions to properly manage that risk. EMP also ensures that the project implementation is carried out in accordance with the design by taking appropriate mitigation measures to reduce adverse environmental impacts during its life cycle. The EMP Environmental management plan can be effectively implemented to mitigate pollution levels by observing the measures like avoidance, source reduction, on site recycling, by product extraction, and offsite recycling as first choice followed by treatment, release and disposal.

The plan outlines existing and potential problems that may adversely impact the environment and recommends corrective measures where required. Also, the plan outlines roles and responsibility of the key personnel and contractors who are responsible to manage the project site.

The key benefit of the EMP is that it provides the organization with means of managing its environmental performance thereby allowing it to contribute to improved environmental quality. The other benefits include cost control and improved relations with the stake holders.

• Commitment & Policy: The project management always strives to provide and implement the Environmental Management Plan that incorporates all issues related to air, noise, land, and water.

• Planning: This includes identification of environmental impacts, legal requirements and setting environmental objectives.

• Implementation: This comprises of resources available to the developers, accountability of contractors, training of operational staff associated with environmental control facilities and documentation of measures to be taken.

• Measurement & Evaluation: This includes monitoring, corrective actions, and record keeping.

M/s Prompt Enterprises Pvt. Ltd.

10.2 Structure of EMP

Environmental Management Plan (EMP) is the key to ensure a safe and clean environment. The desired results from the environmental mitigation measures proposed in the project may not be obtained without a management plan to assure its proper implementation & function. The EMP envisages the plans for the proper implementation of mitigation measures to reduce the adverse impacts arising out of the project activities. EMP has been prepared addressing the issues like:

• Pollution control / mitigation measures for abatement of the undesirable impacts caused during the construction and operation stage

· Institutional set up identified/recommended for implementation of the EMP

- · Post project environmental monitoring program to be undertaken
- Expenditures for environmental protection measures and budget for EMP

10.3 Environmental Management Plan

These measures together constitute part of Environmental Management Plan (EMP). The environmental mitigation measures for construction and operation phase have been given in **Table 10.1 & 10.2** respectively.

EMP study of construction phase is applicable only for expansion unit of the project as this is a post facto EIA study under the directive of Hon'ble NGT order dated 12.02.2020 (OA No. 55 of 2019) and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022.

| S. No. | Particulates | Potential Source of Impacts | Mitigation Measures | Responsibility |
|-----------|--------------|---|---|--|
| 1. | Air Quality | Windblown dust from ground surfaces, stockpiles, vehicles and cutting and grinding of materials. Emissions from Power generator Sets | Power generator set with appropriate stack height will be installed as per CPCB guidelines Gas based Generator sets will be used only during power failure. Regular monitoring of emissions from generator sets and ambient | Contractor under the supervision of Site Engineer/ In- charge |

Table 10.1 Environmental Mitigation Measures – Construction Phase

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | | Emission of Dus during construction and excavation | • | air quality is carried out as per norms. Twice a day sprinkling of water at the project site and transportation route of construction material within the project site. Stock piles of construction material at the project site will be covered with tarpaulin sheet Trucks will be covered with tarpaulin sheet during transportation of construction material Wheel washing facility will be provided at the entry and exit of construction site. | |
|----|----------------|---|------|---|--|
| | • | Increased sedimen | • | 6-meter barricading will be installed around the periphery of construction site. Wet grinding will be used for cutting of construction material Direct discharge of water into sewerage collection system is not | |
| 2. | ater Pality | loadings to storn water system Potentially contaminated storn water runoff. | l. • | allowed Construction work will not be allowed during rainy days. Washing/ cleaning of vehicles will not be permitted at the project site. | Contractor under the supervision of Site Engineer/ In- charge |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

. م.

| | Dudhola, Palwal, Haryana | Draft EIA Repor | rt - Chapter 10 |
|----------------|--|--|--|
| 3. Noise Level | Increased road noise levels from vehicles. Increased noise levels from plant during construction and excavation works (e.g. from the use of air compressors and diamond cutters). | Regular maintenance of construction equipment's and vehicles will be done to avoid any spillage. Construction activity such as crushing, operation of DG sets, use of high noise generation equipment shall be stopped during the night time between 10.00 pm to 6.00 am. Protection devices such as ear plugs or ear muffs will be provided to the workers operating in the vicinity of high noise generating machines. Construction equipment & machinery will be fitted with silencers & maintained properly. Source-control through proper maintenance of all equipment. Use of properly designed engine enclosures & intake silencers. Vehicles & equipment used will confirm to the prescribed noise pollution norms. Regular monitoring of Ambient Noise level Noise barrier will be installed around the periphery of the construction site. | Contractor the supervisid Site Enginee charge |



e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| r mage Dhain a | Dudhola, Palwal, Haryana | Draft ELA Report | |
|----------------|---|--|---|
| 4. Vibration | Increased vibration levels from vehicles. Increased vibration levels from plant during construction activities | Movement of vehicles will be restricted only through the designated transportation route which will be minimize the movement through the residential area of existing project. Construction activity shall be stopped during the night time between 10.00 pm to 6.00 am. Phased deliveries to minimize number of vehicles at the site. Movement of vehicles will be restricted only through the designated transportation route which will be minimize the movement through the restricted only through the designated transportation route which will be minimize the movement through the residential area of existing project. Noise and vibration control at source: for example, the selection of quiet and low vibration equipment. Acoustic enclosures equipment's will be used. The use of less intrusive audible warnings such as broadband vehicle reversing alarms; | Contractor under the supervision of Site Engineer/ Ia charge |
| 5. Solid Waste | • Waste from construction work | Construction waste will be stored under covered area and will be recycled and disposed-of through authorized vendors | Contractor und the supervision Site Engineer/ I charge |

M/s Prompt Enterprises Pvt. Ltd.

246

._.

. .

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | | Kitchen waste | Draft ELA Report Blue and Green colored dustbins | |
|----|---------------------|---|---|--------------------------|
| | | generated from labors. | will be placed at the project site for dry and wet garbage. Instigate Site Waste Management Plan and re-cycling programme | |
| 6. | Hazardous Wastes | Waste Oil Hazardous construction waste | Used oil will be given to registered recyclers. Hazardous construction waste will be stored under covered area and will be recycled and disposed-of through authorized vendors | Site Engineer/ charge |
| 7. | Fire Protection | • Fire by any means | Fire protection facilities are being installed including fire detectors, fire alarm panel and firefighting system as per National Building Code of India. | Fire Officer Fireman |
| 8. | Ecology | Diversion of Forest land Tree Felling | Proper maintenance of landscape has been done at project site round the year including replacement of the decayed plants. No Forest land involved. Tree felling is not required as no tree is present at the construction site. | Site Engineer/ charge |
| 9. | Safety | Any accident occurrence on project site during construction activity | • Adequate safety measures have been adopted complying with the occupational safety manuals to | Site Engineer/ charge |

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| | | prevent accidents/hazards to the maintenance workers. Providing Personal Protective Equipment's (PPE's) to all the workers for safety. Provision of First Aid room at the project site | |
|-------------|---|--|-----------------------------|
| 10. Traffic | A relatively small increase in traffic expected during the Construction Phase. Minor potential traffic disruption caused by site traffic. Increased vehicle movements mainly consisting of Heavy Goods Vehicles (HGVs) Nominal levels of transfer of mud and material from vehicles onto the public highway. Disruption from abnormal or hazardous loads. Exhaust emissions. | Phased deliveries to minimize numbers of vehicles attending site. Over loading is strictly prohibited Vehicle routing applied to all commercial vehicles attending the construction site. Planning traffic diversions Installation of Sign Board for speed limit and route sign. | Site Engineer/ In charge |

| 11. | Pedestrian access | Restrictions on pedestrian access to walkways, footpaths and roads. | Erect protective barriers and hoardings adjacent to public footpaths. Protected walkway to be provided for labors. | Site Engineer/ I charge |
|-----|----------------------|---|---|----------------------------|
| 12. | Others | Suffocation Working in confined spaces Day lighting Energy Consumption | The building is provided with timber-free construction, energy efficient lighting & ventilation, and control of indoor environment. Undertaking all necessary pollution control measures to maintain the emissions and discharges within the prescribed/stipulated limits. | Project Manager |

Table 10.2: Environment Management Plan [Operation Phase]

| Mitigation Measures Adopted | Responsibility for Implementation | Regulation | Targets to Achieve | Risks and Consequence of Failure, if any |
|---|---|---|---|--|
| | | AIR ENVIRO | DNMENT | |
| Adequate fume extraction system and use of clean fuel | | MoEF&CC Notification dated 03.01.1989 | To reduce the emission levels | Increase in pollutant emissions |
| Tall Stacks | PEPL | - | Wider dispersion of emitted air pollutants | Increase in ground level concentration of pollutants |
| Water sprinklers | | - | Control of fugitive dust | Increase in fugitive emissions |
| | | WATER ENVI | RONMENT | I |

M/s Prompt Enterprises Pvt. Ltd.

۰.

....

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| Cooling Towers | | MoEF&CC Notification dated 02.01.1999 | cooling systems | Increase in temp. of water |
|---|------|--|---|---|
| Effluent Treatment Plant | PEPL | MoEF Notification dated 19.05.1993 | Adequate treatment and reuse in the plant | Increase in concentration of pollutants |
| STP to treat domestic effluent from plant toilet, canteen and residential colony | | MoEF Notification dated 19.05.1993 | Proper treatment through STP located at PEPL and recycled | Increase in concentration of pollutants |
| Storm Water | | | Collection &reuse of storm water | Mixing of storm water with industrial effluent |
| | | NOISE ENVI | RONMENT | |
| Design of equipment | PEPL | CPCB Guidelines | To control noise levels to 90 dB(A) at 1 m distance | Increase in in-plant and ambient noise levels |
| Provision of acoustic enclosures/ barriers/shields to reduce noise | | - | Attenuation of noise in source receptor pathway | Increase in in-plant and ambient noise levels |
| Provision of PPE like ear plugs, ear muffs | | - | Protection of sensitive receptor | Health impact on worke in high noise areas |
| | | SOLID WASTE N | IANAGEMENT | |
| Solid Wastes /process rejects Utilization | PEPL | MoEF Notification / CREP Guidelines | Reduce land requirement for disposal and pollution from disposal site | Increased land |
| Disposal of Unused /inert Solid Wastes | | _ | Environmentally safe disposal of unused wastes | - |

| Mill Rejects | | _ | Reuse within plant/ sale to other industries for reuse | _ |
|---|------|---------------|---|--|
| Domestic Solid Waste - dedicated separate facility with organic waste Composting. | PEPL | _ | Environmentally safe disposal of garbage. Disposal of inert wastes as much as possible. | Air and water pollution, spread of disease vectors |
| | | OTH | ERS | . |
| Green Belt Development | PEPL | - | Ecological improvement Attenuation of air pollutants (PM, SO2 and NOx) and noise in source receptor pathway | Reduction in aesthetics and living space Higher pollutants in the ambient air |
| Control of Fire and Explosion Hazards | | - | Safety | Increased risk of fire and explosion |
| Occupational Health | PEPL | Factories Act | Health of workers | Deterioration of health of workers |

10.4 Environmental Monitoring Plan

It is imperative that the Project Authority set up regular monitoring stations to assess the quality of the surrounding environment during construction and after the commissioning of the project. An environmental monitoring program is important as it provides useful information and helps to:

- · Verify the predictions on environmental impacts presented in this study,
- Assist in detecting the development of any unwanted environmental situation, and thus, provides opportunities for adopting appropriate control measures,
- Evaluate the performance and effectiveness of mitigation measures proposed in the EMP and suggest improvements in management plan, if required,
- Satisfy the legal and statutory obligations

The construction phase monitoring and post project monitoring plan including areas, number and location of monitoring stations, frequency of sampling and parameters to be covered is summarized in **Table 10.3** The monitoring will be the responsibility of Facility Manager.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft ELA Report - Chapter 10

The post operational monitoring program is being under the supervision of the Facility Engineer at the project site. Monitoring is being get carried out by recognized laboratories.

Table 10.3 Environmental Monitoring Plan-Construction & Operation Phase

| S. No. | Particulars | Monitoring Location | Parameters | Frequency |
|-----------|---|--|--|---|
| 1 | Stack Emission from Boiler and Gas Gen Set | Project Site | PM, SOx, NOx, CO | Quarterly or as per condition of EC |
| 2 | Work place monitoring near pickling area | Pickling Area | As per NAAQS | |
| 3 | Ambient Air Quality | Project Site and nearby two sites | PM _{2.5} , PM ₁₀ , SO ₂ , NOx and CO | Twice a year |
| 4 | Indoor Air Quality | Project Site | PM _{2.5} , PM ₁₀ , SO ₂ , NOx and CO | Twice a year |
| 5 | Ambient Noise Level | Project Site Rolling mill area Power generator area Compressor area | Noise levels | Twice a year |
| 6 | Indoor Noise Level | Project Site | Noise levels | Twice a year |
| 7 | Soil quality | Project Site | Basic Parameters | Twice a year |
| 8 | Drinking Water | Near project site in down slope area | As per IS:10500 | Quarterly |
| 9 | DG Stack Emission | Project Site | As Per Emission Standards | Quarterly |
| 10 | DG Noise Level | Project Site | As per CPCB Standards | Twice a year |
| 11 | Wastewater Quality | ETP & STP inlet and outlet | pH, TSS, TDS, BOD, COD, O&G and other parameters as per | Quarterly |

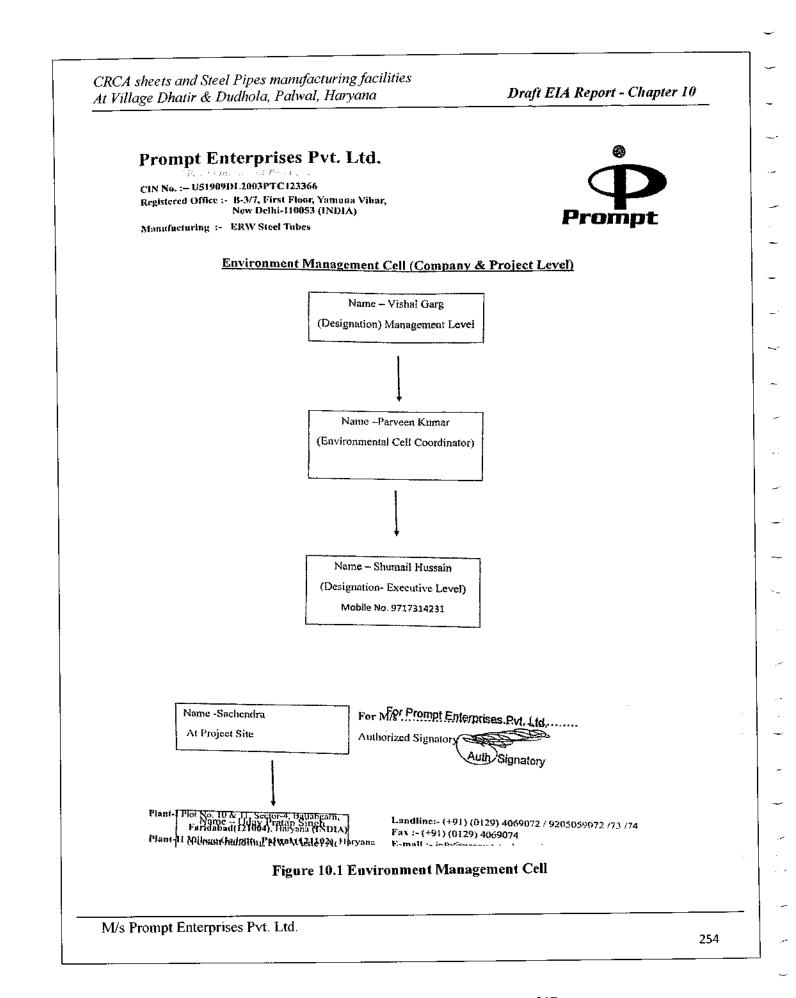
M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3491551/2024/Estt.Br

| | | ······· | | |
|-------------------|------------------------|------------------|---------------------------|------------------|
| | | e | pproved CTO | |
| | | | | |
| | | | | |
| 10.5 Environm | ent Management Ce | .11 | | |
| | | | man and hills in a file | |
| given in Figure 1 | of the Environment Man | agement Cett and | responsibilities of its v | arious members a |
| given in Figure 1 | 0.1. | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| M/s Prompt Enterp | orises Pvt. Ltd. | | | |
| | | | | 25 |



e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



| - | CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter 10 |
|----|--|---|
| <. | 10.6 Environmental Policy of the Company | |
| - | The Management of PEPL commits to operate all its units in | an environmentally friendly manner, while |
| ~ | protecting health and safety of its employees. The managem | |
| - | injury and ill-health to its employees. THE Corporate Envir | ronment policy adopted by the company is |
| | shown in the Figure 10.2. | |
| | | |
| ~ | | |
| - | | |
| | | |
| : | | |
| | | |
| - | | |
| | | |
| - | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| _ | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

M/s Prompt Enterprises Pvt. Ltd.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

| A sheets and Steel Pipes manufacturing faci illage Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter 1 |
|--|---|
| Prompt Enterprises Pvt. Ltd. | |
| The comparate of the constant CIN No. := U51909DL2003PTC123366 Registered Office := B-3/7, First Floor, Yamuna Vilan New Delhi-110053 (INDIA) | |
| Munufacturing :- ERW Steel Tubes CORPORATE ENV | Prompt |
| M/S Prompt Enterprises Pvt Ltd aims and e concerns and adopting appropriate corrective | commit to recognize the potential environmental e measures / mitigation measures to encounter the wth of community and sustainable economic |
| Our Aim | |
| | cial concerns for sustainable development of of of the energy. |
| 2. To establish an effective environmenta ongoing operational activities. | I management system to monitor, measure our |
| 3. To quantify the potential environmental in | npaet. |
| To adopt appropriate corrective actions environmental performance. | / measures for continual improvement of our |
| Our Commitments | |
| · · · · | ent, maintain management standards and systems nt standards, legislation, and other requirements |
| To integrate environmental considerations projects. | s into planning, execution, and operations of the |
| 3. To adopt best environmental practices. | |
| 4. To prevent pollution and mitigate environ | nental risks from our activities. |
| 5. Prompt enterprises pvt ltd commits to wor | k for Cleaner, Healthier and Green Environment. |
| We are committed to improve our environ i.e., reduce, reuse, recycle, recover. | umental performance by adopting "4 R Practice" |
| 7. To communicate environmental commit communities and motivate them to support it | ments to our employees, contractors, and host |
| We will truly succeed in achieving our aim valued by communities in which we work. | ns by performing our commitments and will be |
| F. THIS POPULATION RES 191 Lid | |
| Director Plant-I Plot No. 10 & II, Schord, Ballabgarh, Faridahad (121001), Hingdon (INDIA) Plant-II Village Gadpuri, Palwal (121102), Haryana Plant-III Village Dhatir, Palwal (121102), Haryana | Landline:- (+91) (0129) 4069072 / 9205059072 /73 /74 Fax :- (+91) (0129) 4069074 E-mail :- info@promptsteel.com / accounts@promptsteel.com Website:- www.promptsteel.com |
| Figure 10.2 Corporate | e Environment Policy of PEPL |
| s Prompt Enterprises Pvt. Ltd. | |

10.7 Environmental Management Plan Cost

The budget provision have been kept in the project cost towards the environmental protection, control & mitigation measures and implementation of the EMP, both during the construction and operation phase of Existing and Expansion phase of the project. The EMP cost already incurred during Construction and Operation Phase of Existing Unit is given in the **Table 10.4**. The budgetary cost estimate for the EMP for construction and operation phase of Expansion unit are given in **Table 10.5 & 10.6**, respectively.

<u>Table 10.4 EMP Cost already incurred during Construction Phase & operation phase of Existing</u> Unit

| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
|---|---|---------------------------|-----------------------------|
| 1 | Air pollution control – Air pollution control devices, Stacks, Fume Extraction System, Water Sprinkling | 50 | 2 |
| 2 | Water pollution control - ETP and STP | 45 | 10 |
| 3 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 5 | 1 |
| 4 | Green area development | 10 | 5 |
| 5 | Environmental monitoring | 0 | 2 |
| 6 | PPE to Labours | 5 | 6 |
| 7 | Fire Safety & Fire Equipments | 25 | 3 |
| Total Cost | | 140 | 29 |
| Total EMP Cost | | 140 | |
| Total Project Cost for Existing Project | | 7068 | |
| Percentage of EMP of Capital Cost | | 1.98 | |

e No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 10

Table 10.5 EMP Cost proposed during Construction Phase of Expansion Unit

| | | · | |
|--------|--|---------------------------|-----------------------------|
| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
| 1 | Air pollution control – Air pollution control devices, water Sprinkling, Wheel Washing Facility, Tarapulin Sheet for Covering of Material, Barricading | 15 | 2 |
| 2 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 2 | 0.50 |
| 3 | Green area development | 10 | 1 |
| 4 | Environmental monitoring | 0 | 0.50 |
| 5 | PPE to Labours | 5 | 1 |
| 6 | Provision of Anti-Smog Gun | 10 | 1 |
| | Cost During Construction Phase | 42 | - 6 |

Table 10.6 EMP Cost proposed during Operation Phase of Expansion Unit

| S. No. | Particulates | Capital Cost [in Lakh] | Recurring Cost [in Lakh] |
|--------|---|---------------------------|-----------------------------|
| 1 | Air pollution control – Air pollution control devices, Stacks, Fume Extraction System, Water Sprinkling | 50 | 10 |
| 2 | Water pollution control - ETP and STP | 75 | 18 |
| 3 | Solid wastes management – Dust Bins, Storage Facility of Hazardous Waste | 5 | 3 |
| 4 | Green area development | 40 | 10 |

M/s Prompt Enterprises Pvt. Ltd.

| uiuge Di | hatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter 10 | | |
|--|---|-------------------------------|----|--|
| 5 | Environmental monitoring | 0 | 2 | |
| 6 | Fire Safety & Fire Equipment | 90 | 5 | |
| 7 | Provision of First Aid Room | 10 | 2 | |
| Tot | al Cost During Operation Phase | 270 | 50 | |
| Fotal Pro Ope | oposed EMP Cost for Construction and ration Phase for Expansion Project | 312 | | |
| Total Project Cost for Expansion Project | | 19132 | | |
| Pe | rcentage of EMP of Capital Cost | 1.630 | | |

The total Capital cost allocated for EMP budget is 452 Lakhs or 4.52 Crores which is approx. 1.72 % of the total project cost for Project *i.e.*, 262 Crores.

M/s Prompt Enterprises Pvt. Ltd.

-

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 11

CHAPTER- 11 SUMMARY AND CONCLUSION

11.1 Introduction

Prompt Enterprises Pvt Ltd was established in the year 2008. It manufactures structural steel components like ERW steel pipes and cold rolled close annealed (CRCA) sheets. At present, it has manufacturing plant of CRCA sheets and ERW Steel Pipes in Dhatir village which is commenced from 2021. It has the capacity of 600 MT/Day CRCA sheets and 95 MT/Day ERW Steel Pipe. Now the existing plant at Dhatir village is proposed to expand for higher production capacity in the Dudhola Village. After expansion, total proposed production capacity will be 2100 MT/Day CRCA Sheets and 95 MT/Day ERW Steel Pipe.

Earlier, the cold rolling activities were not covered under the purview of the EIA Notification 2006 and its subsequent amendments, therefore Environmental Clearance was not applicable to this project. The existing project has obtained Consent to Operate from Haryana Pollution Control Board vide a letter no. HSPCB/Consent/: 313102621PALCTO13467003 dated 02/08/2021 valid up to 30/09/2023 for the capacity of CRCA sheets @600 MT/Day and ERW Steel Pipe @95 MT/Day. The copy of CTO is attached as an *Annexure II*. The existing project has obtained a license for the Installation of Petroleum class B from Petroleum & Explosives Safety Organization (PESO) vide License No. P/NC/HN/15/1870 (P394505) – which is valid up to 31/12/2023. The Copy of PESO License is attached as *Annexure III*.

As per directives of Honorable National Green Tribunal NGT order dated 12th February, 2020 and MoEF&CC Gazette notification vide a S.O. no. 3250(E) dated 20th July, 2022, the standalone cold rolling stainless steel manufacturing industries require prior Environment Clearance under the project/activity classified as 3(a) Metallurgical Industries irrespective of their production capacity and are exempted from Public hearing provided the application for the grant of TOR shall be made within a period of 1 (one) year from the date of the notification vide a S.O. no. 3250(E) dated 20th July, 2022.. As per EIA Notification 14th September, 2006 and its amendment thereof, the project listed in category 3(a) and falls under category "B" i.e., all other non-toxic secondary metallurgical processing industries and under "B1" as the total production is 8,01,175 tons per annum which is greater than 5000 tons per annum.

M/s Prompt Enterprises Pvt. Ltd.

Draft ELA Report - Chapter 11

For Environment Clearance an application submitted online for the grant of TOR on 04 April 2023 to SEIAA, Haryana. Auto TOR is issued on 07 April 2023 from SEIAA, Haryana. TOR letter issued by the SEIAA, Haryana as received vide F.no. SEIAA/HR/2023/329 dated 07 April 2023. In this connection, this EIA report has been prepared.

11.2 Project Site & Project Features

The project is located at the Village Dhatir & Dudhola, District Palwal, Haryana. Salient Features of the project is shown in the Table 11.1.

| S. No. | Particulars | Existing Unit | Proposed Expansion Unit | Total |
|-----------|----------------------------|---|---|---|
| 1 | Production capacity | CRCA sheets: 600 MT/Day | CRCA sheets: 1500 MT/Day | CRCA Sheets: 2100 MT/Day |
| | | ERW Steel Pipe: 95 MT/Day | ERW Steel Pipe: Nil | ERW Steel Pipe: 95 MT/Day |
| 2 | Area (sqm) | 42443 sqm | 60879.288 sqm | 103322.288 sqm |
| 3 | No of Permanent Workers | 100 | 150 | 250 |
| 4 | No of Temporary Workers | 300 | 350 | 650 |
| 5 | Raw material | 700 MT/Day HRCA Sheets | 1700 MT/Day HRCA Sheets | 2400 MT/Day HRCA Sheets |
| 6 | Total Water Demand | 4 KLD for (Domestic usage) 65 KLD | 23.675 KLD for (Domestic usage) 398 KLD | 27.675 says 28 KLD (Domestic usage) 463 KLD |
| | | (Plant operation) | (Plant operation) | (Plant operation) |
| 7 | Wastewater Generated | 3 KLD (Domestic Effluent) | 21 KLD (Domestic Effluent) | 24.03 KLD say 24 KLD (Domestic Effluent) |
| | | 52 KLD (Industrial Effluent) | 318 KLD (Industrial Effluent) | 370 KLD (Industrial Effluent) |

Table 11.1 Salient Features of the project

M/s Prompt Enterprises Pvt. Ltd.

| At V | A sheets and Steel Pipes illage Dhatir & Dudhola, | Palwal, Haryana | Draft ELA | Report - Chapter 11 |
|------|---|--|---------------|---------------------|
| 8 | ETP capacity (>20 % higher from total waste water generated) | 220 KLD | 230 KLD | 450 KLD |
| 9 | STP capacity (>25 % higher from total waste water generated) | Total wastewater generated= 24 KLD STP capacity= 30 KLD | | 30 KLD |
| 10 | Power Demand | 4.2 MW | 7.5 MW | 11.7 MW |
| 11 | RWH pits | 3 RWH Storage Tanks | | 3 |
| 12 | Parking | 318 | 318 ECS | |
| 13 | PNG Gas required | 450 MMBTu /Day | 550 MMBTu/Day | 1000 MMBTu/Day |

Eco-sensitive Areas around the project site: No national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. are present within 15 km area of the project site.

Industries: Prompt Enterprises Pvt Ltd (Godpuri) is located approx. 5.52 km in the NNE direction. Apart from that, J D Sons Steels Pvt Ltd, Shree Balajitech india, GNU Steel Casting Pvt. Ltd, GNU Steel Casting Pvt. Ltd, Maestro International, Ferron Tubes Pvt. Ltd, S G INDUSTRIES, etc. are industries located nearby.

11.3 Product and Capacities

In the Existing Plant, the Cold Rolling Division (CRD) produces Cold Rolled Strips (CRCA), and Steel Pipes. The Hot Roll Coils purchased from Tata Steel Limited is used as a major raw material for this plant. The production capacity of project is mentioned below in the **Table 11.2**.

| Table 11.2 | Production capacity of proj | ect |
|-------------------|-----------------------------|-----|
| | | |

| | Product | Qu | antity | Total Production | |
|--------|-------------|-------------------|-------------------|------------------|-------------------|
| S. No. | | Existing Plant | Expansion Unit | capacity | Unit |
| | CRCA Sheets | 600 | 1500 | 2100 | Metric Tonnes/Day |
| 2 | Steel Pipes | 95 | - | 95 | Metric Tonnes/Day |

Size: This is a medium scale unit with approximate project cost of INR 262 Crore. At present this

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 11

plant engages a total of approx. 400 staffs on regular and contractual basis which will be upraised to 900 upon expansion of the project.

Land Area: The plant is operating in an area of 103322.288 sqm [42443 sqm (Existing Plant) + 60879.288 sqm (Proposed Expansion Unit)] land.

11.4 Raw Materials

Raw material required for the plant is Hot rolled low carbon steel coils. Hot Rolled Coils of Stainless Steel are procured from Tata Steel Ltd required quantity of raw material is mentioned in the **Table 11.3.**

| S. No. | Product | Quantity (Existing Plant) | Quantity (Proposed Expansion Unit) | Total Quantity |
|--------|--|------------------------------|--|----------------|
| 1 | Hot Rolled Coils of Stainless Steel | 700 MT/Day | 1700 MT/Day | 2400 MT/Day |

Table 11.3 Estimated Quantity of Raw material required

Other required raw materials are different acids, fuels, ammonia, rolling oil, packaging wood etc. These materials are procured from domestic market. Approximate annual handling of raw materials is as follows. All raw materials are brought by road using multi axel trucks.

11.5 Environmental Setting of the Study Area

The baseline environmental status was assessed based on primary and secondary data collected either through in-site field observation or obtained from agencies such as Irrigation Department, India Meteorological Department (IMD), Central Ground Water Board, Geological Survey of India, State Ground Water Department, State Pollution Control Board, Census of India and Local Forest Department, Non-Governmental Agencies. The baseline status established from analysis of secondary and primary data and predicted impacts are discussed below. The mitigation measures are also provided along with.

11.5.1 Land Environment

Land use

Since the plant is in operation since 2021, the land use and landform of the plant is Industrial. The land is in possession of Prompt Enterprises Pvt Ltd.

Soil Type:

Major soil types in the district are Sandy clay & loamy. The soil type at the project site is Sandy clay.

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

The land environment is described by land use / land cover of the study area within 10 km radius.

Slope Analysis:

The project area possesses slightly undulating terrain. The Contour plan of the project site and Contour Map of 10 Km of project are attached as **Ref. Annexure VIII(a) and VIII(b)** respectively. The highest contour level at project site is 197 m AMSL & the lowest contour level at project site is 191 m AMSL. Difference between the highest & lowest level is 6 m.

Erosion/ Subsidence

There is no vulnerability of subsidence as the terrain is plain land and adequate green belt is provided to prevent any chances of erosion/subsidence during rains.

Seismicity:

The area falls under the Zone IV according to the Indian Standard Seismic Zoning Map. The project is earthquake resistant taking into account the latest provisions of Indian Standards Codes. Suitable design was made to mitigate the seismic impacts.

Soil Quality

Due to arid climate, the soils are Arid Brown (Solonised) and Sierozem. Soils of Palwal district are classified as tropical and brown soils, existing in major parts of the district: most of the soils are of medium texture. Loamy sand is the average textured in all blocks. Soils have moderate salinity hazards, high salinity and moderate alkalinity hazard in the major part of the area. In order to get the characteristics of the soil in the project area, soil analysis was carried out during study. The physico-chemical characteristics of the soil of the project site, as obtained from the analysis of the soil sample, are presented in Chapter-3.

11.5.2 Water Environment

11.5.2.1 Water demand

The water requirement during construction phase was from the private water tank.

Water demand for staff: The source of water is bore well. Total fresh water requirement for workers is 18.23 KLD (In the Existing Unit =4 KLD + Expansion Unit =14.225 KLD).

Water demand in the plant operation: Total water demand for the both unit (Existing + Expansion Unit) operation is 463 KLD. Fresh water requirement is 149 KLD & treated water requirement is 314 KLD for the both unit (Existing + Expansion Unit) operation. Ground water is the source of fresh water supply.

11.5.2.2 Sewage Quantity, Treatment, Reuse & Disposal

Effluent Generation and Management: As far as water is concerned Waste water, cooling tower blow down water, effluent water generated from the different units of the plant is taken to effluent

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 11

treatment plants followed by Reverse Osmosis plant.

Total Effluent generated from the Project is 370 KLD. The effluent generated from the Project will be treated in the 450 KLD ETP.

Table 11.4 Summary of effluent generation by plant operation

| S. No. | Particulars | Existing Unit | Expansion Unit | Total |
|--------|--|---------------|----------------|---------|
| 1 | Total water requirement for Project operation | 65 KLD | 398 KLD | 463 KLD |
| 2 | Effluent generated from the Project | 52 KLD | 318 KLD | 370 KLD |
| 3 | ETP capacity | 220 KLD | 230 KLD | 450 KLD |

Waste Water Generation by Staff and Management: Wastewater generation by staff in the plant will be 24 KLD. Total wastewater generated from Plant operation (recovered treated effluent from ETP) and by the staff is 170 KLD which will be treated in the 220 KLD capacity of STP.

| Table 11.5 Summary of | f wastewater generation by Staff |
|-----------------------|----------------------------------|
| | |

| S. No. | Particulars | In KLD |
|--------|--|--------|
| 1 | Total Water Requirement | 38 |
| 2 | Wastewater Generated by staff (80% of Fresh water + 100% treated water) | 24 |
| 5 | STP Capacity (25% higher than the wastewater generated) | 30 |

11.5.2.3 Storm water Drainage and Rainwater Harvesting

It has been calculated to provide 3 rainwater harvesting storage tanks each of 507 m3 capacity at selected location, which catches the maximum run-off from the area.

11.5.3 Air Environment

During construction phase, the major concern of air pollutant are $PM_{2.5}$, PM_{10} as impacts of other emissions such as SO₂, NO₂, and CO was not being significant because the nature of sources was such that the emissions were distributed spatially as well as temporal.

The dust emissions from construction activities were require comprehensive mitigation measures and best construction practices.

Adequate stack heights were provided to the stacks of Boiler and Gas Gen set as per norm to provide

M/s Prompt Enterprises Pvt. Ltd.

for sufficient dispersion of pollutants. Water sprinklers were used to suppress dust during construction. During the operation phase, green belt and green area development is to restrict and absorb air pollutants.

11.5.4 Noise Environment

Noise levels were observed at seven locations within the study area. Noise monitoring has been done and results of noise monitoring are within the permissible limits of ambient noise quality standards by CPCB for industrial, residential commercial and silent zone for daytime and night time respectively.

The noise emitted from construction equipments during construction period is high and required occupational preventive measures and temporary noise barriers for noise attenuation, restricted loud noise activities to daytime, provision of PPEs and acoustic enclosures for Gas Gen set. In the operation phase, noise pollution has been checked through acoustic enclosures of Gas Gen sets and green belt plantation.

11.5.5 Biological Environment

There is no protected area, reserved forest or sanctuary in the study area. There was also no tree cutting involved in the project. However, Total green area measuring 10332.2 m² *i.e.*, 10 % of the open area had been provided within project site. Additionally, there is being plantations, greenery. The proposed landscaping includes native species that reduce pollution and improve aesthetics condition.

11.5.6 Socio-economic Environment

The study area involves approx. 113 villages falls in Buffer zone. The study area is the home of agricultural land and many industries exist in developing phase.

Moreover, the project add to the infrastructure development of the surrounding area and job opportunity of the local worker during construction and operation of Project.

11.5.7 Parking and Traffic Management

In the project site there will be adequate provision for parking of cars, trucks and other automobiles. For parking of cars and other vehicles different locations have been earmarked at project site. The parking plan has been so devised that at no point of time there will be traffic bottleneck at the threshold

M/s Prompt Enterprises Pvt. Ltd.

Draft EIA Report - Chapter 11

of a parking lot. Total Parking required as per Haryana Building bye laws, 2017 is 213 ECS and Parking provided is 318 ECS.

11.5.8 Power Requirement, Source and Back-up Arrangement

Power requirement of 11.7 MW (7.5 MW in existing Unit + 4.2 MW in Proposed Expansion Unit) is met from the Dakshin Haryana Bijli Vitran Nigam. However, as a power backup, three Gas Gen sets having capacity of 2500 KW are currently in use within the plant.

11.5.9 Energy Conservation

Efforts are being taken for energy conservation using passive solar architecture wherever it is possible.

Energy Efficient Features

The energy efficiency features of the project are:

- LED based lighting fixtures in the common areas
- Energy efficient motors and pumps
- · Appropriate design to reduce heat gain and loss

11.5.10 Solid waste Management

The total solid waste to be generated from the existing unit is 103 kg/Day and for proposed unit 128.75 kg/Day and for landscape 0.51 kg/Day therefore the total waste including existing and expansion unit will be 232.26 kg/Day. Waste will be collected in Solid Waste Collection area, segregated, Municipal Waste will be disposed through authorized waste collector and recyclable waste will be handed over to the authorized recyclers. Waste Management during operation phase: Municipal Solid Waste Adequate number of collection bins separately for biodegradable and non-biodegradable waste shall be provided as per the Municipal Solid Waste (Management and Handling) Rule, 2016. Wastes from such bins shall be collected on daily basis handed over to authorized agency for disposal. The generated non-hazardous mill scale waste will be recycle in-house. Neutralized cake from ETP (non-hazardous) and used oil waste generated from in the plant operation will be handover to the authorized recyclers.

11.5.11 Fire Fighting System

Adequate fire protection facilities are installed including fire detectors, fire alarm and firefighting system to guard the building against fires. All fire protection facilities were designed as per the latest National Building Code. The approvals in this regard are being obtained prior to installation of the fire protection equipments.

M/s Prompt Enterprises Pvt. Ltd.

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

- Fire extinguishers
- Hose reel and Wet riser
- Yard hydrants
- · Manually operated electric fire alarm system
- Automatic detection and alarm system
- Underground and terrace level fire water storage tanks

11.5.12 Environmental Management Plan

Adequate environmental management measures were incorporated during the entire planning, construction and operating stages of the project to minimize any adverse environmental impact and assure sustainable development of the area. Table 11.6 shows the proposed environmental pollution mitigation measures.

| Area | Mitigation Measures |
|---------------|--|
| | Construction Stage: |
| Water Quality | • Toilet and drinking water facilities for workers are provided at the project site to avoid unhygienic condition. |
| Air Quality | • Dust suppression measures was undertaken such as regular sprinkling of water around vulnerable areas of the construction site by suitable method to control fugitive dust during earthwork and construction materia handling/ over hauling. |
| | • Properly tuned machinery, motors and pumps & vehicles in good workin condition with low noise & emission is being used and engines were turne off when not in use. |
| Noise Level | Protective gears of such as ear mufflers etc. were provided to constructio personnel exposed to high noise levels. |
| Solid Waste | • Waste construction materials were recycled and excess construction debri was being disposed at designated places in tune with the local norms. |
| Landscape | • Appropriate landscape including plantation of evergreen and ornamenta flowering trees, palms, shrubs and ground covers at open spaces within th complex was done, which would serve the dual purpose of controllin fugitive dust and improving the aesthetics of the area. |
| Safety | Adequate safety measures complying with the occupational safety manual were adopted to prevent accidents/hazards to the construction workers. Operation Stage: |
| Water Quality | Sewage will be treated in STP of total capacity 30 KLD (Existing Expansion) Entire treated sewage will be reused for cooling, toilet flushing and horticulture. Wastewater generated from the operation of Plant will be treated in the 450 KLD capacity ETP. Recovered treated water from the ETP will recycle in the plant operation. |

Table 11.6 Proposed Environmental Pollution Mitigation Measures

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 11

| | • Regular monitoring of STP & ETP effluent quality will be carried out as per norms. |
|--------------------------|--|
| Air Quality | • Adequate stack height for Gas Gen Set and Boiler Stacks are provided as per norms. |
| | • Regular monitoring of emissions from Boiler and Gas Gen Set and ambient air quality is carried out as per norms. |
| Noise Level | • Gas Gen Set room is treated acoustically as per norms to control the noise from Gas Gen sets. |
| | • Machineries, Motors & Pumps, Compressors, Gas Gen sets etc. will be properly maintained for fuel efficiency and noise control. |
| | • Personal protective equipment is provided to the maintenance staff working in high noise areas. |
| Solid Waste | Solid wastes are segregated into organic and inorganic components. Both biodegradable and non-biodegradable wastes are sold to authorized vendors for recycling of non-biodegradable wastes and disposal of biodegradable waste |
| | • Dewatered / dried sludge from STP is used as manure in horticulture. |
| Hazardous Wastes | • Hazardous waste and used oil generated during plant operation is being sold to authorized recyclers. |
| Rain Water Harvesting | • 3rainwater harvesting storage tanks (Existing + Expansion) will be provided by means of recharge into the groundwater. |
| landscape | • Proper maintenance of landscape round the year including replacement of the decayed plants. |
| Safety | • Adequate safety measures complying with the occupational safety manuals to prevent accidents/hazards to the maintenance workers. |

11.6 Conclusion

Based on the environmental assessment, the associated potential adverse environmental impacts can be mitigated to an acceptable level by adequate implementation of the measures as stated in the EIA and the EMP.

Hence, it may be concluded through the EIA study that the project have very negligible environmental impact and significant positive economic and social impact on the local community.

M/s Prompt Enterprises Pvt. Ltd.

....

CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana

Draft EIA Report - Chapter 12

CHAPTER 12

DISCLOSURE OF CONSULTANT

Part A: Declaration by ACO and Experts contributing to the EIA Report

I, hereby, certify that I was a part of the EIA team in the following capacity that developed the above EIA.

EIA coordinator (EC): Kailash Nath Sharma

Name: Kailash Nath Sharma

Signature and Date:

Period of involvement: February, 2023 - till date

Contact information: +91-9953692693; himanshu3_goel@yahoo.com. info@oceaoenviro.com

Functional area experts:

Table 12.1 List of functional area experts

| S. No. | Functional areas | Name of the expert/s | Team Member Involved | Involvement (period and task **) | Signature and date |
|-----------|---------------------|--------------------------------|------------------------------|--|----------------------|
| 1 | AP* | Dr. Priya Chaudhary | Mr. Vipul Aggarwal | February, 2023- till date | Presson |
| 2 | WP* | Mr. Himanshu Goel | Dr. Nidhi Sahu | February, 2023- till date | Mu-lig- |
| 3 | SHW* | Mr. Sanjeev Kumar Sharma | Mr. Krishan Chandra Panda | February, 2023- till date | - and the Constitute |
| 4 | SE* | Mr. Arun Tyagi | Mr. Himanshu Goel | February, 2023- till date | Aumtyng: |
| 5 | EB* | Dr Priya Chaudhary | Ms. Anjali Tomar | February, 2023- till date | - Pourse - |

M/s Prompt Enterprises Pvt. Ltd.

| 6 | HG* | Mr. Mohan Shri Ram Bhagwat | Mohd. Tauseef Warsi | February, 2023- till date | hiblegnet |
|----|------|----------------------------------|------------------------|------------------------------|------------------------------|
| 7 | AQ* | Mr. Krishan Chandra Panda | Mr. Vipul Aggarwal | February, 2023- till date | A ret - |
| 8 | NV* | Dr Priya Chaudhary | Mr. Pradeep Lodhi | February, 2023- till date | |
| 9 | LU* | Mr. Arun Tyagi | Mohd. Tauseef Warsi | February, 2023- till date | Auntrain. |
| 10 | RH* | Mr. Kailash Nath Sharma | Mr. Harshit Chugh | February, 2023- till date | |
| 11 | SC* | Mr. Sanjeev Kumar Sharma | Dr Priya Chaudhary | February, 2023- till date | And the start for the second |
| 12 | Geo* | Mr. Mohan Shriram Bhagwat | Mohd. Tauseef Warsi | February, 2023- till date | Mbhagnat |

*One TM against each FAE may be shown

**Please attach additional sheet if required

Date and Sign of EIA Co-ordinator:

Name: Kailash Nath Sharma

Designation: Functional Area Expert & Project Coordinator

Signature:

_

e:

Date and Sign of Head of ACO / authorized person:

Name: Himanshu Goel

Designation: Director

Signature:

M/s Prompt Enterprises Pvt. Ltd.

.....

| CRCA sheets and Steel Pipes manufacturing facilities At Village Dhatir & Dudhola, Palwal, Haryana | Draft EIA Report - Chapter 12 |
|--|---------------------------------------|
| Name of the EIA consultant organization: M/s OCEAO-EN Ltd. NABET Certificate No. & Issue Date: NABET/EIA/2124/ F | |
| NABE I Certificate 140. & Issue Date. 141021/24.242.4 | <u> </u> |
| | |
| ***** | ** |
| | |
| | |
| | |
| | |
| | · · · · · · · · · · · · · · · · · · · |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| M/s Prompt Enterprises Pvt. Ltd. | |

Annexure I TOR Letter

File No.SEIAA/HR/2023/329

Goverment of India State Level Environment Impact Assessment Authority Haryana

Τo,

M/s PROMPT ENTERPRISES PRIVATE LIMITED PLOT NO. 10-11, SECTOR-4, BALLABGARH, FARIDABAD, Faridabad-121004 Haryana

Tel.No.-; Email:promptenterprises.ec@gmail.com

Sub. Terms of Reference to the Manufacturing of CRCA sheets and Steel Pipes by Prompt Enterprises PVT Ltd at Village Dhatir & Dudhola, Palwal, PLOT NO. 10-11, SECTOR-4, BALLABGARH, FARIDABAD

Dear Sir/Madam,

This has reference to the proposal submitted in the Ministry of Environment, Forest and Climate Change to prescribe the Terms of Reference (TOR) for undertaking detailed EIA study for the purpose of obtaining Environmental Clearance in accordance with the provisions of the EIA Notification, 2006. For this purpose, the proponent had submitted online information in the prescribed format (Form-1) along with a Pre-feasibility Report. The details of the proposal are given below:

| 1. Proposal No.: | SIA/HR/IND1/424752/2023 |
|----------------------------------|--|
| 2. Name of the Proposal: | Manufacturing of CRCA sheets and Steel Pipes by Prompt Enterprises PVT Ltd at Village Dhatir & Dudhola, Palwal |
| 3. Category of the Proposal: | Industrial Projects - 1 |
| 4. Project/Activity applied for: | 3(a) Metallurgical industries (ferrous & non ferrous) |
| 5. Date of submission for TOR: | 04 Apr 2023 |
| Date : 07-04-2023 | |

Sh. Pardeep Kumar, IAS (Member Secretary)

Office : Bays No. 55-58, Ist Floor, Prayatan Bhawan, Sector-2, Panchkula, Haryana Phone No : Mobile : 9466824990 Email id : seiaa-21.env@hry.gov.in

Note : This is auto tor granted letter.

In this regard, under the provisions of the EIA Notification 2006 as amended, the Standard TOR for the purpose of preparing environment impact assessment report and environment management plan for obtaining prior environment clearance is prescribed with public consultation as follows:

ACTIVITY 3 (a)- METALLURGICAL INDUSTRY (Ferrous and Non-ferrous)

STANDARD TERMS OF REFERENCE FOR CONDUCTING ENVIRONMENT IMPACT ASSESSMENT STUDY FOR METALLURGICAL INDUSTRY (Ferrous and Non-ferrous) AND INFORMATION TO BE INCLUDED IN EIA/EMP REPORT

GENERAL CONDITIONS-

- 1. Introduction
- i. Background about the project
- ii. Need of the project
- iii. Purpose of the EIA study
- iv. Scope of the EIA study

2. Project description

A. Site Details

- i. Location of the project site covering village, Taluka/Tehsil, District and State.
- ii. Site accessibility
- iii. Adigital toposheet in pdf or shape file compatible to google earth of the study area of radius of 10km and site location preferably on 1:50,000 scale. (including all eco-sensitive areas and environmentally sensitive places).
- iv. Latest High-resolution satellite image data having 1m-5m spatial resolution like quickbird, Ikonos, IRS P-6 pan sharpened etc., along with delineation of plant boundary co-ordinates. Area must include at least 100m all around the project location.
- v. Environment settings of the site and its surrounding along with map.
- vi. A list of major industries with name, products and distance from plant site within study area (10km radius) and the location of the industries shall be depicted in the study area map.
- vii. In case if the project site is in vicinity of the water body, 50 meters from the edge of the water body towards the site shall be treated as no development/construction zone. If it's near the wetland, Guidelines for implementing Wetlands (Conservation and Management) Rules, 2017 may be followed.
- viii. In case if the project site is in vicinity of the river, the industry shall not be located within the river flood plain corresponding to one in 25 years flood, as certified by concerned District Magistrate/Executive Engineer from State Water Resources Department (or) any other officer authorized by the State Government for this purpose as per the provisions contained in the MoEF&CC Office Memorandum dated 14/02/2022.
- ix. Type of land, land use of the project site.
- x. Status of acquisition of land. If acquisition is not complete, stage of the acquisition process as per the MoEF&CC O.M. dated 7/10/2014 shall be furnished.
- xi. Engineering layout of the area with dimensions depicting existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc. If located within an Industrial area/Estate/Complex, layout of Industrial Area indicating location of unit within the Industrial area/Estate.

B. Forest and wildlife related issues (if applicable):

- i. Status of Forest Clearance for the use of forest land shall be submitted.
- ii. Copy of application submitted for clearance under the Wildlife (Protection) Act, 1972, to the Standing Committee of the National Board for Wildlife if the project site located within notified Eco-Sensitive Zone, 10km radius of national park/sanctuary wherein final ESZ notification is not in place as per MoEF&CC Office Memorandum dated 8/8/2019.
- iii. The projects to be located within 10 km of the National Parks, Sanctuaries, Biosphere Reserves, Migratory Corridors of Wild Animals, Eco-sensitive Zone and Eco-sensitive areas, the project proponent shall submit the map duly authenticated by Divisional Forest Officer showing the distance between the project site and the said areas.
- iv. Wildlife Conservation Plan duly authenticated by the Competent Authorityof the State Government for conservation of Schedule I fauna, if any exists in the study area.

C. Salient features of the project

- Products with capacities in Tons per Annum for the proposed project.
- ii. If expansion project, status of implementation of existing project, details of existing/proposed products with production capacities in Tons per Annum.
- iii. Site preparatory activities.

i.

- iv. List of raw materials required and their source along with mode of transportation.
- v. Other than raw materials, other chemicals and materials required with quantities and storage capacities.
- vi. Manufacturing process details along with process flow diagram of proposed units.
- vii. Consolidated materials and energy balance for the project.
- viii. Total requirement of surface/ ground water and powerwith their respective sources, status of approval.
- ix. Water balance diagram
- x. Details of Emission, effluents, hazardous waste generation and mode of disposal during construction as well as operation phase.
- xi. Man-power requirement.
- xii. Cost of project and scheduled time of completion.
- xiii. Brief on present status of compliance (Expansion/modernization proposals)
- a. Cumulative Environment Impact Assessment for the existing as well as the proposed expansion/modernization shall be carried out.
- b. In case of ground water drawl for the existing unit, action plan for phasing out of ground water abstraction in next three years except for domestic purposes and shall switch over to 100 % use of surface water from nearby source.
- c. Copy of <u>all</u> the Environment Clearance(s) including Amendments thereto obtained for the project from MoEF&CC/SEIAA shall be attached as an Annexure. A certified copy of the latest Monitoring Report of the Regional Office of the Ministry of Environment and Forests as per circular dated 30th May, 2012 on the status of compliance of conditions stipulated in <u>all</u> the existing environment clearances including amendments shall be provided.
- d. In case the existing project has not obtained EnvironmentClearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the Regional Office of the SPCB shall be submitted.

Page 2 of 10

3. Description of the Environment

i. Study period

ii. Approach and methodology for data collection as furnished below.

| | Attributes | Samp | | Remarks |
|-----|--|--|--|--|
| | | Network | Frequency | |
| Α. | Air Environment | • | 1 | 4 · · · · |
| Mi | cro-Meteorological Wind speed (Hourly) Wind direction Dry bulb temperature Wet bulb temperature Relative humidity Rainfall Solar radiation Cloud cover | Minimum 1 site in the project impact area | l hourly continuous | IS 5182 Part 1-20 Site specific primary data is essential Secondary data from IMD, New Delhi CPCB guidelines to be considered. |
| | Environmental | | : | |
| Pol | Lapse Rate | | | Sameling on you CDCD |
| | PM _{2.5} | At least 8-12 locations | As per National | Sampling as per CPCB guidelines Collection of AAQ data |
| | PM ₁₀ SO2 NOx CO HC Other parameters relevant to the project and topography of the area | | Ambient Air Quality Standards, CPCB Notification. | (except in monsoon season) Locations of various stations for different parameters should be related to the characteristic properties of the parameters. The monitoring stations shall be based on the NAAQM standards as per GSR 826(E) dated 16/11/2009 and take into account the predominant wind direction, population zone and sensitive receptors including reserved forests, Raw data of all AAQ measurement for 12 weeks of all stations as a sensitive receptor of the senserved forest of the senserved for the sense |

Page 3 of 10

1

بر

| Attributes | Sampl | ling | Remarks | |
|--|---|---|---|--|
| | Network | Frequency | | |
| | | | per frequency given in the NAAQM Notification of 16/11/2009 along with min., max., average and 98% values for each of the AAQ parameters from data of all AAQ stations should be provided as an annexure | |
| | | | to the EIA Report. | |
| B. Noise | At least 012 | | | |
| Hourly equivalent noise levels | At least 8-12 locations | As per CPCB norms | | |
| C. Water | 10044(0115 | | | |
| | Samples for water | quality should b | e collected and analyzed as | |
| quality | per: | | | |
| pH, temp, turbidity, magnesium hardness, total alkalinity, chloride, sulphate, nitrate, fluoride, sodium, potassium, salinity Total nitrogen, total phosphorus, DO, BOD, COD, Phenol Heavy metals Total coliforms, faecal coliforms Phyto plankton Zoo plankton | Industrial effl Standard me wastewater ar Association. | uents ethods for ex- nalysis published | for sampling and testing of amination of water and by American Public Health | |
| For River Bodies Total Carbon | Surface water | Yield of wa during critic | ter sources to be measured al season | |
| • pH | quality of | Standard me | thodology for collection of | |
| Dissolved Oxygen | the nearest | surface wate | r (BIS standards) | |
| Biological Oxygen | River (60m upstream | | | |
| Demand Free NH4 | and | | | |
| Boron | downstream | | | |
| Sodium Absorption |) and other | | | |
| Ratio | surface | | | |
| Electrical | water | | <u> </u> | |

Page 4 of 10

.

| Attributes | Samp | ling | Remarks |
|--|--------------------|----------------------------------|---|
| | Network | Frequency | |
| Conductivity | bodies | | · · · · |
| For Ground Water | minimum of | 8 locations (current records | ata should be collected at from existing wells /tube s) from the study area and |
| D. Traffic Study | | · • · | |
| Type of vehicles | | | |
| • Frequency of | | | |
| vehicles for | | | |
| transportation of | | | |
| materials | | | |
| Additional traffic | | | |
| due to proposed | | | |
| project | | | |
| Parking arrangement | | | |
| E. Land Environment | r | | |
| Soil | Soil samples be co | ollected as per Bl | S specifications |
| Particle size | | | |
| distribution | | | |
| Texture | | | |
| • pH | | | |
| Electrical | | | |
| conductivity | | | |
| • Cation exchange | | | |
| capacity | | | |
| • Alkali metals | | | |
| Sodium Absorption Datio (SAD) | | | |
| Ratio (SAR) | | | |
| Permeability Watar holding | | | |
| Water holding capacity | | | |
| • Porosity | | | |
| Land use/Landscape | | | |
| Location code | | | |
| Total project area | | | |
| • Topography | | | |
| Drainage (natural) | | | |
| • Cultivated, forest, | | | |
| plantations, water | | | |
| bodies, roads and | | | |
| settlements | | | _ |
| E. Biological Environme | ent | - | |

Page 5 of 10

٠

| | Attributes | Samp | ling | Remarks |
|---|---|---|--|--|
| | | Network | Frequency | |
| A E p F D T R S a S a ref (0 Ferref I I I I I I I I I I I I I I I I I I I | tic rimary productivity quatic weeds numeration of hyto plankton, zoo lankton and benthos isheries Diversity indices rophic levels are and endangered pecies farine Parks/ anctuaries/ closed reas /coastal egulation zone CRZ) estrial Vegetation-species st, economic mportance, forest roduce, medicinal alue mportance value ndex (IVI) of trees auna avi fauna care and endangered pecies anctuaries / Jational park / Biosphere reserve Aigratory routes | Detailed desc aquatic) exist special refere Indicator sy environment included to would result Samples to discharge po also from dug For forest stu while selectin Secondary d | cription of flora ting in the study nee to rare, ender becies which degradation si clearly state wh in to any adverse collect from ups int, nearby tribu gwells close to ac idies, direction of ng forests. | ether the proposed project effect on any species. stream and downstream of utaries at downstream, and |
| F. so | cio-economic | | | |
| s I E b H M | Demographic tructure infrastructure esource base conomic resource base lealth status: Morbidity pattern Cultural and esthetic attributes | Primary data Secondary of books, topo | random sampling collection throug lata from censu | gh questionnaire us records, statistical hard ecords and relevant official |

Page 6 of 10

| Attributes | Sam | Remarks | |
|------------|---------|-----------|--|
| | Network | Frequency | |
| Education | | l imut I | |

- iii. Interpretation of each environment attribute shall be enumerated and summarized as given below:
- Ambient air quality
- Ambient Noise quality
- Surface water quality
- Ground water quality
- Soil quality
- Biological Environment
- Land use
- Socio-economic environment
- 4. Anticipated Environment Impacts and mitigation measures (In case of expansion, cumulative impact assessment shall be carried out)
- i. Identification of potential impacts in the form of a matrix for the construction and operation phase for all the environment components

| Activity | Environment | Ecological | Socio-economic |
|--------------------|-------------|------------|----------------|
| Construction phase | | | |
| Operation phase | | | |

- ii. Impact on ambient air quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- Details of stack emissions from the existing as well as proposed activity.
- Assessment of ground level concentration of pollutants from the stack emission based on AQIP Modelling The air quality contours shall be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any along with wind rose map for respective period
- Impact on ground level concentration, under normal, abnormal and emergency conditions. Measures to handle emergency situations in the event of uncontrolled release of emissions.
- iii. Impact on ambient noise quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- iv. Impact on traffic (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- v. Impact on soil quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)

Page 7 of 10

- a. Construction phase
- b. Operation phase
- vi. Impact on land use (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- vii. Impact on surface water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- viii. Impact on ground water resource and quality (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- ix. Impact on terrestrial and aquatic habitat (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- x. Impact on socio-economic environment (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase
- xi. Impact on occupational health and safety (Sources; Embedded control measures; Assessment; Mitigation measures; Residual impact)
- a. Construction phase
- b. Operation phase

5. Analysis of Alternatives (Technology & Site)

- i. No project scenario
- ii. Site alternative
- iii. Technical and social concerns
- iv. Conclusion

6. Environmental Monitoring Program

- i. Details of the Environment Management Cell
- ii. Performance monitoring schedule for all pollution control devices shall be furnished.
- iii. Corporate Environment Policy
- a. Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
- b. Does the Environment Policy prescribe for standard operating process / procedures to bring into focus any infringement / deviation / violation of the environment or forest norms / conditions? If so, it may be detailed in the EIA.
- c. What is the hierarchical system or Administrative order of the company to deal with the environment issues and for ensuring compliance with the environment clearance conditions? Details of this system may be given.

- d. Does the company have system of reporting of non compliances / violations of environment norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism shall be detailed in the EIA report
- iv. Action plan for post-project environment monitoring matrix:

| Activity | Aspect | Monitoring Parameter | Location | Frequency | Responsibility |
|-----------|------------|---------------------------------------|----------|-----------|----------------|
| Construc | tion phase | | | 1 | |
| Operation | n phase | | | | |
| | | · · · · · · · · · · · · · · · · · · · | | _ | |

7. Additional Studies

- i. Public consultation details (Entire proceedings as separate annexurealong with authenticated English Translation of Public Consultation proceedings).
- ii. Summary of issues raised during public consultation along with action plan to address the same as per MoEF&CC O.M. dated 30/09/2020

| s | Physical activity : | and action plan | | of implement Sudget in INI | Total Expenditu | |
|---|----------------------|------------------|-----------------|-------------------------------|--------------------|-----------------------|
| | Name of the Activity | Physical Targets | 1 st | 2 nd | 3 rd | re (Rs. in Crores) |
| | | | | | | |

- iii. Risk assessment
- Methodology
- Hazard identification
- Frequency analysis
- Consequence analysis
- Risk assessment outcome
- iv. Emergency response and preparedness plan

8. Project Benefits

- i. Environment benefits
- ii. Social infrastructure
- iii. Employment and business opportunity
- iv. Other tangible benefits

9. Environment Cost Benefit Analysis

- i. Net present value
- ii. Internal rate of return
- iii. Benefit cost ratio
- iv. Cost effectiveness analysis

10. Environment Management Plan (Construction and Operation phase)

- i. Air quality management plan
- ii. Noise quality management plan

- iii. Solid and hazardous waste management plan
- iv. Effluent management plan
- v. Storm water management plan
- vi. Rain water harvesting plan
- vii. Occupational health and safety management plan
- viii. Green belt development plan
- ix. Socio-economic management plan
- x. Wildlife conservation plan (In case of presence of schedule I species)
- xi. Total capital cost and recurring cost/annum for environment pollution control measures shall be included.

11. Conclusion of the EIA study

12. In addition to the above, any litigation pending against the project and/or any direction/order passed by any Court of Law against the project, if so, details thereof shall also be included. Has the unit received any notice under the Section 5 of Environment (Protection) Act, 1986 or relevant Sections of Air and Water Acts? If so, details thereof and compliance/ATR to the notice(s) and present status of the case.

SPECIAL CONDITIONS-

- 1. For Large ISPs, a 3-D view i.e. DEM (Digital Elevation Model) for the area in 10 km radius from the proposal site. MRL details of project site and RL of nearby sources of water shall be indicated.
- 2. Plan for the implementation of the recommendations made for the steel plants in the CREP guidelines.
- 3. Plan for solid wastes utilization
- 4. Plan for utilization of energy in off gases (coke oven, blast furnace)
- 5. System of coke quenching adopted with justification.
- 6. Details on environmentally sound technologies for recycling of hazardous materials, as per CPCB Guidelines, may be mentioned in case of handling scrap and other recycled materials.
- 7. Details on toxic metal content in the waste material and its composition and end use (particularly of slag).
- 8. Details on toxic content (TCLP), composition and end use of slag.
- 9. 100 % dolo char generated in the plant shall be used to generate power.
- 10. Fourth Hole fume extraction system shall be provided for SAF. WHR system shall be installed to recover sensible heat from flue gases of EAF. Provision for installation of jigging and briquetting plant to utilise the fines generated in the process.
- 11. No tailing pond is permitted for Iron ore slimes. Dewatering and filtration system shall be provided.
- 12. Emission/effluent norms as per G.S.R 894 (E) dated 4/12/2019.



HARYANA STATE POLLUTION CONTROL BOARD



1st Floor, Phagna Tower, ward no 10, National Highway No.2, Near red Rocks Cinema, Palwal. Email:- hspcbropal@gmail.com E-mail: hspcb@hry.nic.in

No. HSPCB/Consent/: 313102621PALCTO13467003

Dated:02/08/2021

To.

M/s :PROMPT ENTERPRISES PVT LTD Village Dhatir, Palwal

Subject: Grant of consent to operate to M/s PROMPT ENTERPRISES PVT LTD.

Please refer to your application no. 13467003 received on dated 2021-06-30 in regional office Palwal. With reference to your above application for consent to operate, M/s PROMPT ENTERPRISES PVT LTD is here by granted consent as per following specification/Terms and conditions.

| · · · · · · · · · · · · · · · · · · · | ····· | | | | |
|---------------------------------------|---|--|--|--|--|
| Consent Under | BOTH | | | | |
| Period of consent | 01/10/2021 - 30/09/2023 | | | | |
| Industry Type | Industry or process involving metal surface treatment or process such as pickling/ electroplating/paint stripping/ heat treatment using cyanide bath/ phosphating or finishing and anodizing / enamellings/ galvanizing | | | | |
| Category | RED | | | | |
| Investment(In Lakh) | 7068.0 | | | | |
| Total Land Area(Sq. meter) | 42443.0 | | | | |
| Total Builtup Area(Sq. meter) | 15000.0 | | | | |
| Quantity of effluent | · · · · · · · · · · · · · · · · · · · | | | | |
| 1. Trade | 52.0 KL/Day | | | | |
| 2. Domestic | 3.0 KL/Day | | | | |
| Number of outlets | 2.0 | | | | |
| Mode of discharge | | | | | |
| 1. Domestic | Septic Tank | | | | |
| 2. Trade | ЕТР | | | | |
| Domestic Effluent Para | meters | | | | |
| 1. TSS | 100 mg/l | | | | |
| 2. PH | 9.0 mg/l | | | | |
| 3. O & G | 10 mg/l | | | | |
| 4. Ammonical Nitrogen | 50 mg/l | | | | |
| 5. Iron as Fe | 3 mg/l | | | | |
| 6. Phosphate as p | 5 mg/l | | | | |
| 7. Hexavalent Chromium | 0.1 mg/l | | | | |
| 8. Total Chromium | 2 mg/l | | | | |

| 9. Total Metal | 10 mg/l | | | |
|--|-----------------------|--|--|--|
| Trade Effluent Paramet | ers | | | |
| 1. TSS | 100 mg/l | | | |
| 2. O & G | 10 mg/l | | | |
| 3. Ammoniacal Nitrogen | 50 | | | |
| 4. PH | 9.0 | | | |
| 5. Iron as Fe | 3 mg/l | | | |
| 6. Phosphate | 5 mg/l | | | |
| 7. Hexavalent Chromium | 0.1 mg/l | | | |
| 8. Total Chromium | 2 mg/l | | | |
| 9. Total metal | 10 mg/l | | | |
| Number of stacks | 2 | | | |
| Height of stack | · · · · · · | | | |
| 1. Stack attached with DG set | | | | |
| 2. Stack Attached to Pickling section | 33 Mtrs | | | |
| Emission parameters | | | | |
| 1. Sulfuric Acid MIst | 50 mg/m3 | | | |
| Product Details | | | | |
| 1. CRCA | 600 Metric Tonnes/day | | | |
| 2. Steel Pipe | 95 Metric Tonnes/day | | | |
| Capacity of boiler | | | | |
| 1. NA | Ton/hr | | | |
| Type of Furnace | | | | |
| 1. NA | | | | |
| Type of Fuel | | | | |
| 1. RLLING | 30 MT/Day | | | |
| Raw Material Details | | | | |
| HR Coils | 500 Metric Tonnes/Day | | | |

Regional Officer, Palwal Haryana State Pollution Control Board.

Terms and conditions

1. The applicants shall maintain good house keeping both within factory and in the premises. All hose pipelines values, storage tanks etc. shall be leak proof. In plant allowable pollutants levels, if specified by State Board should be met strictly.

2. The applicant/company shall comply with and carry out directive/orders issued by the Board in this consent order at all subsequent times without negligence of his /its part. The applicant/company shall be liable for such legal action against him as per provision of the law/act in case of violation of any order/directives. Issued at any time and or non compliance of the terms and conditions of his consent order.

3. The applicant shall make an application for grant of consent at least 90 days before the date of expiry of this consent.

4. Necessary fee as prescribed for obtaining renewal consent shall be paid by the applicant alongwith the consent application.

5. If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred to above required variation (including the change of any control equipment either in whole or in part) this Board shall after giving the applicant an opportunity of being heard vary all or such condition and there upon the applicant shall be bound to comply with the conditions so varied.

6. The industry shall provide adequate arrangement for fighting the accidental leakages, discharge of any pollutants gas/liquids from the vessels, mechanical equipment etc. which are likely to cause environment pollution.

7. The industry shall comply noise pollution (Regulation and control) Rules, 2000.

8. The industry shall comply all the direction/Rules/Instructions as may be issued by the MOEF/CPCB/HSPCB from time to time.

9. The industry shall ensure that various characteristics of the effluents remain within the tolerance limits as specified in EPA Standard and as amended from time to time and at no time the concentration of any characteristics should exceed these limits for discharge.

10. The industry would immediately submit the revised application to the Board in the event of any change in the raw material in process, mode of treatment/discharge of effluent. In case of change of process at any stage during the consent period, the industry shall submit fresh consent application alongwith the consent to operate fee, if found due, which may be on any account and that shall be paid by the industry and the industry would immediately submit the consent application to the Board in the event of any change during the year in the raw material, quantity, quality of the effluent, mode of discharge, treatment facilities etc.

11. The officer/official of the Board shall reserve the right to access for the inspection of the industry in connection with the various process and the treatment facilities. The consent to operate is subject to review by the Board at any time.

12. Permissible limits for any pollutants mentioned in the consent to operate order should not exceed the concentration permitted in the effluent by the Board.

13. The industry shall pay the balance fee, in case it is found due from the industry at any time later on.

14. If the industry fails to adhere to any of the conditions of this consent to operate order, the consent to operate so granted shall automatically lapse.

15. If the industry is closed temporarily at its own, they shall inform the Board and obtain permission before restart of the unit.

16. The industry shall comply all the Directions/ Rules/Instructions issued from time to time by the Board.

Specific Conditions :

1 Unit will submit online application 90 days before expiry of CTO. 2 Unit will maintain the daily log-book of ETP and source of water supply. 3 unit will not change the product without Board permission 4 Unit will follow the all ACTS/Rules/Regulation issued by the HSPCB/CPCB/NGT time to time in future. 5 Unit will submit the Analysis Report under Water & Air Act and Noise rules as per policy of the board. 6. Unit should complying the directions, conditions, guidelines, orders and rules etc. issued by Monitoring committee /

EPCA, HSPCB, CPCB, MoEF, Hon'ble High Court & Hon'ble Supreme Court of India time to time, otherwise CTE so granted shall be revoked without giving any further notice 7. A detailed water harvesting plan may be submitted by the project proponent. 8. That in case any additional charges / fees / penalty etc. are found payable towards this authorization / CTO/ CTE as per audit then the same shall be paid by the unit without any objection immediately as and when demanded by this office 9. If at any stage found that unit was involved in any past violation regarding Environment Laws / Rules / Acts then CTE/CTO so granted shall be revoked automatically & legal action will be initiate against the project proponent. 10. Unit will use underground water after obtaining approval from concerned authority. 11. That this CTE/CTO will not provide any immunity from any other Act/Rules/Regulations applicable to the project/land in question. 12. Unit will not use in illegal fuel. 13. Stack emission level should be stringent than the existing standards in terms of the identified critical pollutants. 14. Increase of green belt. 15. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc. 16. Unit will not change the quantity of effluent/Air emission without prior permission of the Board. 17. Unit will obtain all necessary clearance from all concerned departments/Authorities 18. Unit will comply all the Act/Rules/Notification/Directions i.e. HOWM Rules, E-waste Rules , PMW Rules, BMW Rules, Battery Rules and MSW Rules etc. 19Unit will dispose off waste will be handed over to CTSDFs i.e. GEPIL. 20. Unit will apply for Authorization under HOWM rules wit in 15 Days after issuing the CTO.

> Regional Officer, Palwal Haryana State Pollution Control Board.



भारत सरकार Government of India वाणिज्य और उद्योग मंत्रालय Ministry of Commerce & Industry पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो) Petroleum & Explosives Safety Organisation (PESO) हाल संख्या 502 एवं 507, लेवल-5, ब्लाक ॥, पुराना सी.जी.ओ. काम्प्लेक्स, एन.एच.4 फरीदाबाद- 121001 Hall No. 502 & 507, Level 5, Block B, Old CGO Complex, NH-4, Faridabad - 121001 E-mail : jtccefaridabad@explosives.gov.in Phone/Fax No : 0129 - 2410734, 2410732 संख्या /No. : P/NC/HN/15/1870 (P394505) दिनांक /Dated : 14/12/2022 सेवा में /To, M/s. PROMPT ENTERPRISES PVT. LTD., B-3/7, First Floot, Yamuna Vihar, New Delhi, Yamuna Vihar, New Delhi, Taluka: New Delhi, District: DELHI, State: Delhi PIN: 110053 Gut No, Kila No. 24/25/3, 27/28, PRITHLA - DHATIR ROAD, Village DUDHOLA DHATIR ROAD, Pałwał, Taluka: Palwał, विषय /Sub : District: PALWAL, State: Haryana, PIN: 121102 में स्थित विद्यमान पेट्रोलियम वर्ग B अधिष्ठापन में अनुज्ञप्ति सं P/NC/HN/15/1870 (P394505) के नवीकरण के संदर्भ में । Existing Petroleum Class B Installation at Gut No, Kila No. 24/25/3, 27/28, PRITHLA - DHATIR ROAD, Village DUDHOLA DHATIR ROAD, Palwal, Taluka: Palwal, District: PALWAL, State: Haryana, PIN: 121102 - Licence No. P/NC/HN/15/1870 (P394505) - Renewal regarding. महोदय /Sir(s), कृपया आपके पत्र क्रमांक OIN1238298 दिनांक 13/12/2022 का अवलोकन करें । Please refer to your letter No.: OIN1238298, dated 13/12/2022 अनुज़प्ति संख्या P/NC/HN/15/1870 (P394505) दिनांक 27/09/2018 को दिनांक 31/12/2023 तक नवीनीकृत कर इस पत्र के साथ अग्रषित की जा रही है । Licence No. P/NC/HN/15/1870 (P394505) dated 27/09/2018 is forwarded herewith duly renewed upto 31/12/2023. 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कडाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को अनुज्ञप्ति की वैधता समाप्त होने की तिथि से कम से कम 30 दिन पूर्व to Jt. Chief Controller of Explosives, North Circle, Faridabad, so as to reach his कार्यालय में प्रस्तुत करें । Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence to Jt. Chief Controller of Explosives, North Circle, Faridabad, so as to reach his office on or before the date on which Licence expires. कृपया पावती दें। Please acknowledge the receipt. भवदीय /Yours faithfully, ((आर.एन.मीना) (R.N.Meena)) संयुक्त मुख्य विस्फोटक नियंत्रक Jt. Chief Controller of Explosives फरीदाबाद/Faridabad (अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : http://peso.gov.in देखें) (For more information regarding status, fees and other details please visit our website: http://peso.gov.in) Note:-This is system generated document does not require signature.

| | पेज सं. 2 ते संख्या-(Licence No.) P/NC/HN/15/1870 (P394505) | | | | | |
|--|--|---------------------------------------|---|---|--|--|
| ाप्ति संख | | | | | | |
| <u>नवीनीकरण के पृष्ठांकन के लिए स्थान</u> SPACE FOR ENDORSEMENT OF RENEWALS | | | | | | |
| अधी उल्ले किर्स This con- of Pet | लेयम अधिनियम, १९३४ के उपबन्धों या उनके न बनाए गए नियमों या इस अनुज्ञप्ति की शर्तों का घन न होने की दशा में यह अनुज्ञप्ति फ़िस में बिना ो छूट के दस वर्ष तक नवीकृत की जा सकेगी i licence shall be renewable without any cession in fee for ten years in the absence contravention of any provisions of the roleum Act, 1934 or of the rules framed eunder or of any of the conditions of this nce. | नवीकरण की तारीख Date of Renewal | समाप्ति की तारीर Date of Expiry of licens | Signature and office stamp of th | | |
| 1). | | 10/12/2019 | 31/12/2020 | Sd/- R.N.Meena Jt. Chief Controller of Explosives Faridabad | | |
| 2) | | 04/12/2020 | 31/12/2021 | Sd/- License Renewed Online Jt. Chief Controller of Explosives Faridabad | | |
| 3) | L. | 22/12/2021 | 31/12/2022 | Sd/- R.N.Meena Jt. Chief Controller of Explosives Faridabad | | |
| 4 |). | 14/12/2022 | 31/12/2023 | R.N.Meena Jt. Chief Controller of Explosives Faridabad | | |

यदि अनुज़प्ति परिसर इसमें उपाबद्ध विवरण और शर्तों के अनुरुप नहीं पाए जाते है और जिन नियमों और शर्तों के अधीन यह अनुज़प्ति मंजूर की गई है उनमे से किसी का उल्लंघन होने की दशा में यह अनुज़प्ति रद्द की जा सकती है और अनुज़प्तिधारी प्रथम अपराध के लिए साधारण कारावास से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक पश्चातवर्ती अपराध के लिए साधारण कारावास से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, वण्डनीय होगा। सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा। This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved Data stacked bereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

Note:-This is system generated document does not require signature.



QCI-NABET's letter of accreditation bearing no. QCI/NABET/ENV/ACO/21/2117 dated Oct 26, 2021. The accreditation needs to be renewed before the expiry date by Oceao Enviro Management Solutions India Pvt Ltd., Ghaziabad following due process of assessment.

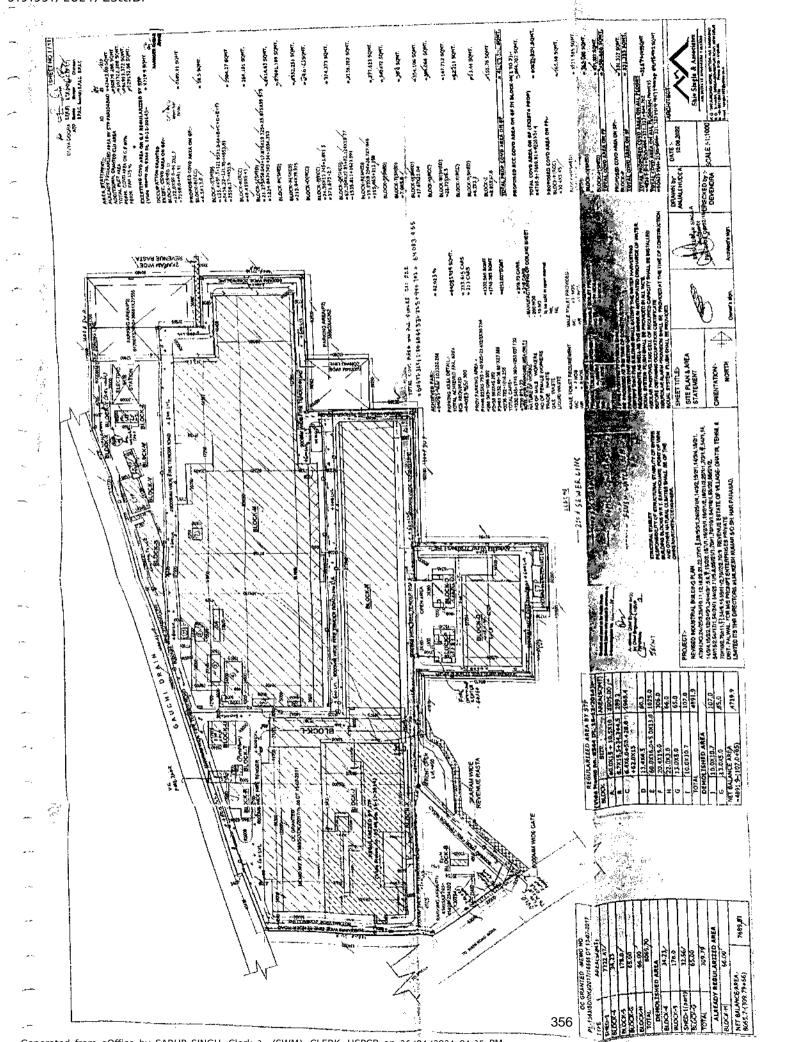
Sr. Director, NABET Dated: Oct 26, 2021

Certificate No. NABET/EIA/2124/RA 0217

Valid up to August 04, 2024

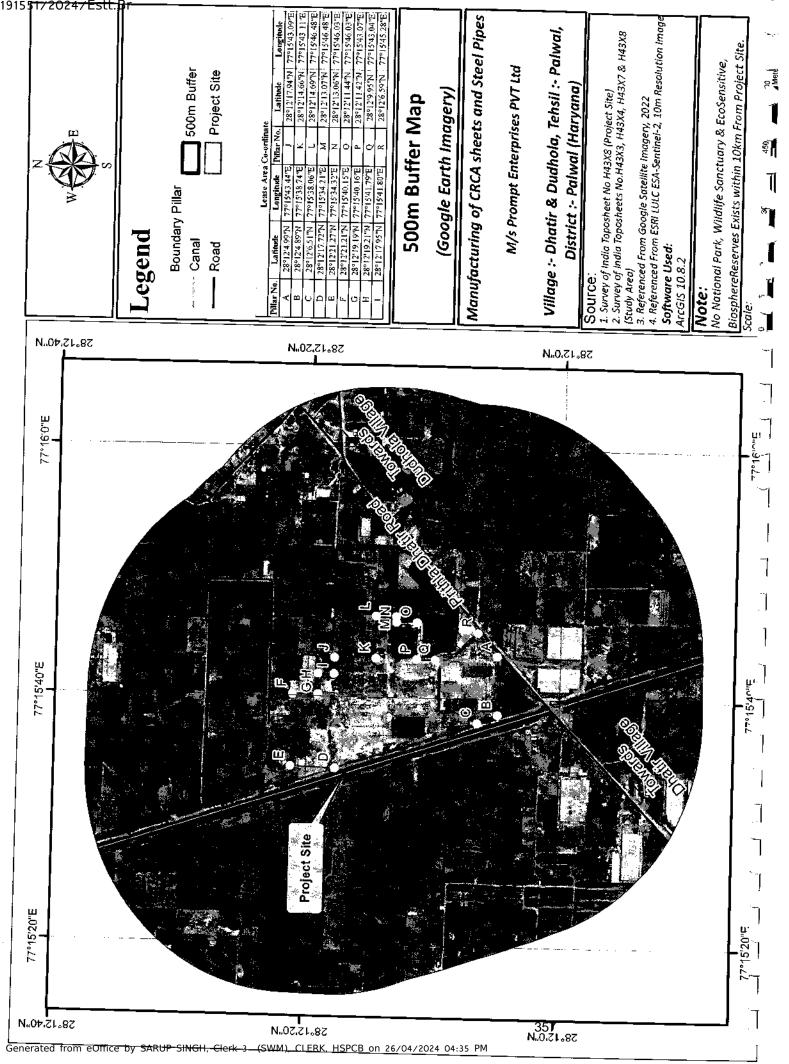
355

For the updated List of Accredited EIA Consultant Organizations with approved Sectors please refer to the QCI-NABET webs

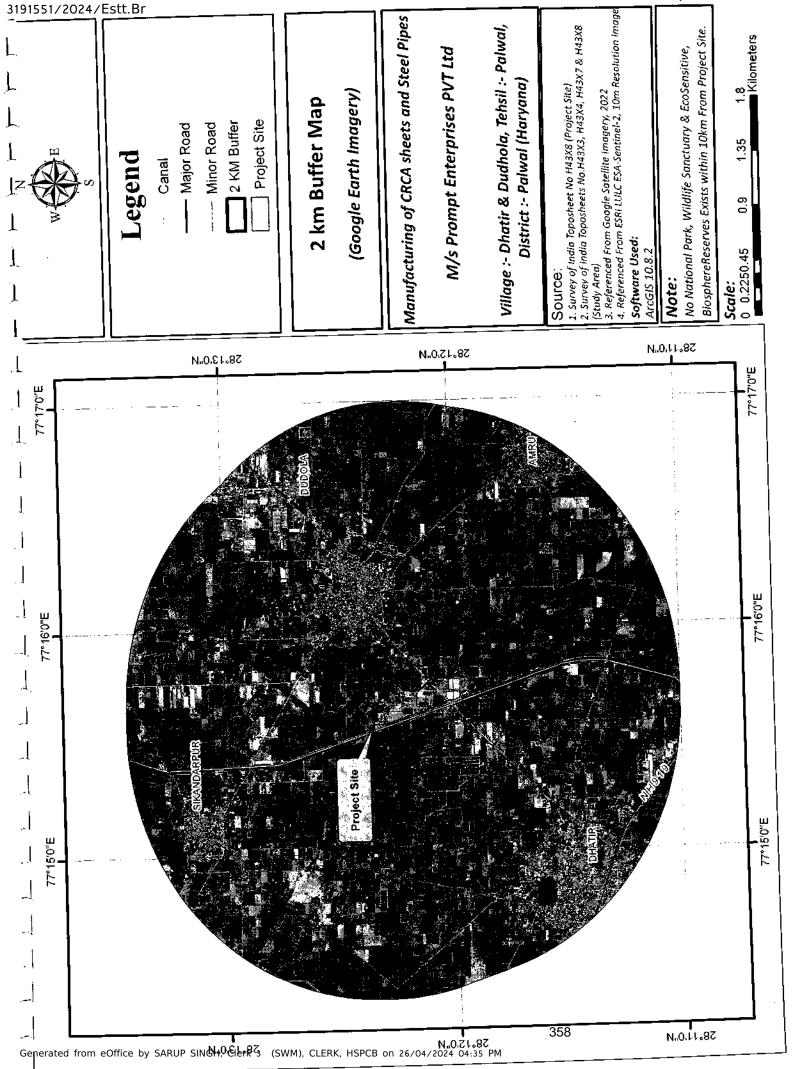


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

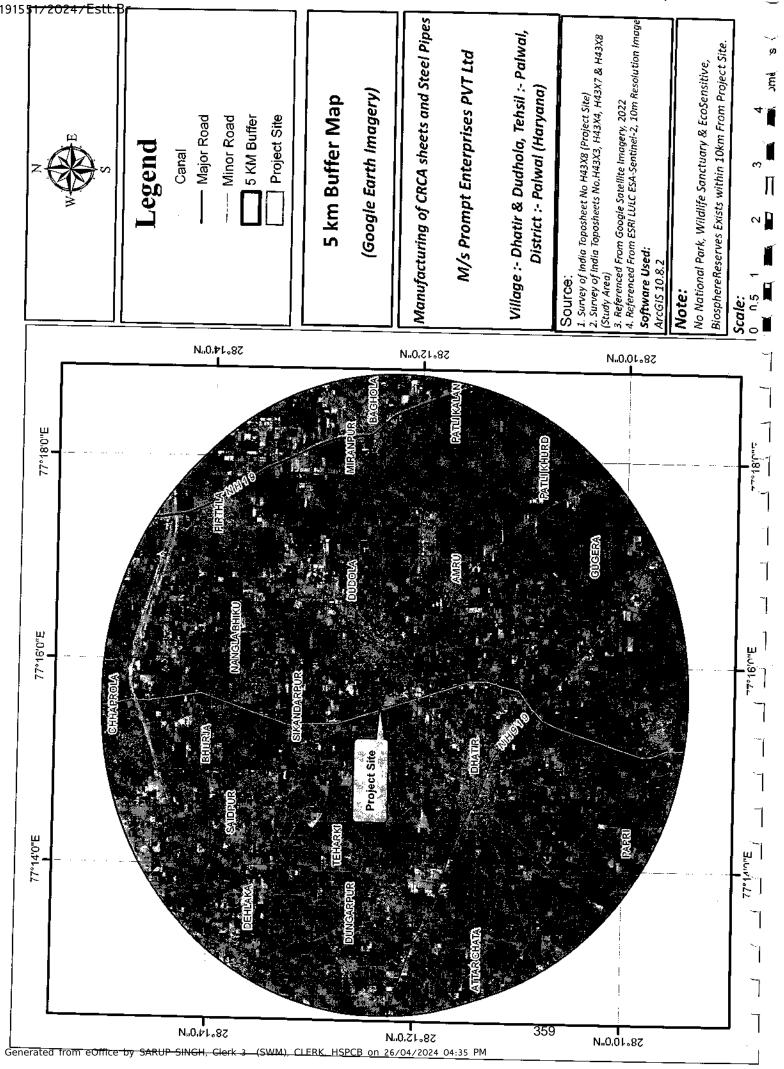
Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



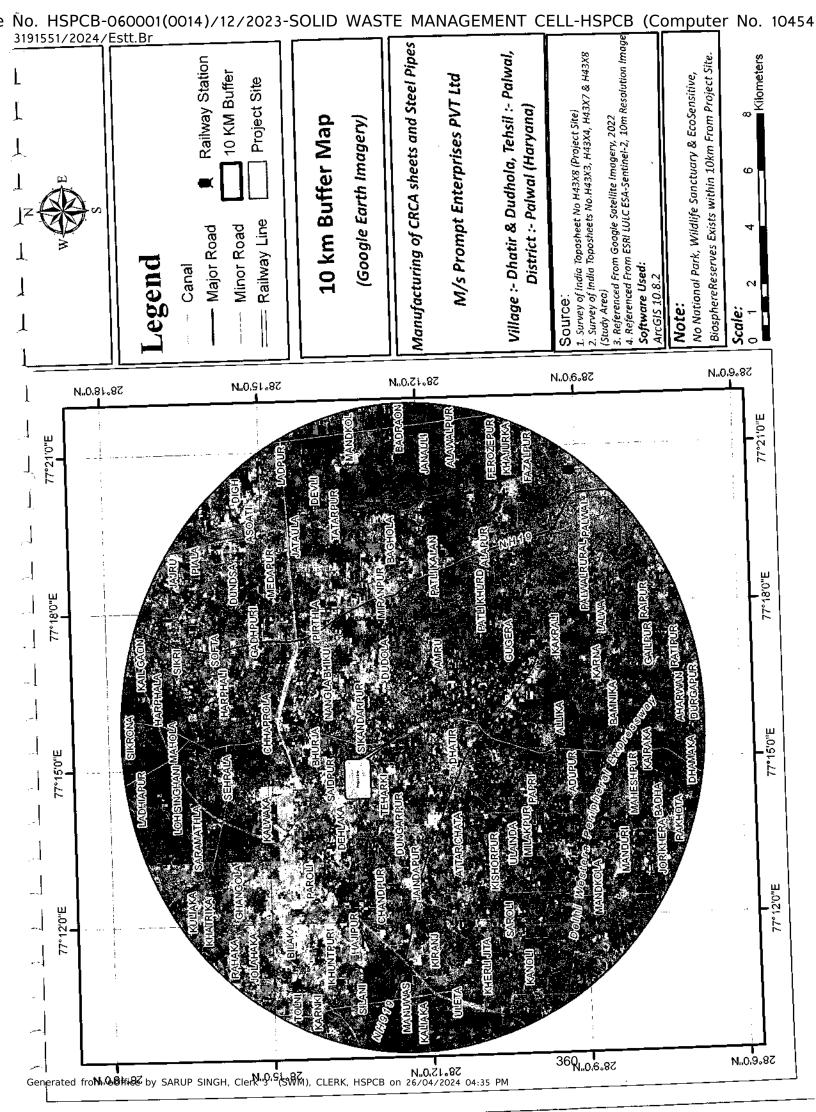
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

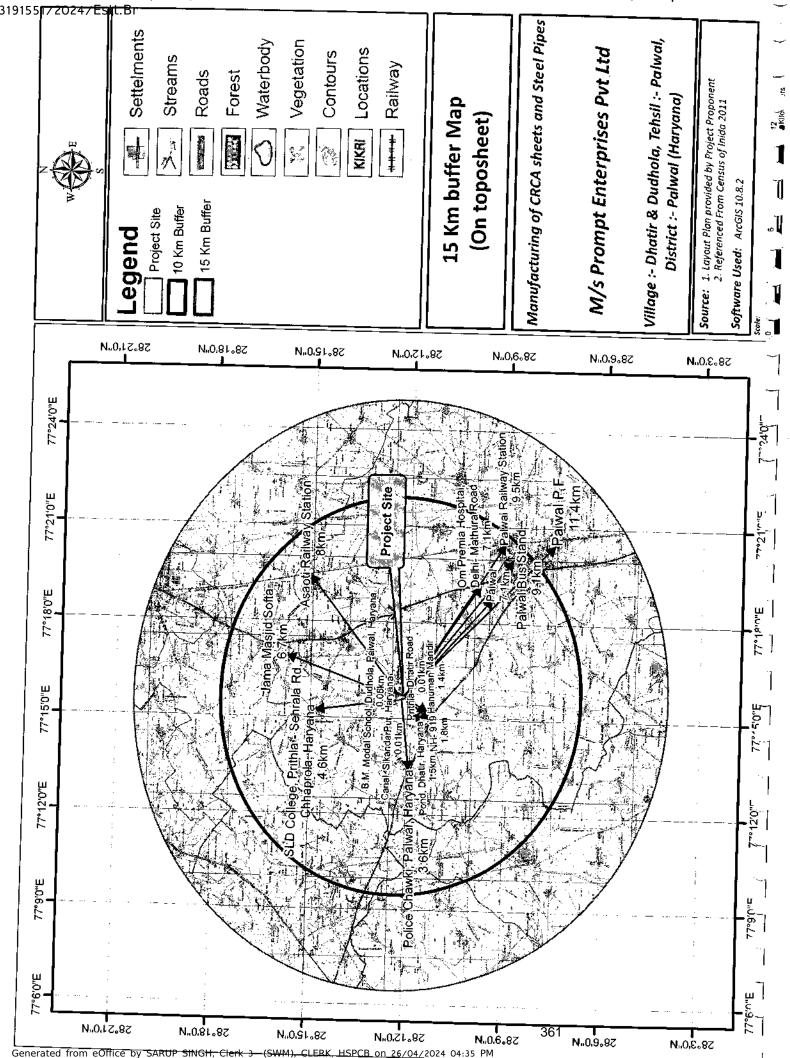


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

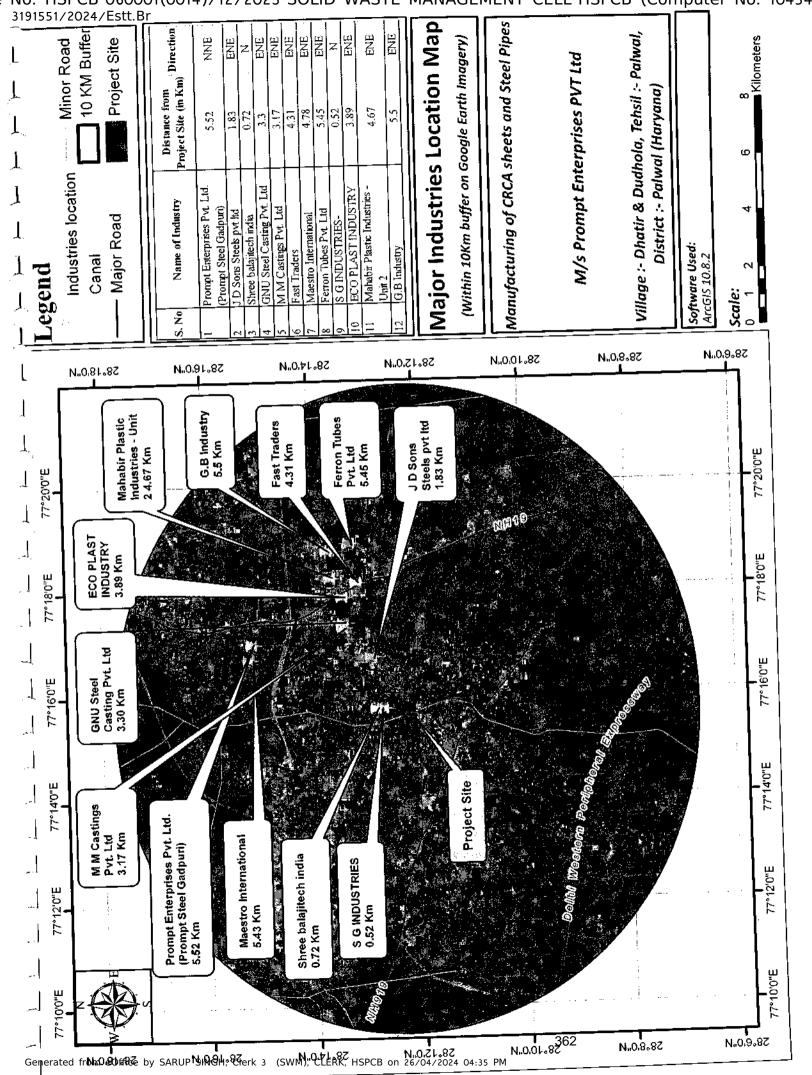


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

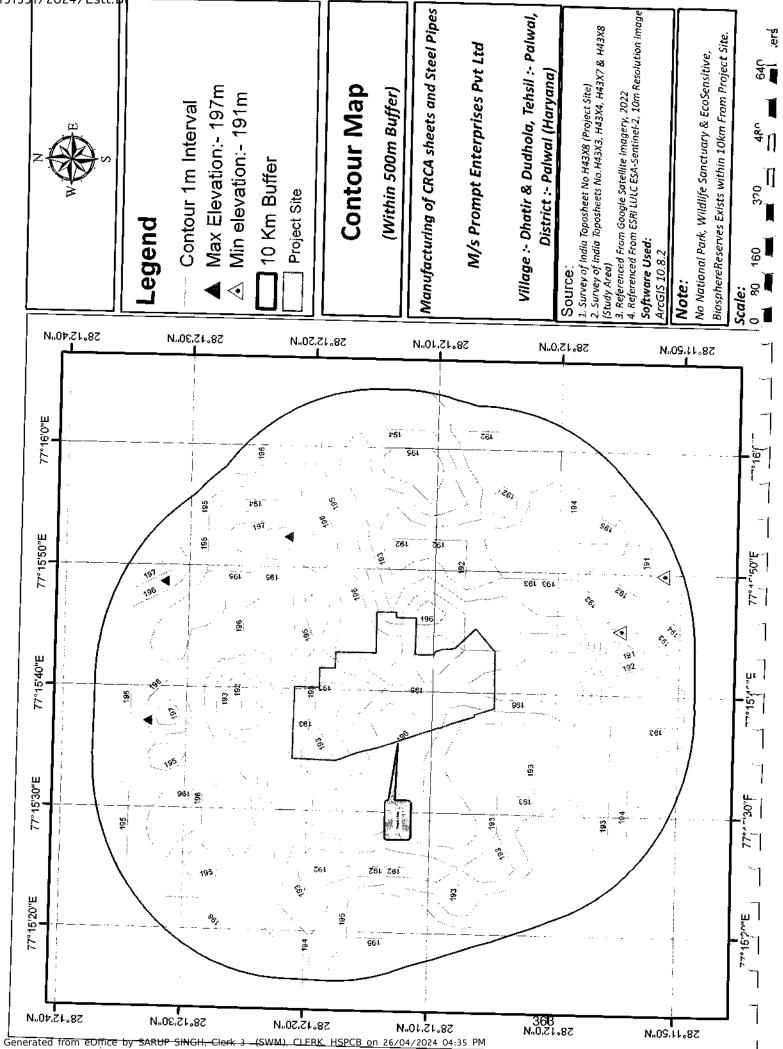




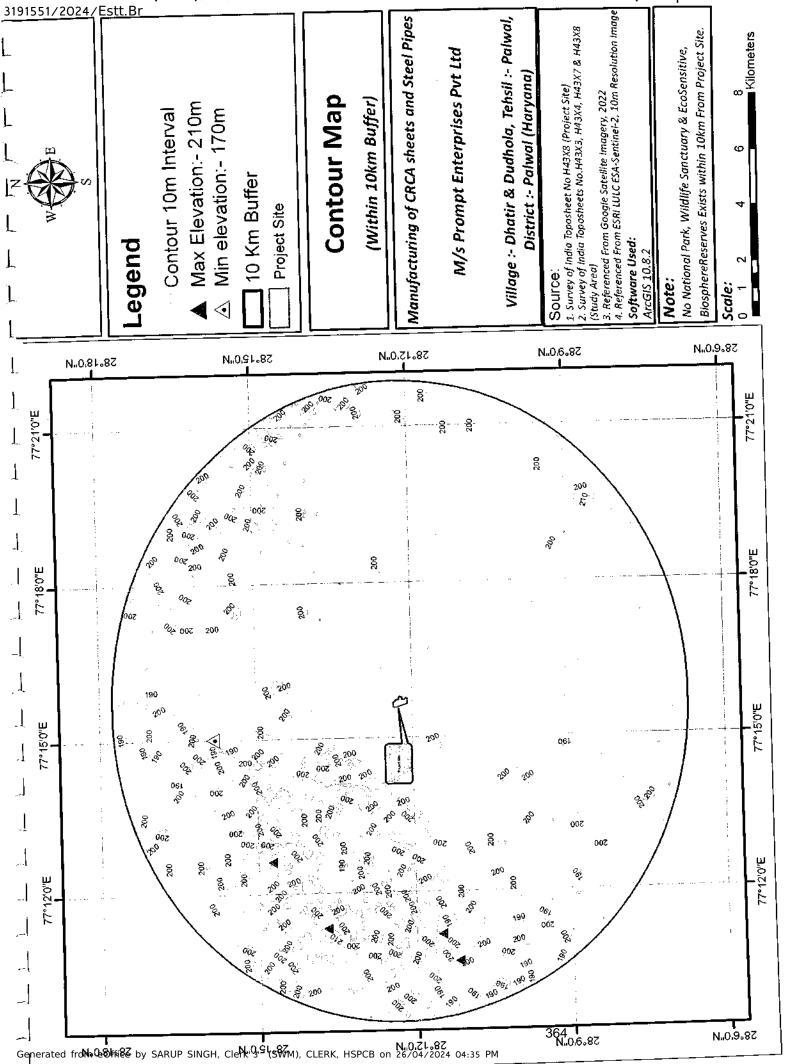
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

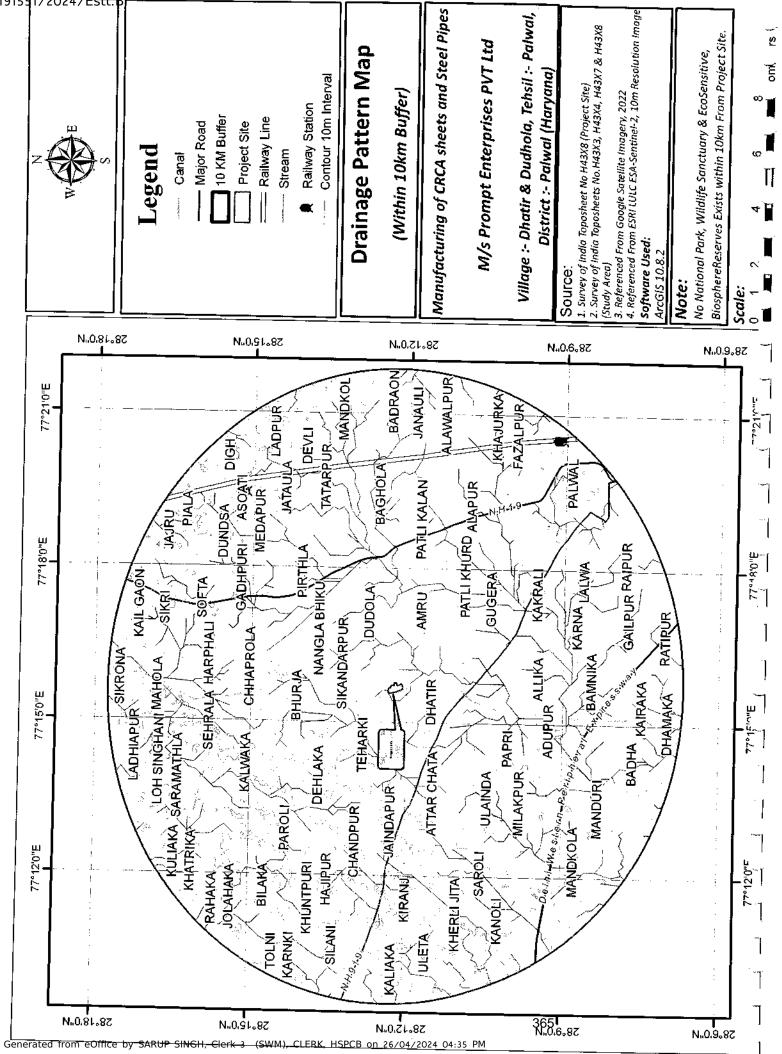


No. HSPCB-060001(0014)/12/2023-SOLID MANAGEMENT CELL-HSPCB (Computer No. 10454 WASTE

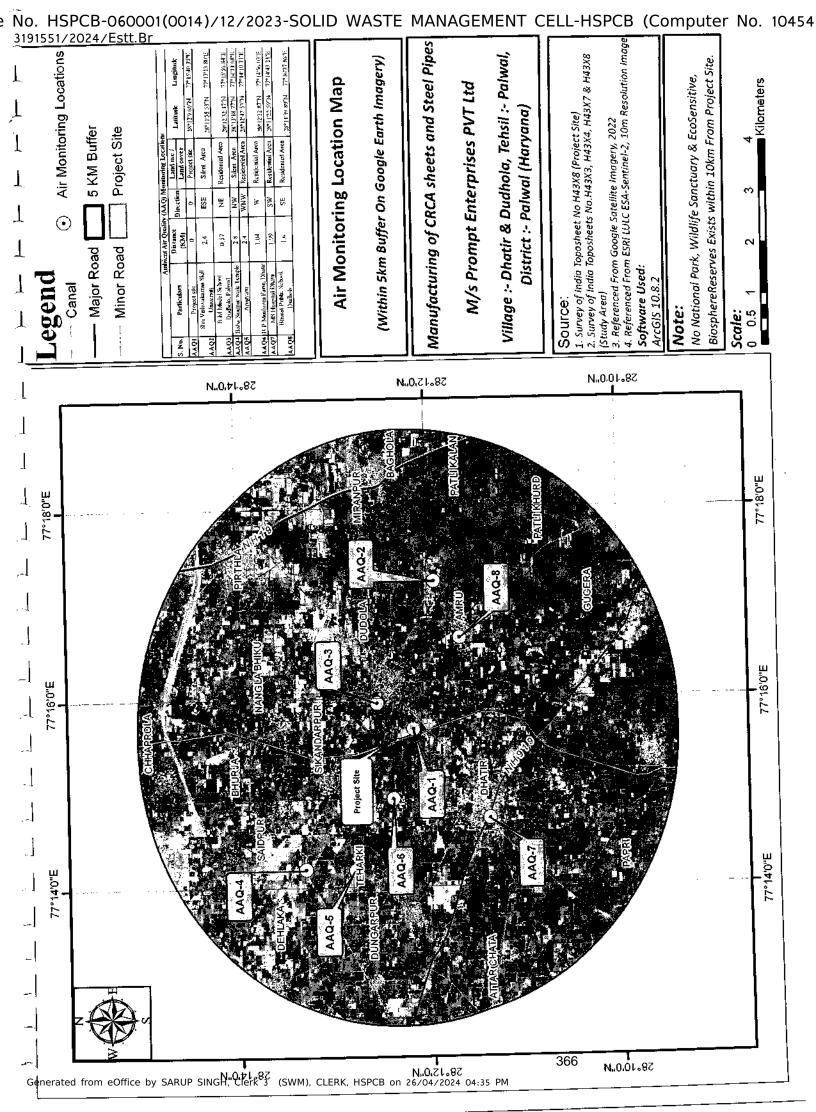


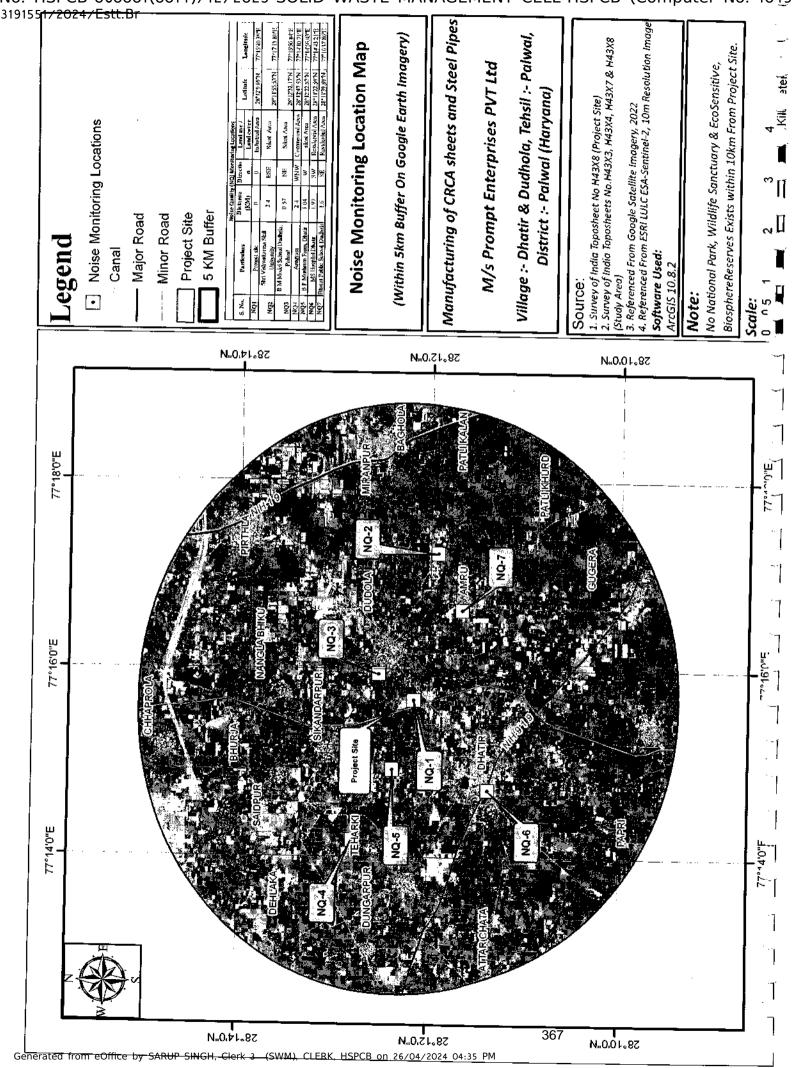
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

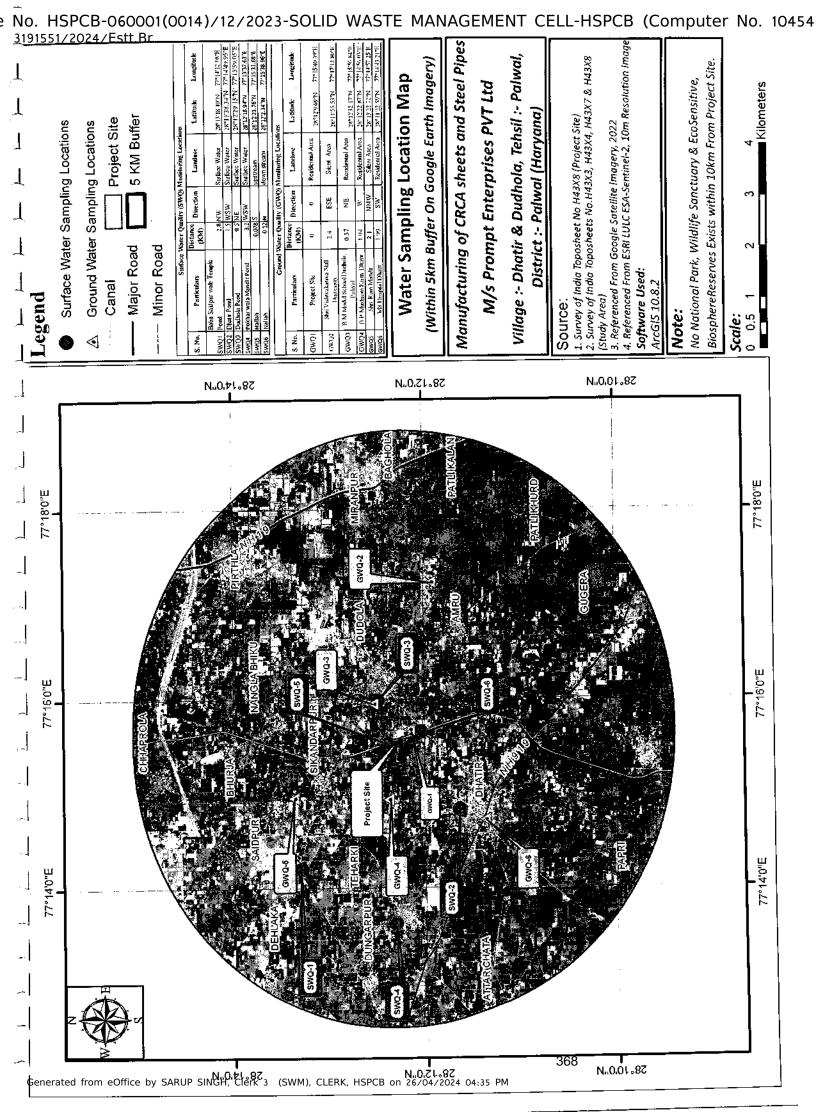


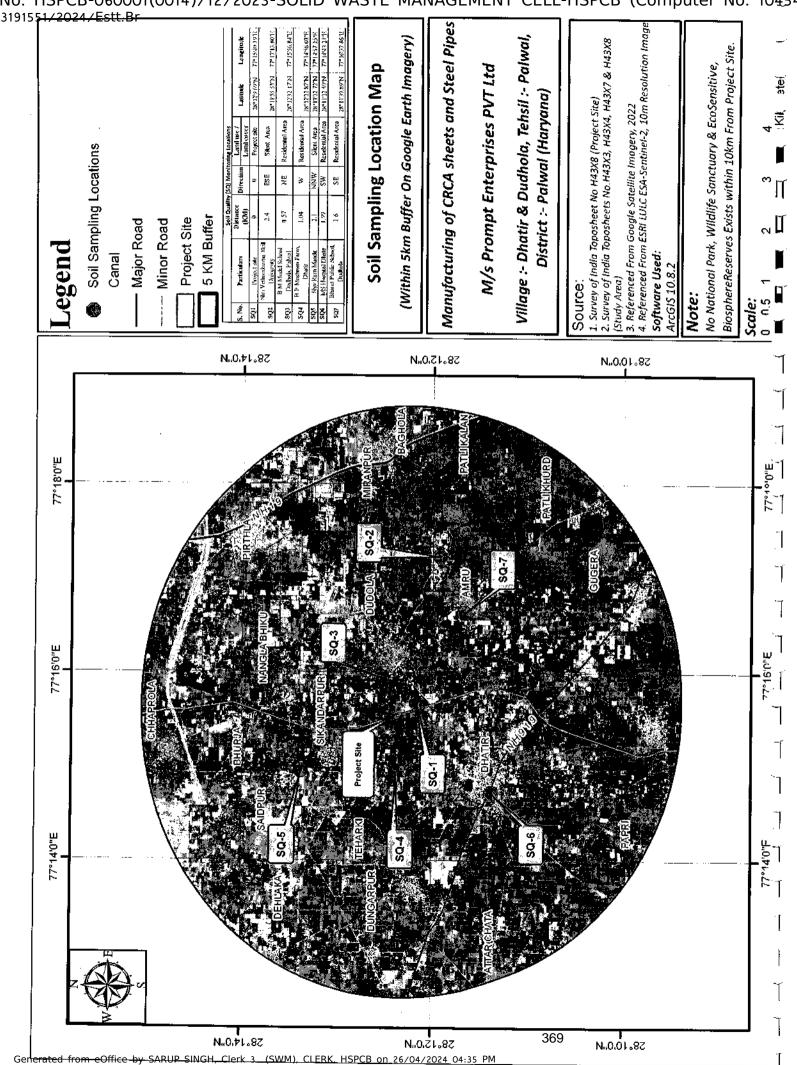


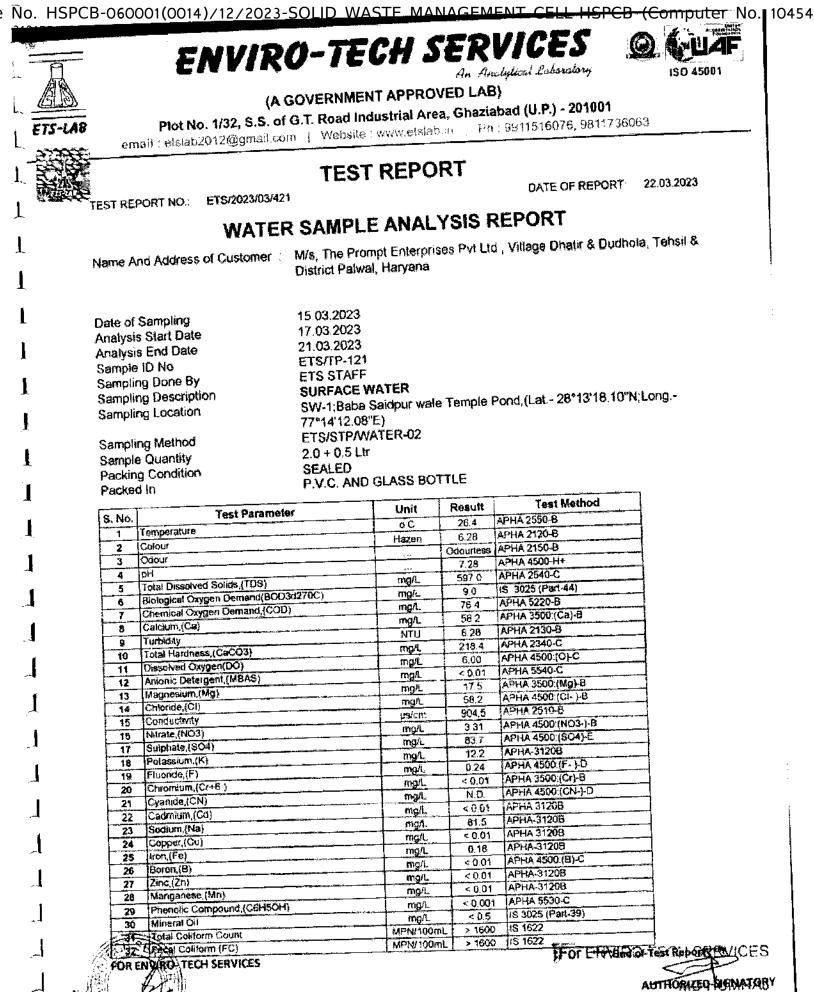
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454











CHECKED BY Superts without ATS LAB HOLOGRAM are not issued by our laboratory. Superts without ATS LAB HOLOGRAM are not issued by our laboratory. 1. T

2, The

3. No complaint will be entertained if received after 7 days of issue of test report.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of 1,aw without prior written permission of the laboratory. Generated from eoffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Quality Manager

| Plot No. 1132, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 amail: ossied/2017/2301-86.com Website: www.etsite.in Plot No. 11728/052 Date of REPORT METER ENDER Date of REPORT Date of Sampling Analysis Start Date 17.03 2023 Analysis Start Date 2.03 2023 Analysis Start Date 2.03 2023 Analysis Start Date 2.03 2023 Sampling Decation SUPPACE Water Sampling Method ETS: TP/MATER-02 Sampling Method ETS: Town and the assort to the transmeter Unit tot the transmeter | ETS-L | A 8 | Plot No. 1/32, S.S | . of G.T. Ro | NMENT AP ad Industria | al Area. (| Ghaziabad (I I P) , 2010 | ∩ ⊀ |
|--|---|-------------|--|--|--|--|-----------------------------------|-------------------|
| TEST REPORTDATE OF REPORT NOEST SUZURADEDATE OF REPORT NOEST SUZURADEDATE OF REPORT NOEST SUZURADEDATE OF REPORT NOCALL OF REPORT NODATE OF REPORT NOCALL OF REPORT NOCALL OF REPORTMark Address of CustomerMark Address of CustomerMark Address of CustomerMark Address of CustomerMark Address of CustomerSampler Start Date2016 of Sampling DesorphionEST STEP STAFFSampling DesorphionEST SUMFACE WATERSampling DesorphionEST SUMFACE WATERSampling MethodEST SUMFACE WATERColspan="2">Sampling MethodEST SUMFACE WATERSampling MethodEST SUMFACE WATERSampling MethodEST SUMFACE WATERSampling MethodEST SUMFACE WATERSampling MethodEST SUMFACESampling MethodEST SUMFACESampling MethodEST SUMFACESampling MethodEST SUMFACESampling MethodEST S | | R | email: oisiab2012iggmai | i.com We | :bsite : www. | etslab in | Ph.: 9911516076. 981 | 1736063 |
| Construction ETS202303422 DATE OF REPORT MO. 21.03 2023 MATE OF REPORT MO. MATE OF REPORT MO. Construction of Customer MATE OF REPORT MO. Case 2003 MATE OF REPORT MO. MATE OF REPORT MO. Case 2003 Mate of Address of Customer MATE OF REPORT MO. Case 2003 Mate Address of Customer MATE OF REPORT MO. Case 2003 Mate Address of Customer MATE OF REPORT MO. Case 2003 Date of Sampling 15.03.2023 Analysis Sind Date 17.03 2023 Sampling Description SUFFACE WATER Sampling Method ESISTP/WATER.02 Sampling Method ESISTP/WATER.02 Conductor Sampling Method ESISTP/WATER.02 Sampling Method ESISTP/WATER.02 Sampling Method ESISTP/WATER.02 Sampling Method </th <th></th> <th>¥.</th> <th></th> <th>,</th> <th></th> <th></th> <th></th> <th>······</th> | | ¥. | | , | | | | ······ |
| Date of Server 22 03 2023 WATER SAMPLE ANALYSIS REPORT Name And Address of Customer Ms. The Prompt Enterprises Pvt Ltd., Village Dhalir & Dudhola, Tehsil & District Patwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sample ID No ETS STAFF Sampling Done By ETS STAFF Sampling Description SWCPACE WATER Bampling Description SW2-Dbalir Pond, Ltat - 28°11'38.34'N;Long - 77°14'49.95'E) Sampling Method ETS/STP/WATER-02 Sample Duantity 2.0 + 0.5 Ltr Packing Condition SETALED PAC of the cols | | E TES | T REPORT NO .: ETS/2023/03 | /422 | =91 RE | PORI | | |
| Name And Address of Gustomer M/s, The Prompt Enterprises Pvt Ltd., Vittage Dhalir & Dudhola, Tehsil & District Pahwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 17.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Location SUF7Acce WATER Sample Country 2.0 + 0.5 Ltr Packing Condition SEALED Packed in P.V.C. AND GLASS BOTTLE No. Test Parameter V.C. AND GLASS BOTTLE Start Action Sampling Description SEALED Packed in P.V.C. AND GLASS BOTTLE No. Test Parameter Unit A Date Displan Dromand SOCB3/70CC mg/d. 91.5 A Date Displan Dromand SOCB3/70CC mg/d. 92.5 A Date Hanness (39003) mg/d. 92.5 Start Hanness (39003) mg/d. 92.6 Start Description 7.28 Start Description 7.28 Start Descont Start Parameter Unit <tr< td=""><td></td><td></td><td>·····</td><td></td><td></td><td></td><td></td><td>ORT 22.03 2023</td></tr<> | | | ····· | | | | | ORT 22.03 2023 |
| District Palwal, Haryana Date of Sampling 15.03.2023 Analysis End Date 21.03.2023 Analysis End Date 21.03.2023 Sample ID No ETS:TP-1:22 Sampling Done By ETS:STAFF Sampling Done By ETS:STAFF Sampling Done By ETS:STAFF Sampling Location SURFACE WATER Sampling Method ETS:STP/WATER-02 Sampling Method ETS:STP/WATER-02 Sampling Nethod ETS:STP/WATER-02 Sampling Nethod ETS:STP/WATER-02 Sample Done Test Parameter Unit Packed In P.V.C. AND GLASS BOTTLE Sample Openet Donund(2003/70c): mg2. A Drive Donund (2003/70c): mg2. A Drive Donund(2003/70c): mg2. Sample Openet Donund(2003/70c): mg2. Sample Openet (Masks): mg2. Sample Openet (Masks): mg2. A Drive Donund(2003/70c): mg2. Sample Openet Donund(2003/70c): mg2. Sample Openet (Masks): mg2. Sample Openet Donund(2003/70c):< | | | | | | | | |
| Analysis Start Date 17 03 2023 Analysis End Date 17 03 2023 Sample ID No ETS STAFF Sampling Done By ETS STAFF Sampling Docation SUFFACE WATER Sampling Docation SW-2, Dhatr Pond, Lat 28°11'38.34"N; Long 77°14'49.95"E) Sampling Method ETS/STP/WATER-02 Sampling Method ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packed In PV C. AND GLASS BOTTLE No. Test Parameter Unit Packed In PV C. AND GLASS BOTTLE Sample Goodinon State D 2 Colour -0.1 26.5 -1 Temperature -0.1 26.5 -2 Colour -12.8 APHA 200-B -3 Goour -12.8 APHA 200-B -4 ERA Colour -12.9 APHA 200-B -5 Idongen Demand(BOOD90700C) mg/L 22.9 APHA 200-B -6 Biological Oscience Colour mg/L 22.9 APHA 200-B -6 Biological Oscience Colour mg/L 22.9 APHA 3200-B | | war | ne And Address of Customer | | Prompt Ente alwal, Harya | erprises P Ina | vt Ltd., Village Dhatir & D | ludhola, Tensil & |
| Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Docation SURFACE WATER Sampling Method ETS/STP/WATER-02 Sampling Method ETS/STP/WATER-02 Sampling Docation SURFACE WATER Packing Condition SEALED Packed in P.V.C. AND GLASS BOTTLE Image: Start Date Decoded in the second start decoded start decoded in the second start decoded in the second start decoded in the second start decoded start decoded start decoded start decoded in the second start decoded start | | | | 15 03 20 | 23 | | | |
| Sample ID No ETR/TP-122 Sampling Done By ETS STAFF Sampling Docescription SURFACE WATER Sampling Location SW-2.(Dhafir Pond,(Lat28°11'38.34"N;Long77*14'49.95"E) Sampling Method ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packed In PVC. AND GLASS BOTTLE No. Temperature 0.0 (2.26.4) 2.0 dots SATE D Packed In PVC. AND GLASS BOTTLE Sample Quantity 2.0 + 0.5 Ltr Packed In PVC. AND GLASS BOTTLE Sample Quantity 1.01 (2.26.4) April 1.02 (2.26.4) PVC. AND GLASS BOTTLE Sample Quantity 1.0 (2.26.4) Sample Quantity 1.0 (2.26.4) 2.0 (2.0000) mg/d. 2.28 (2.0 (2.0000) 3.0 (2001) mg/d. 2.28 (2.0 (2.0000) 4.0 (2.0000) mg/d. 2.22 (2.0 (2.0 (2.0 (2.0 (2.0 (2.0 (2. | | | | 17.03.20 | 23 | | | |
| Sampling Done By ET3 STAFF Sampling Description SURFACE WATER Sampling Location SW-2,Dhair Pond,(Lat 28°11'38,34"N;Long - 77"14'49.95"E) Sampling Method ET3/STP/WATER-02 Sampling Condition SEALED Packing Condition SEALED Packed In P.V.C. AND GLASS BOTTLE 5. No. Test Parameter 1 test Parameter 2 Colour 3 Octour 3 Octour 4 pH Colour 728 4 pH Colour 728 3 Octour 4 pH Colour 728 4 pH 6 Balogical Oxygen Demand(GOD3/2700;1 mg/L 7 Chemical Oxygen Demand(GOD3/2700;1 mg/L 8 < | | | | | | | | |
| Sampling Description SURFACE WATER Sampling Location SW-2, Dhalir Pond, (Lat 28°11'38.34"N; Long 77°14'49.95"E) Sample Quantity 20 + 0.5 Ltr Sample Quantity 20 + 0.5 Ltr Packing Condition SEALED Packed In P.V.C. AND GLASS BOTTLE 5 No. 1 Temperature 2 Occur 3 Odour 4 Packed In 7 Test Parameter 4 primetare 2 Occur 4 primetare 5 No. 6 Biological Oxygen Demand(SOD30270C) mgA. 915 9 Truit Hardness (GOC3) 10 Torait Hardness (GOC3) 11 Dissoved Soutes (TDS) 12 APHA 2530-C 13 Deform 44 14 Dissoved Soutes (TDS) 15 APHA 2530-C 6 Biological Oxygen Demand (COD) 7 Chomical Coxygen (COD) 10 <td></td> <td>San</td> <td>Ipling Done By</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | San | Ipling Done By | | | | | |
| Sampling Method ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packed In P.V.C. AND GLASS BOTTLE ¹ Temperature 0.0 (285 BOTTLE) ² Octour 0.0 (285 BOTTLE) ³ Octour 0.0 (285 BOTTLE) ⁴ Temperature 0.0 (285 BOTTLE) ³ Octour 0.0 (285 BOTTLE) ⁴ Temperature 0.0 (285 BOTTLE) ⁴ Temperature 0.0 (285 BOTTLE) ⁴ Detail Dissolved Solids,(105) 0.0 (285 PAPHA 2100 B) ⁴ Ottail Dissolved Solids,(105) 0.0 (285 PAPHA 2100 B) ⁴ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁴ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁶ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁶ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁶ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁶ Ottail Dissolved Solids,(105) 0.0 (28 PAPHA 2500 C) ⁶ Ottail Dissolved Solids,(100) ⁶ Ottail Dissolved Solidsol,(100) | | San | pling Description | SURFAC | E WATER | | | |
| Sample Quantity ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packing Condition SEALED Packed in PV.C. AND GLASS BOTTLE 1 Tenperature Unit Result Test Method 2 Colour 0.C 26.5 APHA 2550-B 3 Octour Hazen 7.28 APHA 2550-B 4 IpH Colouries APHA 2500-C 5 Total Disolved Solids,(T05) mg/L 62.5 APHA 2500-C 7 Chemical Oxygen Demand(SOD30270C) mg/L 62.9 APHA 2500-C 7 Chemical Oxygen Demand(SOD30270C) mg/L 62.9 APHA 2500-C 9 Turbidity mg/L 62.9 APHA 2500-C 9 Turbidity mg/L 62.9 APHA 2500-C 9 Turbidity mg/L 62.9 APHA 2500-C 10 Dissoved Oxygen(LOO) mg/L 62.9 APHA 2500-C 12 Isoonco Delegen(L(MBAS) mg/L 62.9 APHA 2500-C <td></td> <td>Jan</td> <td>pang Location</td> <td>SW-2;Dh</td> <td>atir Pond,(La</td> <td>at 28° 11'</td> <td>38,34"N;Long - 77*14'49</td> <td>95*E)</td> | | Jan | pang Location | SW-2;Dh | atir Pond,(La | at 28° 11' | 38,34"N;Long - 77*14'49 | 95*E) |
| Stample Quantity 2.0 ± 0.5 Ltr Packing Condition SEALED Packed in P.V.C. AND GLASS BOTTLE 1 Temperature 0.C 2 Colour 0.C 3 Odour 0.C 4 IPH Colour 5 Odour 0.C 4 IPH Colour 5 Odour 0.C 6 Total Disolved Solids(TDS) mg/L 6 Total Disolved Solids(TDS) mg/L 6 Total Disolved Solids(TDS) mg/L 7 Chemical Chypen Demand(SoD3d270C) mg/L 8 Caloum/(Ca) mg/L 9 Turblicky NTU 10 Total Hardness (CaOC3) MTU 11 Description (Ca) mg/L 12 Anono Detergent (MAS) mg/L 13 Magnesturn (Mg) mg/L Colour 14 Choride (Col) mg/L Sol 15 Conductwity mg/L | | Şam | pling Method | | | | | |
| Bit Dev C. AND GLASS BOTTLE 1 Temperature 0.C. 28.5 APHA 2550.B 2 Colour 9.C. 29.5 APHA 2550.B 3 Odour 9.C. APHA 2550.B 1 4 IpH Colour 7.28 APHA 2550.B 5 Total Disolved Solids.(TDS) 7.32 APHA 2560.C 6 Biological Oxygen Demand.(GOD3/270C) mg/L 625.9 APHA 4500.C+ 7 Chemical Oxygen Demand.(GOD) mg/L 11.5 APHA 3200.C 8 Calour | | Sam Doct | ple Quantity | 2.0 + 0.5 | | | | |
| S. No. Test Parameter Unit Result Test Method 1 femperature 0.C 26.5 APHA 250-B 2 Colour Hazen 7.20 APHA 250-B 3 Octour Hazen 7.20 APHA 250-B 4 (pH) Coloutess APHA 250-B Coloutess APHA 250-B 5 Tobit Dissolved Solids.(TDS) mg/L 112 IS 3025 (Part 42) 6 Balogical Oxygen Demand.(GOD) mg/L 112 IS 3025 (Part 42) 7 Chemical Oxygen Demand.(GOD) mg/L 112 IS 3025 (Part 42) 9 Turbidity mg/L 112 IS 3025 (Part 42) 9 Turbidity mg/L 123 APHA 250-C 10 Total Hardness.(CaCO3) mg/L 123 APHA 250-C 11 Dissolved Oxygen(DCO) mg/L 223 APHA 250-C 12 Anionic Detergent.(MBAS) mg/L 20.9 APHA 3500 (Ca-1)B 15 Conductivity mg/L 20.9 APHA 4500 | | Pack | ted in | | | | | |
| 1 Territorian Unit Result Test Method 2 Colour 0.C 26.5 APHA 2500.B 3 Odour Hitzen 7.28 APHA 2120.B 4 pH Coloures APHA 2120.B 5 Total Dissolved Solids (TDS) mg/L 27.2 APHA 4500.H 6 Biological Oxygen Demand(BOD30270C) mg/L 11.2 IIS 3025 (Part 44) 7 Chemical Oxygen Demand(BOD30270C) mg/L 11.2 IIS 3025 (Part 44) 8 Calokim (Ca) mg/L 11.2 IIS 3026 (Part 44) 9 Turbitity mg/L 6.2.6 APHA 3500 (Ca)-B 10 fatal Hardness (CaCO3) mg/L 6.2.9 APHA 230.B 11 Dissolved Oxygen(LO) mg/L 6.43 APHA 4500 (O)-C 12 Anionic Detergent(MBAS) mg/L 6.01 APHA 230.B 12 Anionic Detergent(MBAS) mg/L 6.2.9 APHA 4500 (O)-C 13 Magnesium (Mg) mg/L 6.2.9 | | · · · · · | | | ID GLASS B | OTTLE | | |
| 2 Colcur Hazen 7 (28, 5) APHA 2500 B 3 Odour Hazen 7 (28, 4PHA 2120, B) 4 pH Cdourtees APHA 2130, B 5 Totat Dissolved Solids,(T05) mg/L 7 (32, 4PHA 2500, H) 6 Biological Oxygen Demand (S003d270C) mg/L 11 (2) IS 3025 (Phrt.44) 7 Chemcal Oxygen Demand (C00) mg/L 11 (2) IS 3025 (Phrt.44) 9 Turbidity mg/L 62.9 APHA 2130, B 9 Turbidity mg/L 62.9 APHA 3500 (Ca, B) 10 Tatal Hardness, (CaCO3) mg/L 229.3 APHA 3500 (Co, Ca, B) 11 Dissolved Oxygen(UO) mg/L 229.3 APHA 4500 (Oc, Ca, B) 13 Magnesium (Mg) mg/L 20.9 APHA 4500 (Co, Ca, B) 14 Chioxed Oxygen(UO) mg/L 20.9 APHA 4500 (Co, Ca, B) 14 Chioxed Oxygen(UO) mg/L 20.9 APHA 4500 (Co, Ca, B) 15 Conductivithy mg/L 20.9 | | | The second secon | ۲ ۲ | Unit | Result | Test Method | |
| 2 Dobul Odoutees APHA 2150-B 4 p/H 7.32 APHA 2150-B 5 Totat Dissolved Solide,(TDS) mg/L 625.9 APHA 2500-H 6 Biological Gwgen Demand(BOD3d270C) mg/L 112 IS 3025 (Part-44) 7 Chemical Oxygen Demand(BOD3d270C) mg/L 91.5 APHA 5220-B 9 Turbidity mg/L 625.9 APHA 3500 (Ca)-B 9 Turbidity mg/L 62.9 APHA 3500 (Ca)-B 10 Totat Handness (CBCO3) MTU 7.26 APHA 4230-C 11 Dissolved Oxygen(DO) mg/L 229.3 APHA 4500 (O)-C 12 Anionic Detregent(MBAS) mg/L 20.9 APHA 4500 (O)-C 13 Magnesium (Mg) mg/L 20.9 APHA 4500 (O)-C 14 Chonde.(Cl) mg/L 20.9 APHA 4500 (O)-C 15 Conductivity mg/L 20.9 APHA 4500 (C)-1B 16 Nitrate_(N3) mg/L 90.4 APHA 4500 (N3)-B 17 Subphate_(SCA) mg/L 90.4 APHA 4500 (| | \$0 | | | | the second se | APHA 2550-B | - va magi uj- d |
| 5 Total Dissolved Solids (TDS) -7.32 APHA 4500-H+ 6 Biclogical Oxygen Demand(BOD3d270C) mg/L 625.9 APHA 2540-C 7 Chemical Oxygen Demand (COD) mg/L 11.2 IIS 3025 (Part.44) 8 Calcium, (Ca) mg/L 91.5 APHA 5220-D 9 Turbliny mg/L 62.9 APHA 3500 (Ca)-B 10 Tatal Hardness (CaCO3) mg/L 62.9 APHA 4500.0 11 Dissolved Oxygen(DO) mg/L 26.3 APHA 4500.0 12 Anionic Detergent (MBAS) mg/L 20.3 APHA 4500.0 13 Magnesium, (Mg) mg/L 20.3 APHA 4500.0 14 Chiorde (CI) mg/L 20.3 APHA 4500.0 15 Conductivity mg/L 20.3 APHA 4500.0 16 Nitrate (NO3) mg/L 20.3 APHA 4500.0 17 Subphate (SC4) mg/L 3.67 APHA 4500.0 18 Potassum, (K) mg/L 9.0 APHA 4500.0 APHA 4500.0 19 Fluoride (F) mg/L | | | | ····· | Hazen | | APHA 2120-8 | **** |
| 6 Biclogical Oxygen Demand(BOD36270C) Ing/L 525.9 APHA 2540-C 7 Chemical Oxygen Demand(COD) mg/L 11.2 IS: 3025 (Part-44) 8 Calckim,(Ca) mg/L 11.2 IS: 3025 (Part-44) 9 Turbitiny mg/L 21.5 APHA 5220-D 9 Turbitiny mg/L 22.9 APHA 3500 (Ca)-B 10 Total Hardness (CaCO3) mg/L 22.9.3 APHA 230-C 11 Dissolved Oxygen(DO) mg/L 6.48 APHA 230-C 12 Anionic Detergent(MBAS) mg/L < 0.01 APHA 3500 (O)-C 13 Magnesium, (Mg) mg/L < 0.01 APHA 4500 (O)-C 14 Chiorde, (Cl) mg/L < 0.01 APHA 4500 (NC3.)-B 15 Conductivity gis/m 934.1 APHA 4500 (NC3.)-B 16 Nitrate, (NO3) mg/L 934.1 APHA 4500 (NC3.)-B 17 Sulphate (SC4) mg/L 934.1 APHA 4500 (NC3.)-B 18 Polassourk (K) mg/L 934.1 APHA 4500 (NC3.)-B 18 | | | | | -15 | | | |
| 8 Calcium.(Ca) mg/L 91.5 APHA 5220-B 9 Turbidity mg/L 62.9 APHA 3300 (Ca)-B 10 Total Handness (CaCO3) MFU 7.28 APHA 2130-B 11 Dissolved Oxygen(DD) mg/L 229.3 APHA 2340-C 12 Anionic Detergent (MBAS) mg/L 6.48 APHA 3500 (O)-C 13 Magnesium (Mg) mg/L <0.01 | | 1 | Biological Oxygen Demandr British | 270C) | | | APHA 2540-C | |
| 9 Turbidity mg/L 62.9 APHA 3500 (Ca)-B 10 Total Hardness (CsCO3) mg/L 229.3 APHA 2130-B 11 Dissolved Oxygen(DO) mg/L 229.3 APHA 250-C 12 Anionic Detergent (MBAS) mg/L 6.48 APHA 3500 (O)-C 13 Magnesium (Mg) mg/L <0.01 | | | Chemical Oxygen Demand,(COD) | | | | APHA 5220-B | |
| 10 Dissolved Dxygen(DO) mg/L 223.3 APHA 2340.C 11 Dissolved Dxygen(DO) mg/L 6.43 APHA 2340.C 12 Anionic Defergent (MBAS) mg/L <0.01 | | 9 | Turbldity | | the second se | | APHA 3500 (Ca)-8 | |
| 11 District Orage((D)) mg/L 6.48 APHA 4500(O)-C 13 Magnesium (Mg) mg/L <0.01 | | J | Total Hardness (CaCO3) | | | | | ***** |
| 13 Magnesium (Mg) mg/L < 0.01 APHA 5540-C 14 Chionde, (Ci) mg/L 20.9 APHA 3500 (Mg)-B 15 Conductivity mg/L 62.9 APHA 4500 (Ci-)-B 16 Nitrate, (NO3) isicm 934.1 APHA 2500 (Ci-)-B 17 Sulphate, (SC4) mg/L 3.67 APHA 4500 (RO3-)-B 18 Potassum, (K) mg/L 90.4 APHA 4500 (SO4)-E 19 Fluoride, (F) mg/L 13.8 APHA 4500 (SO4)-E 20 Chiomum, (Cr-6.) mg/L 0.22 APHA 4500 (Ci-)-D 21 Cyanide, (CN) mg/L <0.01 | | | Anionic Detergent (MRAS) | | ····· | | | |
| 15 Conductivity ng/L 62.9 APHA 4500 (C) + B 16 Nitrate (NO3) js/cm 934.1 APHA 4500 (C) + B 17 Sulphate (SO4) mg/L 3.57 APHA 4500 (NO3 -) B 18 Potassium (K) mg/L 90.4 APHA 4500 (SO4) -E 19 Fluoride (F) mg/L 13.8 APHA 4500 (SO4) -E 20 Chromium (C(-6.) mg/L 0.22 APHA 4500 (F) -PD 21 Cyanide (CN) mg/L <0.01 | | | Magnesium (Mg) | | | the second s | APHA 5540-C | |
| 16 Constrainty jsicm 934.1 APHA 2510-B 16 Mitrate (NO3) mg/L 3.57 APHA 4500 (NO3-)-B 17 Sulphate (SO4) mg/L 90.4 APHA 4500 (NO3-)-B 18 Potassoum (K) mg/L 90.4 APHA 4500 (SO4)-E 19 Fluoride (F) mg/L 13.8 APHA-3120B 20 Citromum, (Cr-6.) mg/L 0.22 APHA 4500 (Cr)-D 21 Cyanide (CN) mg/L <0.01 | | | and the second sec | • | ······································ | | APHA 3500. (Mg)-8 | |
| 17 Sulphate.(SO4) mg/L 3.57 APHA 4500.(NO3.)-B 18 Potassium.(K) mg/L 90.4 APHA 4500.(NO3.)-B 19 Fluonde.(F) mg/L 13.8 APHA 4500.(SO4)-E 20 Cluomium.(Cr-6.) mg/L 0.22 APHA 4500.(F-)-D 21 Cyanide.(CN) mg/L <0.01 | | | | | Contraction of the local division of the loc | | APHA 2510-8 | imini. |
| 19 Fluoride.(F) mg/L 13.8 AF!HA.3120B 20 Chromum.(Cr+6.) mg/L 0.22 AP!HA.4500 (F)-D 21 Cyanide.(CN) mg/L <0.01 | | | Sulphate (SC4) | | 2 | the second se | APHA 4500.(NO3-)-8 | |
| 20 Chronium.(Cr+6.) mg/L 0.22 APHA 4500/(F)-D 21 Cyanide.(CN) mg/L < 0.01 | | | | ······ | | Commentation of the local division of the lo | APHA 4500 (SO4)-E | |
| 21 Cyanide.(CN) mg/L < 0.01 | | 20 | Chromium, (Cr=5) | | ាជ្ជវ័ | The second se | APHA 4500 (F-)-D | |
| 23 Sodium,(Na) mg/L < 0.01 APHA 31203 24 Copper,(CU) mg/L 91.5 APHA-31203 25 Iron (Fe) mg/L < 0.01 | | 21 | Cyanide,(CN) | | | | APHA 3500 (CI)-8 | |
| 24 Copper,(Cu) mg/L 91.5 APHA-31209 25 Iron.(Fe) mg/L < 0.01 | | 23 | Sodium (Na) | ····· | | | APHA 4500 (CN-)-D | |
| 25 Iron.(Fe) mg/L < 0.01 APHA 3120B 26 Boron.(B) mg/L 0.15 APHA-3120B 27 Zinc.(Zn) mg/L < 0.01 | 1 | | | | mg/L | | APHA-31208 | |
| 27 Zinc.(Zn) mgA < 0.01 APHA 4500.(B)-C 28 Manganese.(Mn) mg/L < 0.01 | | | | | | | APHA 3120B | |
| 28 Manganese.(Mn) mg/L < 0.01 APHA-3120B 29 Phenotic Compound.(C6H5OH) mg/L < 0.01 | ŀ | | | ······································ | and the second se | < 0.01 | APHA 4500 (B)-C | |
| 30 Mineral Oil (CUH3CH) mg/L < 0.001 APHA 5530-C | Ļ | 28 | Manganese,(Mn) | | Concerns and Announcements | < 0.01 | APHA-31208 | 1 |
| | ŀ | 29 30 | Phenolio Compound (C6H5OH) Vineral Od | | ····· | | | |
| | Į. | 11. | Stal Coliform Count | ······································ | ៣ g /፲ | < 0.5 | AFRA 55.00-C 15 3025 (Part-39) | - |
| 32 - Petal Coliform (FC) MPN/100mL > 1600 IS 1622 | | 32 | eval Coliform (FC) | | MPN/100mL | > 1600 | IS 1622 | 4 |
| Notes HECKED BY | · / · · · · · · · · · · · · · · · · · · | лк емү | IRCE-TECH SERVICES | | Isbocatory. | <u>> 1600 </u> | FOF ENVIRON | 1 * T = 0 |

constant from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

ĺ





ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: ets.db2012@gmail.com | Website www.etslab.in | Ph 9911510076 9811736063



22.03.2023 DATE OF REPORT:



Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

TEST REPORT NO.:

ETS/2023/03/423

ETS-LAB

15.03.2023 17.03.2023 21.03.2023 **ETS/TP-123** ETS STAFF SURFACE WATER SW-3;Dudhola Pond, (Lat. - 28°12'29.15"N;Long. - 77°15'59.05"E)

Sampling Method Sample Quantity Packing Condition Packed In

ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Test Parameter | Unit | Result | Test Method |
|--------|-------------------------------------|--|-------------------------|--|
| | Temperature | 00 | 26.7 | APHA 2550-B |
| 1 | Colour | Hazen | 6.28 | APHA 2120-B |
| 2 | | | Odourless | APHA 2150-B |
| | Odour | | 7.37 | APHA 4500-H+ |
| 4 | pH Total Dissolved Solids.(TDS) | mg/L | 652.2 | APHA 2540 C |
| 5 | Biological Dxygen Demand(BOD3d270C) | mg/L. | 7.4 | IS: 3025 (Part-44) |
| 6 | Biological Dayger Demand (COC) | mg/L | 84.8 | APHA 5220-B |
| 7 | Chemical Oxygen Damand (COD) | mg/L | 51.3 | APHA 3500 (Ca)-B |
| B | Calcium,(Ca) | NTU | 5 28 | APHA 2130-B |
| 9 | Turbidity | ······································ | 200.9 | APHA 2340-C |
| 10 | Total Hardness (CaCO3) | mg/L mg/L | 5.28 | APHA 4500.(Q)-C |
| | Dissolved Oxygen(DO) | | < 0.01 | APHA 5540-C |
| 12 | Anionic Detergent, (MBAS) | mg/i | 17 47 | APHA 3500.(Mg)-8 |
| 13 | Magnesium (Mg) | mg/l | 61.3 | APHA 4500 (CI-)-8 |
| 14 | Chloride (CI) | mgiL | A CONTRACTOR OF ALL AND | APHA 2510-8 |
| 15 | Conductivity | pe/cm | 988 3 | APHA 4500:(NO3-j-B |
| 16 | Ntrate.(NO3) | rng/L | 2.91 | APHA 4500 (SO4)-E |
| 17 | Sulphate,(SO4) | mgA | 73.7 | A second se |
| 18 | Polessium.(K) | mg/L | 14.6 | APHA-31208 |
| 19 | Fluoride,(F) | mg/L | 0.24 | APHA 4500 (F-)-D |
| 20 | Chromum (C+6) | mg/L | < 0.01 | APHA 3500 (Cr)-8 |
| 21 | Cyanide.(CN) | mg/L | N.D. | APHA 4500: (CN-)-D |
| 22 | Cadmium (Cd) | mg/L | < 0.01 | АРНА 31206 |
| 23 | Sodium (Na) | mg/L | 87.7 | APHA-31208 |
| 24 | Copper.(Cu) | mg/L | < 0.01 | APHA 3120B |
| 25 | (Iron (Fo) | mg/L | 0.21 | APHA-3120B |
| 26 | Boron (B) | mg/L | < 0.01 | APHA 4500:(8)-C |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | APHA-3120B |
| 28 | Manganese (Mo) | mgr. | < 0.01 | APHA-3120B |
| 29 | Phenolic Compound,(C6H\$OH) | mg/L | < 0.001 | APHA 5530-C |
| 30 | Maneral Of | nig/L | < 0.5 | IS 3025 (Part-39) |
| 31 | Total Coliform Count | MPN/100mL | > 1600 | 15 1622 |
| 32 | - (Fecal Coliform (FC) | MPN/100mL | > 1600 | 15 1622 For ENVIRO |

FOR ENVIRONTECH SERVICES

ECH SERVICES *End of Test Report

TAD HUMRAJ

authorized signalory

Note CHECKED B HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Peristable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the taboratory. Generated from eoffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| n | EN | IVIR0-7 | ECH | SE | RVICES | |
|--|--|--|--|--|---------------------------|------------------|
| AR | | | | | Analytical Laboratory | |
| <u>(11)</u> | | (A GOVERN | MENT APP | | . , | ISO 45 |
| TS-LAB | Dict No. 1 | • | | | aziabad (U.P.) - 20100 | 4 |
| | | | | | | |
| ~~~~ | eman : etsiabzuh. | Z@gmail.com ¥¥eb | site : www.ei | islap,in | Ph.: 9911516076, 9811 | 736063 |
| | | | | | | |
| -7452 | | TE | ST REP | PORT | | |
| TEST | REPORT NO .: ETS | S/2023/03/424 | | | | |
| 1,001 | | #2UZJIY# # 24 | | | DATE OF REPO | RT: 22.03.2023 |
| | 1 | WATER SAMP | | | DEDODT | |
| | | | | | I NEFURI | |
| Name | e And Address of C | | orompt Enter | prises Pvt | Ltd , Village Dhatir & Du | idhola, Tehsil & |
| | | District Pa | ilwal, Haryan | 8 | - | • • • • • |
| | | | | | | |
| Data | of Sampling | 15 00 000 | 0 | | | |
| | sis Start Date | 15.03.202 | | | | |
| | sis End Date | 17.03.202 | | | | |
| | | 21.03.202 | | | | |
| | le ID No | ETS/TP-12 | | | | |
| | ling Done By | ETS STAF | | | | |
| | ling Description | SURFACE | WATER | | | |
| Samp | ing Location | S₩-4,Poki | har wala Mad | dir Pond.(L | al 28°12'18.94"N Long | 3 - |
| | | 77°13'37.6 | 3"E) | | ····· | p > |
| | ling Method | ETS/STPA | WATER-02 | | | |
| | le Quantity | 2.0 + 0.5 L | tr | | | |
| Packi | ng Condition | SEALED | | | | |
| Packe | ed In | | D GLASS BO |)TTI F | | |
| 1 <u></u> | | | | | | |
| S. No. | | Parameter | Unit | Result | Test Method | |
| 2 | Temperature IColour | | 0 C | 25:4 | APHA 2550-B | |
| | Odour | ······································ | Hazen | 7 28 | APHA 2120-8 | |
| 4 | | Hite | | Construction of the second | APHA 2150-B | |
| 5 | Total Dissolved Solids, | (108) | | 7.30 | APHA 4500-144 | |
| the second s | Biological Oxygen Dem | | mg/L | 587.7 | APHA 2540-C | |
| 7 | Chemical Oxygen Dem | | mg/L. | | 18: 3025 (Part-44) | |
| 8 | Calcium,(Ca) | | <u>៣០/L</u> | 986 | APHA 5220-B | |
| 9 | Turbidity | | ng/L NTU | 55.3 | APHA 3500.(Ca)-B | ~~~ |
| | Total Hardness (CaCO) | J) | and the second s | 7.28 | APHA 2130-B | _ |
| 10 | Dissolved Oxygen(DO) | | mg/L mg/L | - <u>.</u> | APHA 2340-C | |
| | | | 3 1014 | 3 4 00 . | APHA 4500:(O)-C | |
| 11 12 | Anionic Detergent, (MB) | | | 0.04 | ADUA READ C | |
| 11 12 13 | Anionic Detergent, (MB) Magnesium, (Mg) | | mg/i. | | АРНА 5540-C | |
| 11 12 13 14 | Anionic Detergent, (MB) Magnesium, (Mg) Chlaride, (Ci) | | mg/t mg/t | 39.2 | APHA 3500 (Mg)-8 | |
| 11 12 13 14 15 | Anionic Detergent, (MB) Magnesium, (Mg) | | mg/i. | 39.2 55.3 | | |

mg/L

πγγL

ണ്ടുപ്

mg/L

mg/L

angrit

mg/L

mg/

mg/L

mgA

mgA_

mgA

mBy?

mg/L

MPN/100mL

MPN/100mL

79.5

11.7

0.29

< 0.01

ND.

< 0.01

96.4

< 0.01

0.25

< 0.01

< 0.01

< 0.01

< 0.001

< 0.5

> 1600

> 1600

APHA 4500 (SO4)-E

APHA 4500 (F-)-D

APHA 3500 (Cr)-B

APHA 4500 (CN-)-D

APHA-31205

APHA 31208

APHA-31208

APHA 31208

APHA-3120B

APHA-31208

APHA-31208

APHA 5530-C

18 1622

IS 1622

IS 3025 (Part-39)

APHA 4500 (8)-C

Fecal Coldorm (FC) POR ENVIRO TECH SERVICES

Sulphate,(SO4)

Chromium,(Cr+6)

Potassium,(K)

Cyanide,(CN)

jCadmlum,(Cd)

Sodium, (Na)

Copper,{Cu}

Manganeee,(Mn)

Total Coliform Count

Phenolic Compound.(C6H6OH)

Iron (Fe)

Boron,(B)

Zinc,(Zn)

Mineral Oil

Fluoride,(F)

17

18

19

20

21

22

23

24

25

26

27

28

29

30

34

32

Note the CHECKED BY 2. The vestilis indicated only refer to the tested samples and listed applicable parameters,

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only,

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior weithen permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIDE Test Hebdre WIL

AUTHORIZED SIGNATOR

Quality Manager

| No. | HSPCB-06 | 0001(0014)/12 | 2/2023-SOLI | <u>D WASTE MA</u> | NAGEM | IENT_CELL-HSPCB | <u>(Computer No.</u> | 1 ¹⁰⁴⁵ |
|-----------|---|---|-----------------------|---|------------------------------|---|--|-------------------|
| | TS-LAB | EN | (A GOVE | RNMENT APPR | طم ب /∪OVED L rea, Gha | RVICES Analylical Laborstory AB) tiabad (U.P.) - 201001 Ph.: 9911516076, 9811/30 | 6 1 1 1 1 1 1 1 1 1 1 | |
| - | | EPORT NO.: ETS# | | TEST REPO | | DATE OF REPORT: | | |
| . | | v | VATER SA | MPLE ANAL | YSIS | REPORT | | |
| L. | Name | | stomer | | | id , Village Dhatir & Dudh | ola, Tehs∥& | |
| | Analys Analys Sampl Sampl Sampl | f Sampling is Start Date is End Date e ID No ing Done By ing Description ing Location | ETS S SURF SW-5 | .2023 2023 IP-125 STAFF FACE WATER Nallah-upstream , | (Lat 28°1 | 12'23.76''N,Long 77°15'3 | 1.68°E) | |
| L L | Sampl | ling Method le Quantity ng Condition id In | 2.0 + SEAL | STP/WATER-02 0.5 Ltr .ED 2. AND GLASS BOT | ITLE | | - | : |
| | S. No. | Test | Parameter | Unit | Result | Test Method | | |
| L. | 1 | Temperature | | oC | 266 | АРНА 2550-В | 4 | |
| | 2 | Colour | | Наzen | 5.28 | АРНА 2120-В | 4 | |
| | 3 | Cdour | | | | APHA 2150-8 | - | |
| - | 4 | рн | | | 7.34 | APHA 4500-H+ APHA 2540-C | -4 | |
| l | h | Total Dissolved Solids, | (TDS) | mg/L | | IS: 3025 (Pan-44) | ** | |
| L | 6 | Biological Oxygen Der | nano(BOD302/UG) | <u>ரூஜ/L</u> ரூஜ/L | 135.8 | APHA 5220-B | 1 | |
| í | 7 | Chemical Oxygen Dem | ano,(COO} | | 110.1 | АРНА 3500.(Са)-В | · | |
| L | 8 | Calcium (Ca) | ~ | NTU | 7.28 | APHA 2130-8 | 1 | |
| | 9 | Turbidity Total Hardness (CaCC | 13) | mp/L | 340.7 | APHA 2340-C | | |
| ł | 10 | Dissolved Oxygen(DO | | | 7.92 | APHA 4500 (O)-C | | |
| ۹. | 11 | Anionic Detergent (ME | | mg/L | < 0.01 | АРНА 5540-С | | |
| 1 | 13 | Magnesium.(Mg) | | mg/L | 58.3 | APHA 3500:(Mg)-B | | |
| L | 14 | Chlonde,(Cl) | | mg/L. | 72.2 | APHA 4500:(Cl-)-B | _ | ÷ |
| | 15 | Conductivity | | µs/cm | 1525.6 | APHA 2510-8 | | |
| 1 | 16 | Nitrate, (NO3) | | mg/L | 3.77 | APHA 4500:(NO3-)-B | | |
| - | | Subbate (SO4) | | mc/L | 137,3 | APHA 4500 (SO4)-E | | |

Lazi Recal Coliform (FC) Ś FOR ENVIRO- TECH SERVICES

Mineral Oil

Sulphate.(SO4)

Chromium.(Cr+6.)

Potassium.(K)

Fluoride,(F)

Cyanide,(CN)

Sod)um.(Na)

Copper (Cu)

Iron.(Fe)

Boron (B)

Zinc (Zn)

Manganese,(Mn)

Total Coliform Count

Cadmium.(Cd)

17

18

19

20

21

22

23

24

25

26

27

26

29

30

31

Notes

l

Notes CHECKED BY

2. The results folicated only refer to the tested samples and listed applicable parameters. 3. No computer will be entertained if received after 7 days of issue of test report.

Phenoiic Compound, (C6H5OH)

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Peristable sample shall be destroyed immediately after issue of test report.

6. This text report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory,

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

FOR ENVIRONTECH SERVICES ""*** End of Test Report

APHA 4500 (F-)-D

APHA 3500:(Cr)-B

APHA 4500:(CN-)-D

API-A-31208

AP#4A 3120B

APHA-31208

APHA 31208

APHA-31208

APHA-31200

APHA-3120B

APHA 5530-C

15 1622

JIS 1622

IS 3025 (Part-39)

APHA 4500.(B)-C

16.00

0.28

< 0.01

N.D.

< 0.01

133.6

< 0,01

0.49

< 0.01

< 0.01

< 0.01

< 0.001

< 0.5

> 1600

> 1600

mg/L

mg/l.

mg/L

mg/L

πg/L

mgfi.

നുവ

mg/L

mg/L

mg/L

mg/l_

mg/i.

mg/L

mg/L

MPM/100mL

MPN/100mL

AUTHORIZED SCHATORY MDI

e No. <u>HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT</u> CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br ENVIRO-TECH SERVICES An Analytical Palaratory ISO 45001 (A GOVERNMENT APPROVED LAB) Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email : etslab2012@gmail.com [Website : www.etslab.in [Ph.: 9911516076, 9811736063 TEST REPORT EST REPORT NO.: ETS/2023/03/426 DATE OF REPORT: 22.03.2023 WATER SAMPLE ANALYSIS REPORT Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Harvana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sample ID No. ETS/TP-126 Sampling Done By **ETS STAFF** Sampling Description SURFACE WATER Sampling Location SW-6;Nallah-down stream ,(Lat.- 28°12'2.34"N:Long.- 77°15'38.96"E) Sampling Method ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packing Condition SEALED Packed In P.V.C. AND GLASS BOTTLE S. No. **Test Parameter** Unit Result **Test Method** Temperature DC 26.7 APHA 2550 B Colour 2 Hazen 7 28 APHA 2120-B Odour 3 Occurless APHA 2150-B 4 DH APHA 4500-H+ 7 37 Total Dissolved Solids (TDS) 5 mgA, 1057.6 APHA 2540-C Biological Oxygen Demand(BOD3d270C) 8 52.C mpA IS: 3025 (Part-44) Chemical Orygen Demand (COD) 7 210.0 APHA 5220-B

mg/L Calcium (Ca) Ř 111.8 APHA 3500.(Ca)-8 mg/L 9 Turbidity NTU 8.28 APHA 2130-B 10 Total Hardness (CaCO3) APHA 2340-C mg/l. 346 1 Dissolved Oxygen(DO) 11 mg/L 9.48 APHA 4500.(O)-C Anionic Detergent (MBAS) 12 ៣៨ឃ្ < 0.01 APHA 5540-C Magnesium.(Mg) 13 62.2 APHA 3500 (Mg)-B тgЛ. 14 Chloride.(CI) 77.5 APHA 4500 (CI-)-8 mg/L 15 Conductivity APHA 2510-8 1527.1 µs/cm Nitrate (NO3) 16 4.07 APHA 4500.(NO3-)-B mg/L 17 Sulphate (SO4) APHA 4500 (SO4)-E тg/L 153.2 Potassium,(K) 18 mg/L 25.7 APHA-31208 19 Fluoride (F) APHA 4500 (F-)-D 0.39 mg/L 20 Chromium (Cr+6) mg/L < 0.01 APHA 3500 (Cr)-8 Cyanide.(CN) 21 APHA 4500 (CN-)-D <u>σι</u>g/L, ND. 22 Cedmum.(Cd) < 0 01 APHA 3120B mg/L 23 Sodium (Na) mg/L 146.7 APHA-31208 24 Copper_(Cu) APHA 3120B mg/L < 0.01 25 l/on,(Fe) 0.67 APHA-3120B mg/L Boron (B) 26 APHA 4500 (8)-C mg/L < 0.01 Zine,(Zn) 27 mg/L < 0.01 APHA-31208 28 Manganese,(Mn) < 0.01 APHA-31208 mg/(_ 29 Phenolic Compound, (C6H5OH) < 0.001 APHA 553G-C mg/L 30. Mineral Oil IS 3025 (Part-39) < 05 mg/L 31 E Total Coliform Count IS 1622 MPN/100mL > 1600 22 |Fecal Coliform (FC) MPN/100mL > 1600

FOR ENVIRO- TECH SERVICES 11

Note: 11+

Note: CHECKED BY

- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our flability is fimited to invoice value only.

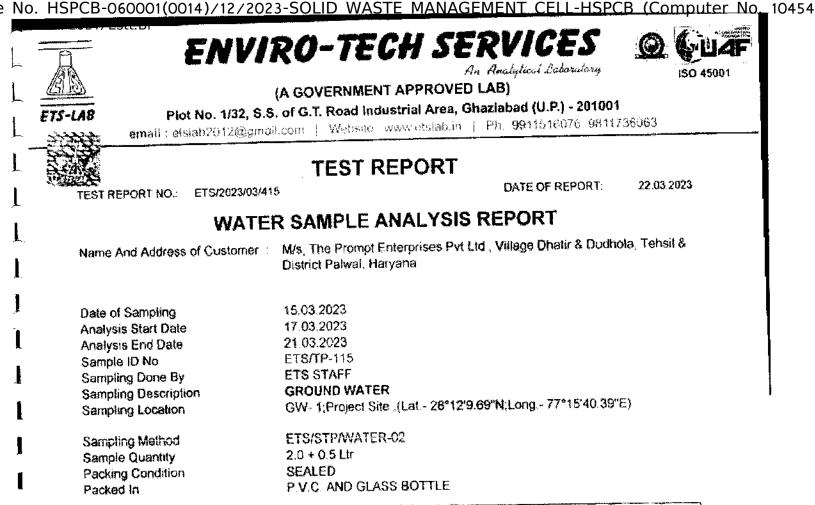
5. The sample shall be destroyed after 15 days & Blological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

TH Sec *End of Test Report





| 5. No. | Test Parameter | Unit | Result | Specifica (As per IS:1) | | Test Method |
|--------|-----------------------------|--|-----------|----------------------------|---------------------|---------------------|
| | | | Ì | Desirable | Permissible | |
| 4 | Temperature | υC | 28.5 | Not Specified | Not Specified | APHA 2550-B |
| 2 | Colour | Hazen | <5.0 | 5 | 15 | APHA 2120 B |
| 3 | Odour | Quasarve | Agreestie | Ag:eeable | Agreeable | APHA 2150-8 |
| 4 | Taste | Qualtative | Agreeable | Agreeable | Agreeable | APHA 2160-C |
| 5 | pH | ······································ | 7.33 | 6.5 - 6.5 | No relaxation | APHA 4500 H- |
| e | Turbdity | NTU | <1.0 | 1 | 5 | APHA 2130-B |
| 7 | Total Deserved Solids.(TUS) | mgA | 403.2 | 500 | 2000 | APHA 2540-C |
| 8 | (Fluoride.(F) | mgA. | 0.16 | 1 | 1.5 | APHA 4500:(F-)-D |
| 8 | Total Alkalinity (CeCO3) | 15 g.A. | 183,3 | 200 | 600 | APHA 2320-8 |
| 10 | Total Hardness (CaCO3) | myt | 1173 | 200 | 600 | APHA 2340-C |
| 11 | Calcium (Ca) | mgi | 40.8 | 75 | 200 | APHA 3500 (Ca)-I |
| 12 | Chloride (Cl) | mgs | 74,8 | 250 | 1000 | APHA 4500 (CI-)-I |
| 13 | Magnesium (Mg) | mgA. | 3.65 | 30 | 100 | APHA 3500 (Mg)- |
| 14 | Nature (NO3) | ាល្អំ | 1.26 | 45 | No relaxation | AP144 4500 (NO3-)-I |
| 15 | Subhate (SO4) | angA. | 52.2 | 200 | 400 | APHA 4500 (504)- |
| 16 | (Boron (B) | mg/L | < 0.01 | 0.5 | 1 | APHA 4500 (B)-C |
| 17 | (Auminium (Ai) | | < 0.01 | 0.03 | 02 | APHA-31208 |
| 18 | Ansenic (As) | mg/L | < 0.01 | 0.01 | No relaction | APHA 3120B |
| 19 | Cadmium (Cd) | mg/L | < 0.001 | 0.003 | No relaxation | APHA 3120B |
| 20 | Chromium (Cr) | mg/l. | < 0.01 | 0.05 | No relaxation | APHA-31208 |
| 21 | Copper (Cu) | mgrl | < 0.01 | 0.05 | 15 | APHA 31208 |
| 22 | Iron, (Fe) | mgʻL | × 0 05 | 1 | No relaxation | APHA-31208 |
| 23 | Lead (Pb) | ng4. | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| 24 | Manganese,(Mo) | ugA | < 9 01 | 01 | 0.3 | APHA-31208 |
| 25 | Mercury.(Hg) | | - 0 D01 | 0.001 | No relaxation | APHA 3114C |
| 26 | Scienium (Se) | mgt | < () 01 | 0.01 | No relevation | APHA-31205 |
| 27 | Zinc.(Zn) | mg/i | < 0.01 | 5 | 15 | APHA 3120R |
| 28 | Anionic Detergent (MBAS) | | ~ 0.01 | 0.2 | 1 | APHA 5540-C |
| 29 | Mineral Oł | mgiL | < 0.5 | 6.5 | ี่ พี่มี เพิ่มเสโตก | 18 3025 (Part 39) |
| 30- | Phenolic Compound (C6H5OH) | mg/L | < 0.001 | 0.001 | 0.002 | APHA 5530-C |
| 31 | Concernation | μείαπε | 632,9 | Not Specified | Not Specified | APHA 2510-8 |
| 32 | Tetal Count | per 100mL | Absent | Shall not t | e detectable | IS 15185 |
| 33 | Escheights coi | per 100mL | Absent | | e detectable | IS 15185 |

R ENVIRES TECH SERVICES

Beigent ETS LAB HOLOGRAM are not issued by our laboratury.

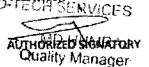
is the state only refer to the tested samples and listed applicable parameters.

3. No complaint will be extertained if received after 7 days of issue of test report.

4. Our liability is limited to invoke value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the informatory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



| 11 | <u> </u> | ENVI | RO-TEC | H SE | FRVI | CES | Q () |
|-------|--|--|---|---|---|--|---|
| 倉 | | | - # | | An Analytica | | ISO 4 |
| | <u>n</u> | I | (A GOVERNMENT / | PPROVE | D LAB) | | |
| ETS-L | A 8 | | . of G.T. Road Indust | | | | |
| | | email : etslab2012@gmail | Loom Website : ww | w.etslab in | Ph:9911 | 516076, 981 | 1736063 |
| -35 | 87 | | endage | | | | <u> </u> |
| 新 | S. | | TEST RI | EPORT | • | | |
| | EST P | REPORT NO .: ETS/2023/03/4 | 16 | | DAT | e of report | 22.03.2023 |
| | | WATE | R SAMPLE A | | IS REPO | RT | |
| | Nama | And Address of Customer | | | · · · · · | | dhala Taball 9 |
| | LACIST (C | And Mulless of Castolia | M/s, The Prompt En District Palwal, Hary | | 41 ដល់, ម៉ាងឡឹ វ | a fwiani & rw | lanoia, i ensit & |
| | | | • | | | | |
| | Dete 4 | of Sampling | 15 02 0000 | | | | |
| | | sis Start Date | 15.03.2023 17.03.2023 | | | | |
| | * | sis End Date | 21.03.2023 | | | | |
| | | le ID No | ETS/TP-116 | | | | |
| | • | ling Done By | ETS STAFF | | | | |
| | | ling Description | GW- 2 Shri Vieberat | arma Child | frigenerites It - | | 5 DIN 1.1 |
| | oompi | | GW- 2;Shri Vishwal 77°17'13.80'E) | anna oria i | oniversity.(La | at 28111155. | 53"N;Long - |
| | | ling Method | ETS/STP/WATER-C | 2 | | | |
| | • | le Quantity | 2.0 + 0.5 Ltr | | | | |
| | Packir Packe | ng Condition | SEALED | | | | |
| | L. CI PUV (5 | | | | | | |
| | | | P V.C. AND GLASS | BOTTLE | | | |
| | S. No. | Test Paramete | | Result | (As per IS:1 | ation/Limit (0500: 2012) | Test Method |
| | 1 | 7 emperature | r Unit | Result | (As per IS:1 Desirable Not Specified | 10500: 2012) Permissible Not Specified | APHA 2550-B |
| | 1 2 3 | 7 emperature Colour Odour | r Unit | 26 3 | (As per IS:1 Desirable Not Specified 5 | Permissible Nat Specified 15 | АРНА 2550-8 АРНА 2120-8 |
| | 1 2 3 4 | 7 cmperature Colour | r Unit o C Hazer | Result 263 <5.0 re Agrecable re Agrecable | (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable | 19500: 2012) Permissible Not Specified 15 Agreeable Agreeable | АРНА 2050-8 АРНА 2120-8 АРТА 2150-8 АРТА 2160-С |
| | 1 2 3 4 5 8 | Temperature Colour Odour Tasto pH Tutbdty | r Unit | Result 26.3 <5.0 re Agracable | (As per IS:1 Desirable Not Specified 5 Agreeable | Permissible Not Specified 15 Agreeable Agreeable No restation | АРНА 2050-8 АРНА 2120-8 АРТА 2120-8 АРТА 2160-С АРНА 2160-С АРНА 4500-Н# |
| | 1 2 3 4 5 5 7 | Temperature Colour Odour Tasto pH Turbdty Total Dissolved Solids.(TDS) | r Unit o.C Hazer Qualitati Ouraitati | Result 26 3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 8.5 - 8.5 1 500 | 19500: 2012) Permissible Not Specified 15 Agreeable Agreeable | АРНА 2050-8 АРНА 2120-8 АРТА 2150-8 АРТА 2160-С |
| | 1 2 3 4 5 8 | Temperature Colour Odour Tasto pH Tutbdty | r Unit o C Hazer Qualitati Qualitati NTU mg/L mg/L | Result 26 3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5 - 8,5 1 500 | 10500: 2012) Permissible Not Specified 15 Agreeable Agreeable No restation 5 2000 1.5 | АРНА 2050-8 АРНА 2120-8 АРТА 2120-8 АРТА 2160-С АРНА 2160-С АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С |
| | 1 2 3 4 5 5 5 7 6 9 10 | Femperature Colour Odour Tasto pH Turbecty Total Dissolved Solids (TDS) Fluorde (F) Total Alkalinity (CaCO3) Total Hardness (CaCO3) | r Unit o.C Hazer Qualitati Ouraitati | Result 26 3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5 - 8,5 1 500 1 200 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable No researing 5 2000 1.5 600 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 4500 (F-)-D АРНА 2320-8 |
| | 1 2 3 4 5 5 5 7 6 9 10 11 | Temperature Colour Odour Tasto pH Turbidty Total Dissolved Solids.(TDS) Fluoride.(F) Total Atkalinity.(CaCO3) Total Hadness.(CaCO3) Calcium.(Ca) | r Unit | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6.5 - 8.5 1 500 1 200 200 75 | 10500: 2012) Permissible Not Specified 15 Agreeable Agreeable No restation 5 2000 1.5 | АРНА 2050-8 АРНА 2120-8 АРТА 2120-8 АРТА 2160-С АРНА 2160-С АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С |
| | 1 2 3 4 5 5 7 6 9 10 11 12 | Femperature Colour Odour Tasto pH Turbecty Total Dissolved Solids (TDS) Fluorde (F) Total Alkalinity (CaCO3) Total Hardness (CaCO3) | r Unit | Result 263 <50 | (As per IS:1 Desirable Not Specified 5 Agreeable 6.5 - 8.5 1 500 1 200 200 75 250 | 0500: 2012 } Permissible Not Specified 15 Agreeable Agreeable 15 2000 1.5 600 600 200 100 | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-14 АРНА 230-8 АРНА 2540-С АРНА 2540-С АРНА 2320-8 АРНА 2540-С АРНА 2500-С АРНА 2500-С АРНА 2500-С АРНА 2500-С АРНА 2500-С АРНА 2500-С |
| | 1 2 3 4 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 7 emperature Colour Odour Tasto pH Tubedty Total Dissolved Solids.(TDS) Fluorde.(F) Total Atlainity.(CeCO3) Total Hardness.(CaCO3) Calcum.(Ca) Chorde.(C) Magnesum.(Mg) Atlate.(NO3.) | r Unit | Result 263 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6.5 - 8.5 1 500 1 200 200 75 250 30 | 0500: 2012 } Permissible Not Specified 15 Agreeable Agreeable No restation 5 2000 1.5 600 600 200 1000 100 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 2160-С АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2320-8 АРНА 3500 (Са)-8 |
| | 1 2 3 4 5 8 7 7 8 9 10 11 12 13 14 15 | 7 emperature Colour Odour Tasto pH Tutbdty Total Dissolved Solids.(TDS) Fluorde.(F) Total Hardness.(CaCO3) Total Hardness.(CaCO3) Calcum.(Ca) Chicride.(Ci) Magnesum.(Mg) Nitrate.(NO3.) Sulphrate.(SO4) | r Unit | Result 263 <50 | (As per IS:1 Desirable Not Specified 5 Agreeable 6.5 - 8.5 1 500 1 200 200 75 250 | 0500: 2012 } Permissible Not Specified 15 Agreeable Agreeable S 2000 1.5 600 600 200 100 No retaxbon | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-Н+ АРНА 230-8 АРНА 2540-С АРНА 2540-С АРНА 2500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(М0)-8 |
| | 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 16 | Temperature Colour Colour Tasto pdH Turbddty Total Dissolved Solids,(TDS) Fluonde,(F) Total Alkalinity,(CaCO3) Total Handness,(CaCO3) Colourn,(C3) Chicride,(C) Magnesum,(Mg) Magnesum,(Mg) Magnesum,(Mg) Magnesum,(Mg) Magnesum,(Mg) Sulphate,(NO3) | r Unit o C Hazar Quaitati Ouatati NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | Result 26 3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5 - 8,5 1 500 1 200 200 75 250 30 45 200 0,5 | 0500: 2012 } Permissible Not Specified 15 Agreeable Agreeable Solution 5 2000 15 600 600 200 1000 100 No relaxabon 400 1 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 2160-С АРНА 4500-H+ АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2500 (Са)-8 АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 (Со)-8 АРНА 4500 (Со)-8 АРНА 4500 (Со)-8 |
| | 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 16 17 | 7 emperature Colour Odour Tasto pH Tutbdty Total Dissolved Solids.(TDS) Fluorde.(F) Total Hardness.(CaCO3) Total Hardness.(CaCO3) Calcum.(Ca) Chicride.(Ci) Magnesum.(Mg) Nitrate.(NO3.) Sulphrate.(SO4) | r Unit | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 5 2000 1.5 600 600 200 100 100 No (elayshon 400 1 0 0.2 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-В АРНА 2160-С АРНА 4500-Н+ АРНА 230-8 АРНА 2540-С АРНА 2530-8 АРНА 2500-(С-)-В АРНА 3500-(Са)-8 АРНА 3500-(Са)-8 АРНА 3500-(Са)-8 АРНА 3500-(Са)-8 АРНА 3500-(Са)-8 АРНА 3500-(Са)-8 АРНА 4500-(Са)-8 АРНА 4500-(Са)-8 АРНА 4500-(Са)-8 АРНА 4500-(Са)-8 АРНА 4500-(Са)-8 |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 15 17 18 19 | 7 emperature Colour Colour Tasto pH Total Dissolved Solids (TDS) Fluorde.(F) Total Alkalinity.(CaCO3) Total Hardness.(CaCO3) Calcium.(Ca) Chiende.(C) Megnesium.(Mg) Nitrate.(NO3.) Sulphate.(SO4) Boron.(E) Aluminium.(A) Arsenc.(As) Cadmium.(Cd) | r Unit o C Hazar Quaitati Ouatati NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable 2000 1.5 600 600 200 100 100 No restation 100 100 No restation 100 100 No restation 100 100 No restation 100 No re | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-IH АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 4500 (F-)-D АРНА 2320-8 АРНА 2340-С АРНА 2320-8 АРНА 2340-С АРНА 3500 (Ca)-8 АРНА 3500 (Ca)-8 АРНА 4500 (Ca)-8 АР |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 16 17 18 19 20 | Temperature Colour Odour Tasto pH Turbidty Total Dissolved Solids (TDS) Fluorde.(F) Total Akalinity.(CaCO3) Total Handness.(CaCO3) Calcium.(C3) Chicride.(C) Megnesium.(Mg) Nitrete.(NO3.) Sulphate.(SO4) Boron.(B) Aluminium.(A) Arsenic.(As) Cadmum.(Cd) Chromium.(C1) | r Unit o.C Hazar Qualter Qualter NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 100 No retaration 400 10 No retaration No retaration No retaration | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 2500-С АРНА 2130-8 АРНА 2130-8 АРНА 2500-С АРНА 4500-С АРНА 2300-С АРНА 2300-С АРНА 2300-С АРНА 2300-С АРНА 3500-С АРНА 3500-С АРНА 3500-С АРНА 3500-С АРНА 4500-С АРНА 3500-С АРНА 3500-С АРНА 3500-С АРНА 3500-С АРНА 31208 АРНА 31208 |
| | 1 2 3 4 5 5 7 6 9 10 11 12 13 14 15 16 17 18 19 20 21 | Temperature Colour Odour Tasto pH Turbidty Total Dissolved Solids.(TDS) Fluorde.(F) Total Atkalnity.(CaCO3) Total Hardness.(CaCO3) Calcium.(C3) Chicride.(C) Megnessum.(Mg) Nitret.(NO3.) Sulphate.(SO4) Boron.(B) Aluminium.(Ai) Arsenc.(As) Cadmum.(Cd) Chromium.(C1) Copper.(Cu) | r Unit | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 8,5 - 8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,03 | 0500: 2012 } Permissible Not Specified 15 Agreeable Agreeable 2000 15 600 600 200 100 Notelexation 400 1 0.2 Notelexation Notelexation Notelexation Notelexation Notelexation 1.5 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2150-8 АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2500 (Са)-8 АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 (Са) |
| | 1 2 3 4 5 5 7 6 9 10 11 12 13 14 15 15 17 17 18 19 20 21 22 | Temperature Colour Odour Tasto pH Turbidty Total Dissolved Solids (TDS) Fluorde.(F) Total Akalinity.(CaCO3) Total Handness.(CaCO3) Calcium.(C3) Chicride.(C) Megnesium.(Mg) Nitrete.(NO3.) Sulphate.(SO4) Boron.(B) Aluminium.(A) Arsenic.(As) Cadmum.(Cd) Chromium.(C1) | r Unit | Result 26.3 <5.0 | (As per IS: Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,05 0,05 0,05 1 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 100 100 100 100 100 100 100 1 | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2150-8 АРНА 2130-8 АРНА 2540-C АРНА 2540-C АРНА 2540-C АРНА 2540-C АРНА 2540-C АРНА 2540-C АРНА 2540-C АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 |
| | 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 | 1 emperature Colour Colour Tasto pH Tubddty Total Dissolved Solds.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Handness.(CaCO3) Calcum.(C3) Chicnde.(C) Magnesum.(Mg) Nitrete.(NO3.) Sulphate.(SC4) Boron.(B) Aluminium.(Ai) Arsenc.(As) Cadmum.(Cd) Chromium.(Cd) Chromium.(C4) Leac.(Pb) Manganese.(Mn) | r Unit | Result 263 <50 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,05 0,05 0,05 1 0,05 0 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 Not relaxation No relaxation No relaxation No relaxation 1.5 No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-14 АРНА 230-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2500 (Са-8 АРНА 3500 (Са-8 |
| | 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 14 15 14 15 16 17 18 19 20 21 21 22 23 24 25 | 1 emperature Colour Colour Tasto pH Turbrdty Total Dissolved Solids.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Hardness.(CaCO3) Calcium.(Ca) Chicnde.(C) Magneseum.(Mg) Aktrate.(NO3.) Sulphate.(SO4) Boron.(B) Aluminium.(Cd) Chromium.(Cd) Chromium.(Cd) Chromium.(Cf) Copper.(Cu) Iron.(Fo) Lees((Pb) Manganese.(Mn) Marcury.(Hg) | r Unit | Result 26.3 <5.0 | (As per IS: Desirable Not Specified 5 Agreeable 6.5 - 8.5 1 500 1 200 200 75 250 30 45 200 0.5 0.03 0.01 0.05 0.05 1 0.05 0.05 1 0.05 0.05 1 0.05 0.05 1 0.05 0. | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable No resolution 5 2000 1.5 600 600 200 100 No relaxation No relaxation | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-14 АРНА 230-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2500 (С-)-8 АРНА 2500 (С-)-8 АРНА 3500 (Са)-8 АРНА 35 |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 14 15 16 17 14 15 16 17 17 20 21 22 22 22 23 24 25 26 | 7 emperature Colour Colour Tasto cH Turbrdty Total Dissolved Solids.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Hardness.(CaCO3) Calcium.(Ca) Chronide.(C) Magneaum.(Mg) Aitrate.(NO3) Sulphate.(SC4) Boron.(B) Aluminium.(Al) Arsenc.(As) Cadmium.(Cd) Chromium.(Cr) Coper.(Cu) Iron.(Fo) Lead.(Pb) Manganese.(Mn) Meccury.(Hg) | r Unit OC Hazar Quaitati Ouaitati NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,05 0,05 0,05 1 0,05 0 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 No relaxation No relaxation | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2120-8 АРНА 2160-С АРНА 4500-С АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2500 (Г-)-D АРНА 2500 (С-)-8 АРНА 3500 (С-)-8 АРНА 3500 (С-)-8 АРНА 3500 (С-)-8 АРНА 3500 (С-)-8 АРНА 3500 (С-)-8 АРНА 4500 (С-)-8 АРНА 4500 (С-)-8 АРНА 4500 (С-)-8 АРНА 4500 (С-)-8 АРНА 4500 (С-)-8 АРНА 4500 (С-)-8 АРНА 3500 (М-)-8 АРНА 3500 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 16 17 13 14 15 16 17 18 19 20 21 21 22 23 24 25 26 27 | 7 emperature Colour Tasto pH Turbudty Total Dissolved Solids.(TDS) Fluorde.(F) Total Alkalinity.(CaCO3) Calcium.(Ca) Chicride.(C) Magnesium.(Mg) Alizie.(NO3) Sulphate.(SC4) Boron.(E) Alumithium.(A4) Arsenic.(Ae) Cadmium.(Cd) Chromium.(Cr) Copper.(Cu) Iron.(Fe) Lead.(Pb) Manganese.(Mn) Maercuy.(Hg) Setemum.(Sa) Zinc.(Zn) | r Unit o C Hazar Qualtat Qualtat NTU mg/L | Result 26.3 <5.0 | (As per IS:1 Desirable Not Specified 5 Agreeable 8,5 - 8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,03 0,05 0,03 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0,05 0,03 0 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 100 No relaxation No relaxation | АРНА 2550-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2500-(С- АРНА 4500-(Г-)-D АРНА 2320-8 АРНА 2320-8 АРНА 2320-8 АРНА 2320-8 АРНА 2320-8 АРНА 2320-8 АРНА 2320-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-(С-)-8 АРНА 3500-8 АРНА 3500-8 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 16 17 13 14 15 16 17 18 19 20 21 22 23 24 22 23 24 25 26 27 28 29 | 1 emperature Colour Colour Tasto pH Tutbddy Total Dissolved Solids.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Alkalinity.(CaCO3) Calcium.(Ca) Chicride.(C) Magnesum.(Mg) Nitrete.(NO3.) Sulphate.(SC4) Boron.(B) Aluminium.(Ai) Arsenc.(As) Cadmium.(Cd) Chromium.(Cd) Chromium.(Call) Selemum.(Se) Zine.(Zn) Angenes.(Mn) Merceuy.(Hg) Selemum.(Sel Zine.(Zn) | r Unit | Result 26.3 <5.0 | (As per IS: Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,03 0,05 1 0,05 1 0,03 0,05 1 0,05 1 0,03 0,05 1 0,00 1 0,00 1 0,00 1 0,00 1 0,00 1 0,00 1 0,00 0 0,5 0,03 0,05 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable 2000 1.5 600 600 200 100 No relaxation 400 10 No relaxation No relaxation | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2130-8 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 3500 (Са)-8 АРНА 3500 (Са)- |
| | 1 2 3 4 5 5 5 7 6 9 10 11 12 13 14 15 15 15 15 15 15 15 15 15 15 15 15 20 21 22 23 24 25 25 26 27 28 29 30 | 1 emperature Colour Colour Tasto pH Tutbddy Total Dissolved Solids.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Alkalinity.(CaCO3) Calcium.(Ca) Chicride.(C) Magnesum.(Mg) Nitrete.(NO3.) Sulphate.(SC4) Boron.(B) Aluminium.(Ai) Arsenc.(As) Cadmium.(Cd) Chromium.(Cd) Chromium.(Cf) Copper.(Cu) Iron.(Fo) Lead.(Pb) Manganese.(Mn) Mercury.(Hg) Selemum.(Se) Zine.(Zn) Anonic Detergent.(MSAS) Mineral Cil Phenote Compourid.(C6H5OH) | r Unit o C Hazar Qualtat Qualtat NTU mg/L | Result 26.3 <5.0 | (As per IS: Desirable Not Specified 5 Agreeable 6,5-8,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,01 0,03 0,05 1 0,00 1 0,03 0,05 1 0,00 1 0,00 1 0,00 1 0,00 1 0,00 1 0,00 0,05 0,00 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable Agreeable 15 2000 1.5 600 600 200 1.5 600 600 200 1.5 600 600 200 1.5 600 600 200 1.5 600 600 200 1.5 600 600 200 1.5 600 600 200 1.5 600 600 1.5 600 600 200 1.5 600 600 1.5 600 600 1.5 600 600 1.5 600 1.5 600 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 600 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2130-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 (Са)-8 АРНА 31208 АРНА 31208 |
| | 1 2 3 4 5 5 7 8 9 10 11 12 13 14 15 16 17 18 16 17 18 19 20 21 22 23 24 25 26 27 27 28 29 30 31 | 1 emperature Colour Colour Tasto pH Tutbddy Total Dissolved Solids.(TDS) Fluonde.(F) Total Alkalinity.(CaCO3) Total Alkalinity.(CaCO3) Calcium.(Ca) Chicride.(C) Magnesum.(Mg) Nitrete.(NO3.) Sulphate.(SC4) Boron.(B) Aluminium.(Ai) Arsenc.(As) Cadmium.(Cd) Chromium.(Cd) Chromium.(Call) Selemum.(Se) Zine.(Zn) Angenes.(Mn) Merceuy.(Hg) Selemum.(Sel Zine.(Zn) | r Unit 0 C Hazar Quates Quates Quates Quates NTU mg/L | Result 26.3 <5.0 | (As per IS: Desirable Not Specified 5 Agreeable 6,5 - 6,5 - 6,5 1 500 1 200 200 75 250 30 45 200 0,5 0,03 0,03 0,05 1 0,05 0,05 0,05 0,5 0,5 0,5 0,5 | 0500: 2012) Permissible Not Specified 15 Agreeable Agreeable Agreeable Agreeable 2000 15 600 600 200 100 100 No relaxation No relaxation 15 No relaxation No relaxation 15 No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation No relaxation | АРНА 2650-8 АРНА 2120-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2130-8 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 2320-6 АРНА 3500 (Са)-8 АРНА 3500 (Са)- |

Test Properts without FEFTLAB HOLOGRAM are not issued by our laboratory.
 The Case of the property of the refer to the tested samples and listed applicable parameters.
 No compare with the provisioned if received after 7 days of laste of test report.
 Our Infinitely if finited to involve value only.
 The sample shall be destroyed to the test of test of test of the test of test of test of the test of te

5. The sample shall be destroyed after 15 days & Biologicul / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

AUTHORIZED Signatiday Utalily Manager

e No. HSPCB-060001(0014)/12/2023-SQLID_WASTE_MANAGEMENT_CELL-HSPCB_(Computer_No_10454





150 45001

UTHORIZED SHERACORY

Quality Manager

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etslab.to | Ph. 9911516076, 9811736063



TEST REPORT

22.03.2023 DATE OF REPORT:

WATER SAMPLE ANALYSIS REPORT

15.03.2023

Name And Address of Customer

ETS/2023/03/417

M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No. Sampling Done By Sampling Description Sampling Location

TEST REPORT NO

17.03.2023 21.03.2023 ETS/TP-117 ETS STAFF **GROUND WATER** GW- 3;B M Model School Dudhola, Palwal, (Lat. - 28°12'32.17"N;Long.-77°15'56_84"E) ETS/STP/WATER-02 20+0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

Sampling Method Sample Quantity Packing Condition Packed In

| s. No. | Test Parameter | Unit | Result | Specificat (As per I\$:1) | | Test Method | |
|----------|---|---------------------|-----------|------------------------------|---------------|---------------------|--|
| | | | - | Desirable | Pennissible | | |
| | | | 26.0 | Not Specified | | APHA 2550-B | |
| <u> </u> | Temperalure | Hazen | -5.0 | 5 | | APHA 2120-8 | |
| 2 | | Qualitative | Agreeable | Agreeaple | Agreeable | APHA 2150-B | |
| 3 | 0deanu | Quartative | Agreeable | Agreeable | Agreeable | APHA 2160-C | |
| 4 | Taste | de la transmissione | 7 30 | 6.5 8.5 | No relaxation | APHA 4500-H+ | |
| | pH | NTU | <1.0 | 1 | 5 | APHA 2130-B | |
| 6 | Turtidity | | 374.5 | 500 | 2000 | APHA 2540-C | |
| 7 | Total Desolved Solids, (TDS) | <u>но</u> д. | 0.18 | 1 | 1.5 | APHA 4500 (F)-D | |
| 8 | Fluoride.(F) | mg/L | 189.8 | 200 | 600 | APHA 2320-B | |
| 9 | Total Alkalisity (CaCO3) | mg/L | 138.7 | 200 | 600 | APHA 2340-C | |
| 10 | Total Hardness, (CaCO3) | | 427 | 75 | 200 | APHA 3500:(Ca)-B | |
| 11 | Calcium.(Ca) | | 74.5 | 250 | 1000 | APHA 4500.(C-)-B | |
| 12 | Chlonde,(Cl) | | 7,67 | 30 | 100 | APHA 3500 (Mg)-B | |
| 13 | Magnesium.(Mg) | | 126 | 45 | No relaxation | APHA 4500 (1103-) B | |
| 14 | Netrate (NO3) | न्तुः १ | 55.2 | 21/0 | 400 | APRIA 4500:(SC4)-E | |
| 15 | Suphate (SO4) | | < 0.01 | 05 | 1 | APHA 4500 (8)-C | |
| 16 | Boron (B) | mol. | < 8.01 | 0.03 | 0.2 | APHA-31208 | |
| 17 | Aluminium (Al) | mg/L mg/2. | <0.01 | 0.01 | No relaxation | APHA 31205 | |
| 18 | Aisenic,(As) | តណ្ហេរ. | | 0.003 | nocexsian of | APHA 31208 | |
| 19 | Cadmium,(Cd) | | < 0.01 | 0.05 | No relaxation | APHA 31208 | |
| 20 | Chromium,(Cr) | mgt. | < 0.01 | 0.05 | 15 | APHA 31208 | |
| 21 | Copper_(Cu) | | < 0.05 | 1 | No relaxation | APHA 31208 | |
| 22 | Iran (Fa) | nigA, | < 0.01 | 0.01 | No relaxation | AP1-(A-3120B | |
| 23 | Leac (Pb) | <u></u> | < 0.01 | 01 | 0.3 | APHA-31208 | |
| 24 | Manganaso.(Mn) | mgA | 0.001 | 0.001 | No relaxation | APHA-3114C | |
| 25 | Mercury.(Hg) | mgA | < 0.01 | 0.01 | No relaxation | APHA-31208 | |
| 26 | Selenium,(Se) | mgiL | <001 | 5 | 15 | APHA 31208 | |
| 27 | Zinc.(Zn) | ing/L | - × 0.01 | 0.2 | 1 | APHA 5540-C | |
| 28 | Anionic Detergers (MBAS) | ոցվ | < 0.5 | 05 | No relaxation | itS 3025 (Part-39) | |
| 29 | Miseral Oil | | < 0.001 | 0.001 | 0 002 | APHA 5530-C | |
| 30 | Phenolic Compound (C6H5OH) | | 587.9 | Not Specifico | | APHA 2510-B. | |
| × 54 | Conductivity | per 100mi. | Absent | | be detectable | JS 15185 | |
| <u></u> | Total Childrim Count Escherictule cost | per 100mL | Absent | T | | IS 15185 | |

DR ENVIRO, TECH SERVICES

The sty our fator and the state of the state

test reports without \$7.5 1.75 interaction and her not issued by our insolution p.
 The list statistic her only refer to the fested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately affections of test report.
 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.
 Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | ETS-LAB Plot No. 1/32, S.S | An Analytical Laboratory (A GOVERNMENT APPROVED LAB) S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 ILCOM Website : www.etslab.in Ph.: 9911516076, 9811736063 |
|---|---|---|
| Ē | TEST REPORT NO.: ETS/2023/03/41 | TEST REPORT |
| | WATE | R SAMPLE ANALYSIS REPORT |
| | Name And Address of Customer | M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana |
| | Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location Sampling Method Sample Quantity Packing Condition Packed In | 15.03.2023 17.03.2023 21.03.2023 ETS/TP-118 ETS STAFF GROUND WATER GW- 4;B P Mushrom Farm, Dhatir,(Lat 28*12'22,87"N;Long 77*14'56 03"E) ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V C. AND GLASS BOTTLE |
| | S. No. Test Parameter | Unit Result Specification/Limit Test Method (As per IS:10500: 2012) |

| 0.1102 | iest Parameter | | Result | Specific | Test Method | | |
|------------|---------------------------------------|--|--|---|---|-------------------|--|
| | | • | | (As per IS; | 10500: 2012) | 1 | |
| <u> </u> | Temperature | ······································ | <u> </u> | Desirable | Permissible | 1 | |
| 2 | Colour | <u>) o C</u> | 27.4 | Not Specified | Not Specified | APHA 2550 8 | |
| 3 | Ddour | Hazen | <5.0 | 5 | 15 | APHA 2120-B | |
| 4 | Taste | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150 B | |
| 5 | phi | Quartetive | Agreeable | | Agrecable | APHA 2160-C | |
| <u>ě</u> | Turbidity | | 7.37 | 6.5 - 5.5 | No relaxation | APHA 4500-11+ | |
| 7 | Total Dissolved Solids (TDS) | <u></u> | <1.0 | 1 | 5 | APHA 2128-B | |
| - <u>f</u> | Fluoride (F) | <u>i mg/L</u> | 403.9 | I 500 | 2000 | IAPHA 2640-C | |
| 9 | | | 0.20 | 1 | 1.5 | APHA 4500 /F- 1-D | |
| 10 | Total Alkainty (CaCO3) | | 191.6 | 200 | 600 | APHA 2320-B | |
| 11 | Total Hardness (CaCO3) Cakdum (Ca) | thg/l | 140.0 | 200 | 600 | APHA 2340.C | |
| 12 | | mg/L | 43.1 | 75 | 200 | | |
| 13 | Chloride (Cl) | ភាព្វរ | 752 | 250 | 1000 | APHA 3500 (Caj-D | |
| 13 | Magnestum (Mg) | mg/(| 7.74 | 20 | A CONTRACT OF A | APHA 4500 (C)-0 | |
| 15 | Nbate,(HO3) | ព្រះ្មា | 1.47 | 45 | No relaxation | APHA 3:00 (Mg)-B | |
| /1-++ | Sulphete (SO4) | those the second s | 52.5 | 200 | NU TRIGLESUN | APHA 4502(NO1 ; 1 | |
| 16 | Boron (B) | mg/L | + 0.01 | 0.5 | 400 | APHA 4500.(504) - | |
| 17 | Aluminium (A) | mgA. | < 0.01 | 0.03 | 1 | APHA 4500.(0)-C | |
| 18 | Arsenic (As) | mg/L | < 0.01 | 0.01 | 0.2 | APHA.31208 | |
| 19 | Cadmium,(Co) | mg/L | < 0.001 | 0.003 | No relaxation | APHA 3120B | |
| 20 | Chiomium (Cr) | mgri. | < 0.01 | terrore and the second s | No relaxation | APHA 31208 | |
| 21 | Copper,(Cu) | i mg/l | < 0.01 | 0.05 | No relaxation | APHA-31208 | |
| | Iron (Fe) | mart | ************************************** | 0.05 | 1.5 | APHA 31209 | |
| 23 | Lead,(Pb) | | < 0.05 < 0.01 | | | APHA-31206 | |
| 24 | Manganese,(Mn) | | < 0.01 | 0.01 | No relaxation | APHA-31208 | |
| | Mercury.(Hg) | | | 01 | | APHA-31205 | |
| | Selonium. (Se) | mg/ | < 0.001 < 0.01 | 0.001 | No relaxation | APHA-3114C | |
| | Zinc.(Zn) | | | 001 | No relaxation | APHA-312CR | |
| 28 | Anionic Detergent (MBAS) | mgA. | < 0.01 | 5 | 15 . | APHA 31208 | |
| 29 | Mineral OI | mg/L | <u>~001</u> | 0.2 | 1 | APHA 5540.C | |
| 30 | Phenoic Compound (C6H5(H4)) | | < 0.5 | 0.5 | No relaxation | S 3025 (Part-39) | |
| 41 | Conductivity | nig/L | < 0.001 | 0.001 | 0.002 | APHA 5530-C | |
| 12.7 | Tota Coliform Count | | 642.2 | Nol Specified | Not Specified | APHA 2510-8 | |
| 43 | Consultina col | per 100ml | Absent | Shall not be | detectable i | S 15185 | |
| | | per 100mL | Absent | Shall not be | | S 15185 | |

FOR ENVIROSTECH SERVICES

* ETS LAB HOLOGRAM are not issued by our laboratory. 1. 1.

2. The stated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of text report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediatel Sylor issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

nerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ERVIR Lest Report

B standary Ny Manager AUTHORIZED Cruality



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etsiab.in | Ph.: 9911516076, 9811736063

TEST REPORT

22.03.2023 DATE OF REPORT:

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

ETS/2023/03/419

M/s, The Prompt Enterprises Pvt Ltd _ Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

TEST REPORT NO :

ETS/TP-119 ETS STAFF **GROUND WATER** GW- 5;Shiv Ram Mandir,(Lat.- 28°13'22.72"N;Long.- 77°14'57.25"E)

Sampling Method Sample Quantity **Packing Condition** Packed In

ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

15.03.2023

17.03.2023

21.03.2023

| S.No. | Test Parameter | Unit | Result | Specificat (As per IS:10 | lion/Limit 1500; 2012) | Test Method |
|-------|--|--|-----------|-----------------------------|-----------------------------------|-------------------|
| | | | | Desirable | Permissible | |
| 1 | Temperature | - OC | 26.0 | Not Specified | Not Specified | APHA 2550-8 |
| | Colour | Hazen | <5.0 | 5 | 15 | APHA 2120-8 |
| 3 | Odour | Qualitative | Agreeable | Agreeable | Agreesbie | APHA 2150-8 |
| | Taste | Qualitative | Agreesbia | Agreeable | Agreeable | APHA 2160-C |
| 4 | | | 7.32 | 8.5 8.5 | No relaxation | APHA 4500-H+ |
| 5 | p+: Tutbickiy | NTU | <10 | 1 | 5 | APHA 2130-8 |
| 6 | Total Dissolved Snids (TDS) | mgA | 344.8 | 500 | 2000 | APHA 2540-C |
| 7 | | mg/L | 0.17 | 1 | 1.8 | APHA 4500:(F- 1-D |
| 8 | Fluonde, (F) Tatal Alkalinity (CaCO3) | mg#. | 183.0 | 200 | 600 | APHA 2320-8 |
| 9 | Total Haidness (CaCO3) | mg/L | 1537 | 200 | 600 | APHA 2340-C |
| 10 | | mg/L | 43.3 | 75 | 200 | APHA 3500 (Ca)-8 |
| 11 | Caldum,(Cs) | ոցև | 69.5 | 250 | 1003 | APHA 4500 (CI-)-8 |
| 12 | Chipode (Ci) | mg/L | 10 89 | 30 | 100 | APHA 3500 (Mg)-E |
| 13 | Magnesum (Mg) | mgA_ | 1 44 | 45 | No relaxation | APHA 4500 (ND3-)4 |
| 14 | N4: BIB (NO3) | mg/l. | 55.8 | 200 | 400 | APHA 4500 (SO4)-8 |
| 15 | Sulphate,(SO4) | mg/L | < 0.01 | 0.5 | 1 | APHA 4500 (B) C |
| 16 | Boron (B) | mor | < 0.01 | 0.03 | 0.2 | APHA-3120B |
| 17 | Aluminium, (A3) | mg/L | < 0.01 | 0.01 | No relaxation | APHA 3120B |
| 18 | Arsensc.(As) | ոցն | < 0.001 | 0.003 | No relaxation | APHA 31208 |
| 19 | Cadmium (Cd) | mg/L | < 0.01 | 0.05 | No relaxation | APHA-3120B |
| 20 | Chromium (Cr) | | < 0.01 | 0.05 | 1.5 | APHA 31208 |
| 21 | Copper (Cu) | A DESCRIPTION OF A DESC | 1 < 2 06 | 4 | No reiaxation | APHA-3120B |
| 22 | lion,(Fe) | mg/i | × 0.01 | 0.01 | No relaxation | APHA-31208 |
| 23 | Lead.(Pb) | migA_ | < 0.01 | 0.1 | 03 | APHA-3120B |
| 24 | Manganose (Mn) | រដ្ឋាំ | < 0.001 | 0.001 | No relaxation | APHA-3114C |
| 25 | Mercury (Hg) | լուց/Լ | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| 26 | Seienium,(So) | mgA | < 0.01 | 5 | 15 | APHA-31208 |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | 02 | 1 | APHA 5540-C |
| 28 | Anionic Datergens (MBAS) | <u>mg/L</u> | <0.5 | | No telaxation | IS 3025 (Part-39) |
| 29 | Nineral Or | | | 0.001 | 0.002 | APHA 5530-C |
| 30 | Phenolic Compound (C6H5QH) | mg/L | < 0.001 | Not Specified | Nol Specified | |
| 31 | Conductivity | ps/cm | \$37.8 | | / Iver Specifico xe detectable | US 15185 |
| 32 | Total Colform Count | per 100mL | Absent | | ve detectatie | IS 15185 |
| 33 | Eschenchia coli | per 100mi, | Absent | Bhai nor i | | A At Toel Report" |

FOR ENVIRON TECH SERVICES

Bithoul ES LAB HOLOGRAM are not issued by our laboratory.

reserves monistration of refer to the tested samples and listed applicable parameters.

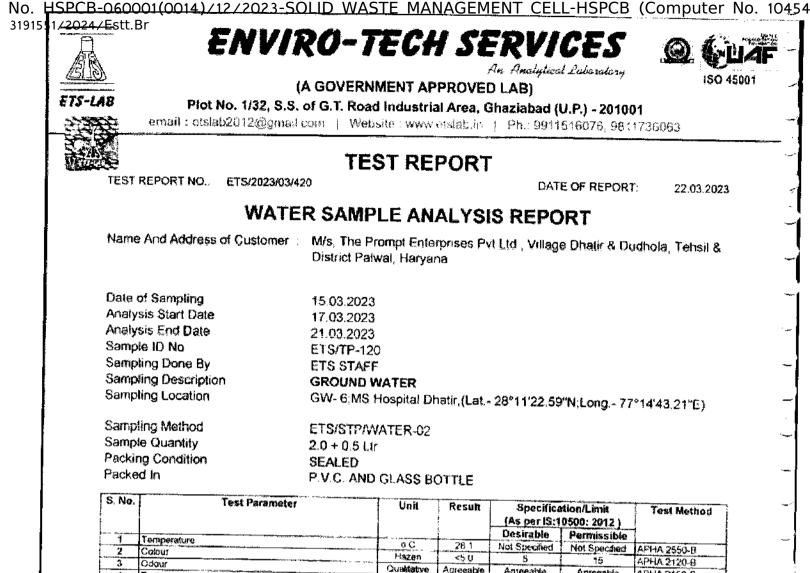
3. No wimplaint will be entertained if received after 7 days of issue of lest report.

4. Our broiling is heiten to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the haboratory.

For ENVIRO-TECH SERVICES

AUTHORIED SLOWINGBY Quality Manager



| 1 | Temperature | | | | 6.40111113-2117445 | |
|--|-----------------------------|-------------|---------------|---|--|--------------------|
| 2 | Colour | - <u>oC</u> | 28.1 | Not Specified | Not Spectred | AFHA 2550-B |
| 3 | Odaur | Hazen | <u><50</u> | 5 | 15 | APHA 2120-8 |
| 4 | Taste | Qualitative | Agreeabre | Agreeable | Agreeable | APHA 2150 B |
| 5 | | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150-C |
| 6 6 | Turbiday | | 7.37 | 6.5 - 8.5 | No relaxation | APHA 4500-H+ |
| | Total Dissolved Solds (TDS) | NTU | <u>i «10</u> | 1 | 5 | APHA 2130 8 |
| 8 | Fluonde.(F) | nign. | 4127 | 500 | 2000 | APHA 2540-C |
| <u> </u> | | mgA | 0.16 | 1 | 1.5 | APHA 4500 (F-)-D |
| 10 | Total Alkeinity (CaCO3) | mg/L | 206 4 | 200 | 600 | APHA 2320-8 |
| - <u>*v</u> 1† | Total Hardness, (CaCO3) | mg/L | 162 * | 200 | 800 | APHA 2340-C |
| | Calcium (Ca) | mgA. | 411 | 75 | 200 | APHA 3500 (Ca)-8 |
| 12 | Cluorde.(Cl) | mgi | 75.2 | 250 | 1000 | APHA 4500 (CI-)-8 |
| · · · / //// ///////////////////////// | Magnesium (Mg) | тg/t | 143 | 30 | 100 | AULIA 7500 (41-)-0 |
| 14 | Notrate (NO3) | mg/L | 1.27 | 45 | No rélaxation | APHA 3500 (Mg)-∃ |
| 15 | Sulphate (SO4) | | 53.9 | 200 | ······································ | APHA 4520-1903-)-1 |
| 16 | Воюя,(В) | nigh. | < 0.61 | 0.5 | 400 | APHA 4500 (SO4) 4 |
| 17 | Aluminium (Al) | mg/L | < 0.01 | 0.03 | 1 | APHA 4500 (B)-C |
| 18 | Arsenic.(As) | mg/L | < 0.01 | and the second se | 0.2 | APHA-31208 |
| 1₽ | Cadmium (Cd) | mg/l. | < 0.001 | 0.01 | No relaxation | APHA 31208 |
| 20 | Chromium,(Cr) | | < 0.01 | 0.003 | No relaxation | AP-1A 31208 |
| 21 | Copper (Cu) | ոց/Լ | < 0.01 | 0.05 | No relaxation | AP+14-31208 |
| 22 | Iron (Fe) | | | 0.05 | 1.5 | APHA 3120B |
| 23 | Lead,(Pb) | mg/L | < 0.05 | 1 | | APHA-31209 |
| 24 | Manganose.(Mn) | <u> </u> | < 0.01 | 0.01 | | APHA-31208 |
| 25 | Mercury.(Hg) | Ugi | < 0.01 | 0,1 | 03 | APHA-31208 |
| 26 | Selectum.(Se) | mg/t | < 0.001 | 0 001 | No relaxation | APHA-3114C |
| 27 | Zinc.(Zh) | | • 0 0 f | 001 | No relaxation | APHA-3120B |
| 28 | Anionic Detergent (MEAS) | nu/L | < 0.01 | 5 | 15 | APHA-3120B |
| 29 | Mineral Of | mg/1 | <201 | 02 | 1 | APHA 5540-C |
| قرب مستعين الح | Phenolic Compound (C6H5OH) | <u>mp(</u> | <05 | 0.5 | No relaxation | IS 3025 (Part-33) |
| | Conductway - | mg/L | 0.001 | 0.007 | | APHA 5530 C |
| | Total Coliform Count | µs/cm | 5438 | Not Specified | | APHA 2510-8 |
| 38 | State chine coli | per 100int | Absent | Shall not be | detectable | IS 15185 |
| 55.19 | | per 100mi | Absent | Shall not be | detectaile | IS 15185 |

FOR FIVIRO- TECH SERVICES Note:

Methous ETSLAB HOLOGRAM are not issued by our laboratory. I. Tests

2. The interesting only refer to the tested samples and listed applicable parameters.

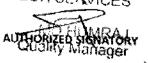
3. No compared will be entertained if received after 7 days of issue of test report.

4. Our limbility is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed inuncliately after issue of text report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENGTACHINE







ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2612@gmail.com | Website: www.etslab.in | Ph 9911516076, 9811736063



TEST REPORT NO .:

ZUZ47 ESTERI

ETS/2023/03/408

DATE OF REPORT: 22.03.2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

15.03.2023 17.03.2023 21.03.2023 ETS/TP-108 **ETS STAFF** SOIL SQ- 1;Project site ,(Lat.- 28°12'9.69"N;Long.- 77°15'40.39"E)

Sampling Method Sample Quantity Packing Condition Packed In

ETS/STP/SOIL-01 2.0 kg. SEALED ZIP POLY BAG

| S. No. | Test Parameter | Unit | Result | Test Method |
|--------|------------------------------|-------|-----------------|-------------------|
| 1 | Texture | | SANDY CLAY LOAM | IS 2720 (Part-4) |
| 2 | Sand | - K | 51.3 | IS 2720 (Parl-4) |
| 3 | ISIX | 5 | 22.0 | IS 2720 (Part-4) |
| 4 | Clay | % | 26.7 | IS 2720 (Part-4) |
| 5 | Electrical Conductivity (EC) | us/cm | 19.2 | IS 14767 |
| | cH- | | 7.24 | IS 2720 (Part-26) |
| 7 | Bulk Density | g/cm3 | 1.16 | IS 2386 (Part-4) |
| | Water Holding Capacity (WHC) | % | 17.2 | IS 2720 (Part-2) |
| | Sodium,(Ng) | mg/kg | 80.0 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 181.0 | USEPA-3050A |
| 11 | Total Nilrogen (N) | mg/kg | 4.34 | ETS/STP/SOIL-1 |
| 12 | Chloride (Cl) | mg/kg | 217.2 | BS 1377 -3 |
| 13 | Magnesium.(Mg) | mg/kg | 108.6 | ETS/STP/SOIL-08 |
| 14 | Organic Matter, (OM) | % | 0.65 | IS 2720 (Part-22) |
| 15 | Aluminium (Al) | mg/kg | 0 36 | USEPA-3050A |
| 16 | Cadmium.(Cd) | mg/kg | 0.45 | USEPA-3050A |
| 17 | Chromium.(Cr) | mg/kg | 0.29 | USEPA-3050A |
| 18 | Copper (Cu) | mg/kg | 1.45 | USEPA-3050A |
| 19 | (Iron, (Fe) | mg/kg | 126.7 | USEPA-3050A |
| 20 | Lead.(Pb) | mg/kg | 0.29 | USEPA-3050A |
| 21 | Manganese,(Mn) | mg/kg | 1.52 | USEPA-3050A |
| 22 | Zinc,(Zn) | mg/kg | 1.67 | USEPA-3050A |
| 23 | (Nickel (Ni) | mg/kg | 73.8 | USEPA-3050A |
| 24 | Calcium,(Ca) | mg-kg | 202.7 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | mo/kg | 37.6 | ETS/STP/SOIL-1 |



Note:-EDAY, 57.AB HOLOGRAM are not issued by our laboratory. 1. Test rend

2. The result hugened only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH SERVICES AUTHORIZED SIGNATORY

*****End of Test Report*****

Quality Manager

| Simpling Deteror Security Securi | | | 0014)/12/20 | 23-SOLID | WASTE M | ANAGE | MENT_CELL-HS | SPCB (Comp | <u>ute</u> r No. | 10454 |
|---|-----------|---|--|-------------------------|--|---------------------------|---|--|------------------|------------|
| TEST REPORT NO.: ETS/2023/03/409 DATE OF REPORT: 22.03.2023 SOIL SAMPLE ANALYSIS REPORT SOIL SAMPLE ANALYSIS REPORT Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Patwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Analysis End Date 21.03.2023 Sample ID No ETS/TP-109 Sampling Done By ETS STAFF Sampling Description SOIL Sampling Location SQ- 2:Shri Vishwakarma Skill University,(Lat 28°11'55.53"N;Long T7'17'13.80"E) Sampling Method Sample Quantity 2.0 kg, Packed In ZIP POLY BAG Stript Condition SEALED Packed In ZIP POLY BAG | 31915 517 | - - - | Plot No. | (A G 1/32, S.S. of (| OVERNMEN G.T. Road Inde | T APPRO | An Analytical Le VED LAB) a, Ghaziabad (U.P | sbosatasy !.) - 201001 | | |
| Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Location SQ- 2;Shri Vrshwakarma Skill University,(Lat 28°11'55.53"N;Long 77°17'13.80"E) Sampling Method Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZiP POLY BAG Stit Test Parameter 1 Texture 2 Sand 3 Sit | | TEST | REPORT NO.: | | | | | TE OF REPORT: | 22.03.2023 | · _ · · |
| District Palwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sampling Done By ETS/TP-109 Sampling Done By ETS STAFF Sampling Description SOIL Sampling Location SQ- 2;Shri Vishwakarma Skill University,(Lat 28°11'55.53"N;Long 77°17'17'13.80"E) Sampling Method Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG S. No. Test Parameter Linit Result Test Method 1 Test Parameter Linit SANDY CLAY LOAM IS 2720 (Part-4) | | | | SOIL | SAMPLE | ANAL | YSIS REPOR | रा | | |
| Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sample ID No ETS/TP-109 Sampling Done By ETS STAFF Sampling Description SOIL Sampling Location SQ- 2:Shri Vishwakarma Skill University.(Lat 28°11'55.53"N;Long T7*17'13.80"E) Sampling Method Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG S. No. Test Parameter 1 Texture 2 Sand 3 Suid | | Name | And Address of | Customer : | M/s, The Pron District Palwa | npt Enterpr I, Haryana | ises Pvt Ltd , Villag | e Dhatir & Dudhol | a, Tehsil & | ا احب ا |
| 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 53.4 IS 2720 (Part-4) 3 Site % 53.4 IS 2720 (Part-4) | | Analys Analys Sampl Sampl Sampl Sampl Sampl Packin | is Start Date is End Date e ID No ing Done By ing Description ing Location ing Method e Quantity g Condition 5 In | | 17.03.2023 21.03.2023 ETS/TP-109 ETS STAFF SOIL SQ- 2;Shri Vis 77°17'13.80"E ETS/STP/SOI 2.0 kg. SEALED ZIP POLY BAC |) L-01 | Skill University,(La | l 28°11'55.53"N; | Long | |
| 4 Clay 7c 20.6 IS 2720 (Part-4) 4 Clay % 26.0 IS 2720 (Part-4) | | 1 2 3 | Texture Sand Silt Clay | Test Paramete | | % | SANDY CLAY LOAM 53.4 20.6 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) | | |

| <u> </u> | CHIR) | 4 % | 53.4 | IS 2720 (Part-4) |
|----------|------------------------------|---|-------|-------------------|
| 3 | Silt | % | 20.6 | IS 2720 (Part-4) |
| 4 | Clay | % | 26.0 | 18 2720 (Part-4) |
| 5 | Electrical Conductivity (EC) | us/cm | 20.8 | IS 14767 |
| 6 | pH | | 7.29 | IS 2720 (Pari-26) |
| 7 | Bulk Density | g/cm3 | 1,11 | IS 2386 (Part-4) |
| 8 | Water Holding Capacity (WHC) | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 14.8 | IS 2720 (Part-2) |
| 9 | Sodium, (Na) | mg/kg | 77.4 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 157.8 | |
| 11 | Total Nitrogen (N) | mg/kg | 5.83 | USEPA-3050A |
| 12 | Chloride,(Cl) | mg/kg | 211.4 | ETS/STP/SOIL-15 |
| 13 | Magnesium, (Mg) | | | BS 1377 -3 |
| 14 | Organic Maller.(OM) | <u>mp/kg</u> | 80.2 | ETS/STP/SOIL-08 |
| 15 | Aluminium.(Al) | | 0.80 | IS 2720 (Part-22) |
| 16 | Cadmium (Cd) | mg/kg | 0.40 | USEPA-3050A |
| 17 | Chromium (Cr) | mg/kg | 0.50 | USEPA-3050A |
| 18 | Copper,(Cu) | mg/kg | 0.33 | USEPA-3050A |
| 19 | lion.(Fe) | mg/kg | 1.56 | USEPA-3050A |
| 20 | Lead (Pb) | mg/kg | 144_4 | USEPA-3050A |
| 21 | Manganese (Mn) | mg/kg | 0.31 | USEPA-3050A |
| 22 | Zing (Zn) | mg/kg | 2,11 | USEPA-3050A |
| 23 | | rng/kg | 1.70 | USEPA-3050A |
| | Nicket,(Ni) | mg/kg 1 | 81.6 | USEPA-3050A |
| 24 | Calcium.(Ca) | mg/kg | 240.6 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | mg/kg i | 52.0 | ETS/STP/SOL-19 |



L. Test reports Winner TS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated any seler to the tested samples and listed applicable parameters. 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

Note>

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

AUTHORDED SIMPAORY Quality Manager

*****End of Test Report***** For ENVIRO-TECH SERVICES

No. HSPCB-060001(0014)/12/2023-SOLID_WASTE_MANAGEMENT_CELL-HSPCB_(Computer_No._10454 3191551/2024/Estt.Br ENVIRO-TECH SERVICES An Analytical Laboratory ISO 45001 (A GOVERNMENT APPROVED LAB) Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email:etslab2012@gmail.com | Website:/www.etslab.in | Ph.: 9911516076. 9911736063 TEST REPORT DATE OF REPORT: 22.03.2023 ETS/2023/03/410 TEST REPORT NO.: SOIL SAMPLE ANALYSIS REPORT M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & Name And Address of Customer District Palwal, Haryana 15.03.2023 Date of Sampling Analysis Start Date 17.03.2023 21.03.2023 Analysis End Date ETS/TP-110 Sample ID No ETS STAFF Sampling Done By Sampling Description SOIL SQ- 3;B M Model School Dudhola, Palwal, (Lat.- 28°12'32.17"N;Long.-Sampling Location 77°15'56.84"E) ETS/STP/SOIL-01 Sampling Method 2.0 kg. Sample Quantity

| S. No. | Test Parameter | Unit | Result | Test Method |
|--------|------------------------------|----------------|-----------------|-------------------|
| 1 | Texture | | SANDY CLAY LOAM | IS 2720 (Part-4) |
| 2 | Sand | % | 49.8 | IS 2720 (Part-4) |
| 3 | | | 24.2 | IS 2720 (Parl-4) |
| | Clay | | 26.0 | IS 2720 (Part-4) |
| 4 5 | Electrical Conductivity (EC) | us/cm | 20.2 | IS 14787 |
| | | | 7.22 | IS 2720 (Part-28) |
| 6 | pH Bulk Density | g/cm3 | 1,09 | IS 2386 (Part-4) |
| 7 | Water Holding Capacity (WHC) | % | 15.5 | IS 2720 (Part-2) |
| 8 | | mg/kg | 78.8 | USEPA-3050A |
| 9 | Sodium,(Na) | mg/kg | 148.9 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 2,89 | ETS/STP/SOIL- |
| 11 | Total Nitrogen (N) | mg/kg | 259.9 | BS 1377 -3 |
| 12 | Chleride.(Cl) | mg/kg | 73.6 | ETS/STP/SOIL |
| 13 | Magnesium.(Mg) | | 0.58 | IS 2720 (Part-22 |
| 14 | Organic Matter (OM) | nig/kg | 0.37 | USEPA-3050A |
| 15 | Aluminium.(Al) | | 0.45 | USEPA-3050A |
| 16 | Cadmium.(Cd) | | 0.31 | USEPA-3050A |
| 17 | Chromium,(Cr) | mg/kg mg/kg | 1 65 | USEPA-3050A |
| 18 | Capper.(Cu) | | 136.8 | USEPA-3050A |
| 19 | Iron,(Fe) | mg/kg | 0.36 | USEPA-3050A |
| 20 | Lead,(Pb) | mg/kg | 1.30 | USEPA-3050A |
| 21 | Manganese (Mri) | mg/kg | 1.82 | USEPA-3050A |
| 22 | Zinc.(Zn) | mg/kg | 1.02 | USEPA-3050A |
| 23 | Nickel, (Ni) | mg/kg | 158.8 | IS 2720 (Part-23 |
| 24 | Catcium.(Ca) | mg/kg | | ETS/STP/SOIL |
| 25 | Phosphorus (PO4) | mg/kg | 39.9 | Triavaluadir |

SEALED **ZIP POLY BAG**

FOR ENVIRONTECH SERVICES

Packing Condition

Packed In

Note:-1. Test reports winnum St.AB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biologicat / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

AUTHORIZED AND ATORY Quality Manager

*****End of Test Report*****

For ENVIRO-TECH

| email: ctrdaz/01/2@gminition: Website:::::::::::::::::::::::::::::::::::: | | | ENVIR (A G | O-IECH | | An Analytical L | | ISO 45001 |
|--|-------------|---|--|---|---|--|--|-------------|
| TEST REPORT NO: ETS/2023/03/41 DATE OF REPORT: 22.03.002 SOLL SAMPLE ANALYSIS REPORT Name And Address of Customer : M/s. The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Patwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 17.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packed In ZIP POLY BAG SANDV CLAY LOAM IS 2720 (Part 4) Yeaking Conduction SLIP SANDV CLAY LOAM IS 2720 (Part 4) Sample Quantity ZIP POLY BAG 22.1 IS 14767 Start Sample Quantity ZIP (C) Bart Sample Quantity ZIP (C) Bart 16 2720 (Part 4) Sample Quantity ZIP (C) Bart 16 2720 (Part 4) Sample Quantity ZIP (C) Bart 16 2720 (Part 4) Sati Claw State 2720 (Part 4) </th <th>ETS-LAB</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> | ETS-LAB | | | | | | | |
| TEST REPORT NO: ETS/2023/03/411 DATE OF REPORT: 22.03.002 SOLL SAMPLE ANALYSIS REPORT Name And Address of Customer M/s. The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 21.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Location SOL Sampling Location SOL Sample Quantity 2.0 kg. Packing Condition SOL Packing Condition SLIE Sample Quantity 2.0 kg. Packed In ZIP POLY BAG SANDY CLAY LOAM IS 2720 (Part-4) Start Sample Quantity 2.0 kg. Packing Conductiony Start POLY BAG Sande Quantity Start POLY BAG Start Instrumedametar Instrumedametar Test Method 1 Testue Start POLY BAG Start Poly Part-4) 3 Start Start Poly Part-4) Start Poly Part-4) 5 Not Test Parameter | | | | TEST R | PP | ORT | · | |
| Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Pahval, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 21.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Location SOL 4.8 P Mushrom Farm, Dhatir, (Lat 28*12*22.87*N; Long 77*14*56.03*E) Sampling Method ETS/STP/SOIL-01 Sampling Condition SEALED Packed In ZIP POLY BAG Site \$AADY CLAY LOAM IS 2720 (Pant-4) 2 Site \$AADY CLAY LOAM IS 2720 (Pant-4) 2 Sampling Condition SEALED Packed In ZIP POLY BAG Site \$AADY CLAY LOAM IS 2720 (Pant-4) 4 Glay \$3/21 (S 2720 (Pant-4) 5 Bolk Density (Ecclincal Conductivity (EC)) Ustom 4 Dist Density (2) \$3/20 (Pant-4) 5 Bolk Density (2) \$3/20 (Pant-4) 6 Beterifical Conductavity (EC) Bilt \$3/20 (Pant-4 | <u>1772</u> | TEST | REPORT NO.: | | | - | ATE OF REPORT: | 22.03.2023 |
| Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Pahval, Haryana Date of Sampling 15.03.2023 Analysis Start Date 17.03.2023 Analysis Start Date 21.03.2023 Sampling Done By ETS STAFF Sampling Done By ETS STAFF Sampling Location SOL 4.8 P Mushrom Farm, Dhatir, (Lat 28*12*22.87*N; Long 77*14*56.03*E) Sampling Method ETS/STP/SOIL-01 Sampling Condition SEALED Packed In ZIP POLY BAG Site \$AADY CLAY LOAM IS 2720 (Pant-4) 2 Site \$AADY CLAY LOAM IS 2720 (Pant-4) 2 Sampling Condition SEALED Packed In ZIP POLY BAG Site \$AADY CLAY LOAM IS 2720 (Pant-4) 4 Glay \$3/21 (S 2720 (Pant-4) 5 Bolk Density (Ecclincal Conductivity (EC)) Ustom 4 Dist Density (2) \$3/20 (Pant-4) 5 Bolk Density (2) \$3/20 (Pant-4) 6 Beterifical Conductavity (EC) Bilt \$3/20 (Pant-4 | | | SOIL | SAMPLE AN | | YSIS REPO | RT | |
| Analysis Start Date 17.03.2023 Analysis End Date 21.03.2023 Sample (D No ETS/TP-111 Sampling Done By ETS STAFF Sampling Docation SOL Sampling Docation SOL Sampling Location SOL Sampling Location SOL Sampling Method ETS/STP/SOL-01 Sampling Condition SEALED Packing Condition SEALED Packed In ZIP POLY BAG Sinit % 27.1 Electrical Conductivity (EC) µs/cm Packed In 10 2720 (Part-4) Sinit % 27.1 Balk Density 0 (Part-4) Sinit 10 2720 (Part-4) Balk Density 10 2720 (Part-4) Solit 10 2720 (Part-4) Solit 10 2720 (Part-2) Solit 10 2720 (Part-2) | | Name | | M/s, The Prompt E | Enterp | rises Pvt Ltd , Villa | | a, Tehsil & |
| Analysis Start Date17.03.2023Analysis End Date21.03.2023Sample ID NoETS/TP-111Sampling Done ByETS STAFFSampling DoscriptionSOILSampling LocationSO-4.8 P Mushrom Farm, Dhatir, (Lat 28° 12'22.87"N; Long 77'14'56.03°E)Sampling MethodETS/STP/SOIL-01Sampling ConditionSEALEDPacking ConditionSEALEDPacked InZIP POLY BAGSinit********************************* | | Date | of Sampling | 15.03 2023 | | | | |
| Analysis End Date 21.03.2023 Sample ID No ETS/TP-111 Sampling Done By ETS STAFF Sampling Description SOL Sampling Location SOL Sampling Location SOL Sampling Method ETS/STP/SOL-01 Sampling Method ETS/STP/SOL-01 Sampling Condition SEALED Packed In ZIP POLY BAG Sin Test Method 1 Testure 2 Sin 3 Sin 3 Sin 4 Clay 2 Samd 5 No 1 Testure 2 Samd 4 Clay 2 Samd 4 Clay 5 But Density 6 Electrical Conductivity (EC) 8 Water Hoding Capacity (WHC) 5 Hoding 7 Burk Density 8 Potassium (K) 9 Potassium (K) 10 Potassium (K) <t< td=""><td></td><td>Analy</td><td>sis Start Date</td><td></td><td></td><td></td><td></td><td></td></t<> | | Analy | sis Start Date | | | | | |
| Sample ID No ETS/TP-111 Sampling Done By ETS STAFF Sampling Description SOLL Sampling Location SOLL Sampling Location SOLL Sampling Location SOLL Sampling Location SOLL Sampling Method ETS/STP/SOLL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG S. No. Test Parameter Unit Result Test Method Sitt % 49.8 IS 2720 (Part-4) Sitt % 27.1 IS 2720 (Part-4) Sitt % 23.1 IS 14767 A Clay % 23.1 IS 14767 A Ditk Density D/Cm3 1.20 IS 2320 (Part-4) Buik Density D/Cm3 1.20 IS 2320 (Part-4) IS 2320 (Part-2) Buik Density D/Cm3 1.20 IS 2366 (Part-4) IS 2320 (Part-2) Buik Density D/Cm3 1.20 IS 2366 (Part-4) IS 2320 (Part-2) <td></td> <td>Алаіу</td> <td>sis End Date</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | Алаіу | sis End Date | | | | | |
| Sampling Done By ETS STAFF Sampling Description SOLL Sampling Location SOLL Sampling Location SOLL Sampling Location SOLL Sampling Location SOLL Sampling Method ETS/STP/SOLL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG S. No. Test Parameter Unit Result Test Method 1 Texture SAMDY CLAY LOAM IS 2720 (Part-4) S220 (Part-4) 2 Sand % 27.1 IS 2720 (Part-4) 3 Sitt % 27.1 IS 2720 (Part-4) 4 Clay % 27.1 IS 2720 (Part-4) 5 PH "Conductivity (EC) # 14767 6 PH "Conductivity (EC) # 2.31 (IS 2720 (Part-4)) 8 Water Hoding Capacity (WHC) % 14.0 IS 2720 (Part-4) 9 Testing Conductivity (EC) # 4.0 IS 2720 (Part-2) 10 Potessaium (K) mg/kg <td></td> <td>Samp</td> <td>le ID No</td> <td>. –</td> <td></td> <td></td> <td></td> <td></td> | | Samp | le ID No | . – | | | | |
| Sampling Description SOIL Sampling Location SO-4.B P Mushrom Farm, Dhatir,(Lat 28°12'22.87"N;Long 77°14'56.03"E) Sampling Method ET3/STP/SOL-01 Sample Quantity 2.0 kg, Packing Condition SEALED Packed In ZIP POLY BAG Siti % 49.8 1 Texture 2 Sample Quantity 2 Style 3 Siti 4 Clay 5 49.8 52720 (Part-4) 4 Siti 6 Electrical Conductivity (EC) 18 15 2720 (Part-4) 6 BH 7 Buik Density 9 y/cm3 10 Potassian (K) 10 Potassian (K) 11 Total Nilogen (N) 12 Charida (Capacity (W/rC) 13 Magnesiom, (Mg) 14 Organic Matter, (OM) 15 2720 (Part-2) 16 Potassian (K) 17 <td></td> <td>Samp</td> <td>ling Done By</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | Samp | ling Done By | | | | | |
| Sampling Location SQ- 4:B P Mushrom Farm, Dhatir, (Lat 28°12'22.87"N; Long 77°14'56.03°E) Sampling Method ETS/STP/SQIL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG Sint 77°14'56.03"E) Sample Quantity 2.0 kg. Packed In ZIP POLY BAG Sint 96.49.8 15 2720 (Part.4) 2 Sand 96.49.8 15 2720 (Part.4) 3 Sit 96.23.1 16 2720 (Part.4) 4 Clay 96.23.1 16 2720 (Part.4) 5 2720 (Part.4) 16 2720 (Part.4) 4 Clay 96.23.1 16 2720 (Part.4) 5 2720 (Part.2) 15 14767 16 2720 (Part.2) 6 DH 7.27 16 2720 (Part.2) 7 Bulk Density 90'(m3 1.20 15 2720 (Part.2) 6 DH 727 16 2720 (Part.2) 7 Bulk Density 90'(m3 1.20 15 2720 (Part.2) 8 Sodium, (Na) | | | | | | | | |
| Sampling Method ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packed In ZIP POLY BAG Simple Quantity 2.0 kg. Packed In ZIP POLY BAG Simple Quantity SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 49.8 3 Sin % 27.1 4 Clay % 23.1 5 Zip (Part-4) 5 Electrical Conductivity (EC) gstom 2 IS and % 23.1 6 Electrical Conductivity (EC) gstom 7 Burk Density g/cm3 7 Burk Density g/cm3 8 Water Hoding Capacity (WHC) % 9 Fielenheal Conductivity (EC) g/cm3 120 (Part-2) S2306 (Part-4) 8 Sodium (K) mg/kg 10 Potassium (K) mg/kg 11 Total Nillogen (kl) mg/kg 12 Chloride (CI) mg/kg 13 Magnesium (KG) mg/kg 14 Organic Matter (OAM) % 15 Aluminismin(AR) mg/kg 16 Cooper.(Con) mg/kg 17 Chroni | | - | | | m Fan | m Dhatic (Lat. 204 | 1 2100 O77861.1 | |
| Sampling Method ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 49.8 3 Siti % 23.1 4 Clay % 23.1 5 Electrical Conductivity (EC) µs/on 7.27 6 Electrical Conductivity (EC) µs/on 7.27 7 Bulk Density g/cm3 1.20 15 2720 (Part-4) 8 Water Holding Capacity (WHC) % % 10 15 2720 (Part-2) 9 Sodium, (Na) mg/kg 14.0 15 2720 (Part-2) 15 2366 (Part-4) 9 Sodium, (Na) mg/kg 148 7 19 23050A 10 Potassium (K.) mg/kg 148 7 19 2720 (Part-2) 12 Chloride (Cl) mg/kg 436 ETS/STP/SOIL-15 12 Chloride (Cl) mg/kg 74.9 | | • | | 77°14'56.03"E) | 5 C G G SAR | 10, Diadu (Lat.* 20 | 12 22.07 N,LONG | |
| Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG S. No. Test Parameter Unit Result Test Method 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 49.8 15 2720 (Part-4) 3 Siti % 23.1 16 2720 (Part-4) 4 Clay % 23.1 15 2720 (Part-4) 6 Electrical Conductivity (EC) gt cm 21.1 15 14767 6 pt dist Density g/cm3 1.20 15 2386 (Part-4) 7 7 Buik Density g/cm3 1.20 15 2386 (Part-4) 8 Water HoxIoing Capacity (WHC) % 14.0 15 2720 (Part-2) 8 Sodium, (Na) mg/kg 168.7 USEPA-3050A 10 Potassium (K) mg/kg 14.8 ETSISTR/SOLL15 12 Chloride (Cl) mg/kg 74.9 ETSISTR/SOLL15 14 <td></td> <td>¢</td> <td>17 h h h h h</td> <td></td> <td></td> <td></td> <td></td> <td></td> | | ¢ | 17 h h h h h | | | | | |
| Packing Condition Packed In SEALED ZIP POLY BAG S. No. Test Parameter Unit Result Test Method 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 49.8 IS 2720 (Part-4) 3 Sili % 21.1 IS 2720 (Part-4) 4 Clay % 22.1 IS 14767 5 pit getting % 22.1 IS 14767 6 Electrical Conductivity (EC) getting 22.1 IS 14767 7 Bulk Density g/cm3 1.20 IS 2306 (Part-4) 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-2) 9 Sodium,(Na) mg/kg 168.7 USEPA-3050A 11 Total Nitogen (A) mg/kg 349.0 BS 1377 -3 13 Megnesium,(Mg) mg/kg 74.9 ETs/STP/SOL-08 14 Organic Matter (CM) % 0.51 IS 2720 (Part-2) 13 Megnesium,(Mg) | | - Samp | lina Method | ETS/STP/SOR_01 | | | | |
| S. No. Test Parameter Unit Result Test Method 1 Texture | | | | | | | | |
| 1 Texture Chin Result Test Method 2 Sand SANDY CLAY LOAM IS 2720 (Part-4) S2720 (Part-4) 3 Siit % 49.8 IS 2720 (Part-4) 4 Clay % 22.1 IS 2720 (Part-4) 4 Clay % 23.1 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 22.1 IS 14767 6 pH 727 IS 2720 (Part-4) 7 Bulk Density g/cm3 1.20 IS 2386 (Part-4) 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-2) 8 Sodium, (Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K-) mg/kg 168 7 USEPA-3050A 11 Total Nitrogen (N) mg/kg 349.0 BS 1377-3 13 Magnesium, (Mg) mg/kg 0.38 USEPA-3050A 14 Organic Matter, (OM) % 0.51 15 2720 (Part-22) 15 Aluminium | | Samp | le Quantity | 2.0 kg. | | | | |
| 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) 2 Sand % 49.8 IS 2720 (Part-4) 3 Sili % 27.1 IS 2720 (Part-4) 4 Clay % 27.1 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 22.1 IS 2720 (Part-4) 6 DH 7.27 IS 2720 (Part-4) 7 Bulk Density g/cm3 1.20 IS 2366 (Part-4) 8 Water Hoking Capacity (WHC) % 14.0 IS 2720 (Part-2) 9 Sodium, (Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K) mg/kg 168 7 USEPA-3050A 11 Total Ninogen (N) mg/kg 136 ET3/STP/SOIL-15 12 Chloride (Cl) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter.(OM) % 0.51 IS 2720 (Part-22) 15 Magnesium, (Mg) mg/kg 0.49 0.85 1577.3 13 Magnesium, (Mg) mg/kg 0.51 IS 2720 (Part-22) 15 14 </th <th></th> <th>Samp Packii</th> <th>le Quantity ng Condition</th> <th>2.0 kg. SEALED</th> <th></th> <th></th> <th></th> <th></th> | | Samp Packii | le Quantity ng Condition | 2.0 kg. SEALED | | | | |
| 2 Sain % 49.8 IS 2720 (Part-4) 3 Sili % 27.1 IS 2720 (Part-4) 4 Clay % 23.1 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/orn 22.1 IS 1720 (Part-4) 6 pH 7.77 IS 2720 (Part-26) 7 Bulk Density g/orn3 1.20 IS 2386 (Part-4) 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-26) 9 Sodium.(Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K) mg/kg 168.7 USEPA-3050A 11 Total Nilrogen (N) mg/kg 36 ETS/STP/SOIL-15 12 Chloride (Cl) mg/kg 349.0 BS 1377.3 13 Magnesium.(Mg) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter.(OM) % 0.51 IS 2720 (Part-22) 15 Aurminium.(A) mg/kg 0.51 USEPA-3050A 14 <td></td> <td>Samp Packii Packe S. No.</td> <td>le Quantity ng Condition ed In Yest Paramete</td> <td>2.0 kg, SEALED ZIP POLY BAG</td> <td>Unit</td> <td>Result</td> <td>Test Method</td> <td></td> | | Samp Packii Packe S. No. | le Quantity ng Condition ed In Yest Paramete | 2.0 kg, SEALED ZIP POLY BAG | Unit | Result | Test Method | |
| 4 Clay % 27.1 (15 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 22.1 (15 14767 6 pH 7.27 (15 2720 (Part-4) 7 Bulk Density g/cm3 1.20 (15 2366 (Part-4)) 8 Water Holding Capacity (WHC) % 14.0 (15 2720 (Part-2)) 9 Sodium (Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K) mg/kg 168 7 USEPA-3050A 11 Total Nitrogen (N) mg/kg 168 7 USEPA-3050A 12 Chloride (Cl) mg/kg 4.36 ETS/STP/SOIL-15 13 Magnesium (Mg) mg/kg 34.9 0 BS 1377 -3 14 Organic Matter (OM) % 0.51 IfS 2720 (Part-22) 15 Aluminium (Al) mg/kg 0.38 USEPA-3050A 14 Organic Matter (OM) % % 0.51 IfS 2720 (Part-22) 15 Aluminium (Al) mg/kg 0.51 USEPA-3050A 16 Cadmium (Cd) mg/kg 0.51 | | Samp Packii Packe S. No. 1 | le Quantity ng Condition ed In Test Paramete Texture | 2.0 kg, SEALED ZIP POLY BAG ar L | | 1 | | |
| 6 Electrical Conductivity (EC) # 23.1 (IS 2720 (Part.4)) 6 pH 7.27 IS 2720 (Part.4) 7 Bulk Density g/cm3 1.20 (IS 2366 (Part.4)) 8 Water Holding Capacity (WHC) % 14.0 (IS 2366 (Part.4)) 8 Water Holding Capacity (WHC) % 14.0 (IS 2720 (Part.2)) 9 Sodium, (Na) mg/kg 62.2 USEPA-3050A 10 Potassiam (K.) mg/kg 168.7 USEPA-3050A 11 Total Nitogen (N) mg/kg 4.36 ETS/STP/SOIL-15 12 Chloride (Ci) mg/kg 74.9 ETS/STP/SOIL-15 13 Magnesium, (Mg) mg/kg 0.38 USEPA-3050A 14 Organic Matter. (OM) % 0.51 IS 2720 (Part-22) 15 Atuminium, (AI) mg/kg 0.38 USEPA-3050A 16 Cadmium, (Cd) mg/kg 0.51 USEPA-3050A 17 Chromium (Cr) mg/kg 0.51 USEP | | Samp Packie Packe S. No. 1 2 | le Quantity ng Condition ed In Test Paramete Texture Sand | 2.0 kg, SEALED ZIP POLY BAG ar L | % | SANDY CLAY LOAN | I IS 2720 (Part-4) | |
| 6 pH 7.27 IS 1470 7 Bulk Density g/cm3 1.20 IS 2720 (Part-26) 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-4) 8 Sodium,(Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K) mg/kg 168 7 USEPA-3050A 11 Total Nilrogen (N) mg/kg 436 ETS/STP/SOIL-15 12 Chloride (Ci) mg/kg 349.0 BS 1377 -3 13 Magnesium,(Mg) mg/kg 74.9 ETS/STP/SOIL-15 14 Organic Matter.(OM) % 0.51 IS 2720 (Part-22) 16 Aluminium,(Al) mg/kg 0.38 USEPA-3050A 17 Chronium,(Cd) mg/kg 0.38 USEPA-3050A 16 Cadmum,(Cd) mg/kg 0.46 USEPA-3050A 17 Chronium,(Cd) mg/kg 0.51 USEPA-3050A 17 Chronium,(Cd) mg/kg 0.51 USEPA-3050A 18 | | Samp Packie Packee S. No. 1 2 3 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt | 2.0 kg, SEALED ZIP POLY BAG ar L | % % | SANDY CLAY LOAN 49.8 27.1 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) | |
| 7 Bulk Density g/cm3 1.20 IS 2386 (Part-4) 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-2) 9 Sodium, (Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K) mg/kg 168 7 USEPA-3050A 11 Total Nitrogen (N) mg/kg 138 7 USEPA-3050A 11 Total Nitrogen (N) mg/kg 14.36 ETS/STP/SOIL-15 12 Chloride (CI) mg/kg 349.0 BS 1377 -3 13 Magnesium, (Mg) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter. (OM) % 0.51 IS 2720 (Part-22) 16 Aluminium, (AI) mg/kg 0.38 USEPA-3050A 17 Chromium, (Cr) mg/kg 0.46 USEPA-3050A 18 Copper, (Cu) mg/kg 0.51 USEPA-3050A 19 Iron, (Fe) mg/kg 1.48 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA | | Samp Packie Packee S. No. 1 2 3 4 | le Quantity ng Condition ed In Test Paramete Texture Sand Sitt Clay | 2.0 kg, SEALED ZIP POLY BAG ar L | % % % | SANDY CLAY LOAM 49.8 27.1 23.1 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) | |
| 8 Water Holding Capacity (WHC) % 14.0 IS 2720 (Part-2) 9 Sodium, (Na) mg/kg 62.2 USEPA-3050A 10 Potassium (K.) mg/kg 158.7 USEPA-3050A 11 Total Nilrogen (N) mg/kg 4.36 ETS/STP/SOIL-15 12 Chloride (CI) mg/kg 349.0 BS 1377-3 13 Magnesium, (Mg) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter. (OM) % 0.51 IS 2720 (Part-22) 14 Organic Matter. (OM) % 0.38 USEPA-3050A 15 Aluminium, (Al) mg/kg 0.38 USEPA-3050A 16 Cadmium, (Cd) mg/kg 0.46 USEPA-3050A 17 Chromium. (Cr) mg/kg 0.46 USEPA-3050A 19 iron, (Fe) mg/kg 1.48 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganeso, (Mn) mg/kg 1.55 USEPA-3050A <td></td> <td>Samp Packie Packe S. No. 1 2 3 4 5</td> <td>le Quantity ng Condition ed In Test Paramete Sand Silt Clay Electrical Conductivity (EC)</td> <td>2.0 kg, SEALED ZIP POLY BAG ar L</td> <td>% % %</td> <td>SANDY CLAY LOAM 49.8 27.1 23.1 22.1</td> <td>IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767</td> <td></td> | | Samp Packie Packe S. No. 1 2 3 4 5 | le Quantity ng Condition ed In Test Paramete Sand Silt Clay Electrical Conductivity (EC) | 2.0 kg, SEALED ZIP POLY BAG ar L | % % % | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 | |
| B Sodium.(Na) mg/kg 82.2 USEPA-3050A 10 Potassium (K.) mg/kg 168.7 USEPA-3050A 11 Total Nilrogen (N) mg/kg 4.36 ETS/STP/SOIL-15 12 Chloride (Cl) mg/kg 349.0 BS 1377-3 13 Magnesium.(Mg) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter.(OM) % 0.51 IS 2720 (Pat-22) 16 Cadmium.(Al) mg/kg 0.38 USEPA-3050A 17 Chromium.(Cd) mg/kg 0.46 USEPA-3050A 18 Copper.(Cu) mg/kg 1.48 USEPA-3050A 19 Iron.(Fe) mg/kg 1.48 USEPA-3050A 20 Lead.(Pb) mg/kg 0.54 USEPA-3050A 21 Manganese.(Mn) mg/kg 1.53 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.53 USEPA-3050A | | Samp Packii Packe S. No. 1 2 3 4 6 6 | le Quantity ng Condition ed In Test Paramete Sand Sitt Clay Electrical Conductivity (EC) pH Bulk Density | 2.0 kg, SEALED ZIP POLY BAG | % % % % \$/cm | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-25) | |
| 10 Potassium (K.) mg/kg 158 7 USEPA-3050A 11 Total Nilrogen (N) mg/kg 4.36 ETS/STP/SOIL-15 12 Chloride (Ci) mg/kg 349.0 BS 1377 -3 13 Magnesium, (Mg) mg/kg 74.9 ETS/STP/SOIL-15 14 Organic Matter (OM) % 0.51 IS 2720 (Part-22) 14 Organic Matter (OM) % 0.51 IS 2720 (Part-22) 15 Aluminium, (Al) mg/kg 0.38 USEPA-3050A 17 Chromium, (Cr) mg/kg 0.51 USEPA-3050A 18 Copper, (Cu) mg/kg 1.48 USEPA-3050A 19 Iron, (Fe) mg/kg 1.48 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packii Packe S. No. 1 2 3 4 6 6 7 8 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) | 2.0 kg, SEALED ZIP POLY BAG | % % % \$/cm | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-25) IS 2386 (Part-4) | |
| 11 Total Nilrogen (N) mg/kg 4.36 ETS/STP/SOIL-15 12 Chloride (Cl) mg/kg 349.0 BS 1377-3 13 Magnesium, (Mg) mg/kg 74.9 ETS/STP/SOIL-18 14 Organic Matter (OM) % 0.51 IS 2720 (Part-22) 15 Aluminium, (Al) % 0.38 USEPA-3050A 16 Cadmium, (Cd) mg/kg 0.46 USEPA-3050A 17 Chromium, (Cr) mg/kg 0.51 USEPA-3050A 18 Copper, (Cu) mg/kg 1.48 USEPA-3050A 19 Iron, (Fe) mg/kg 0.54 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packii Packe S. No. 1 2 3 4 6 6 7 8 8 9 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) | 2.0 kg, SEALED ZIP POLY BAG | % % % \$/cm /cm3 % | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-4) IS 2720 (Part-25) IS 2386 (Part-4) IS 2720 (Part-2) | |
| 12 Onlottide (Ci) mg/kg 349.0 BS 1377 -3 13 Magnesium, (Mg) mg/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter (OM) % 0.51 IS 2720 (Part-22) 15 Atuminium, (Al) mg/kg 0.38 USEPA-3050A 16 Cadmium, (Cd) mg/kg 0.46 USEPA-3050A 17 Chromium, (Cr) mg/kg 0.51 USEPA-3050A 18 Copper, (Cii) mg/kg 1.48 USEPA-3050A 19 Iron, (Fe) mg/kg 1.48 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 7 8 8 9 10 | le Quantity ng Condition ed In Test Paramete Texture Sand Sitt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) | 2.0 kg, SEALED ZIP POLY BAG er L | % % % \$/cm /cm3 % | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-2) USEPA-3050A | |
| 13 Imagnesionn (Mg) Img/kg 74.9 ETS/STP/SOIL-08 14 Organic Matter (OM) % 0.51 IS 2720 (Part-22) 15 Aluminium (Al) mg/kg 0.38 USEPA-3050A 16 Cadmium (Cd) mg/kg 0.46 USEPA-3050A 17 Chromium (Cr) mg/kg 0.51 USEPA-3050A 18 Copper (Cu) mg/kg 1.48 USEPA-3050A 19 Iron (Fe) mg/kg 129.2 USEPA-3050A 20 Lead (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese (Mn) mg/kg 1.53 USEPA-3050A 22 Zinc (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packii Packe S. No. 1 2 3 4 5 6 7 8 9 10 11 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) | 2.0 kg, SEALED ZIP POLY BAG ar L | % % % % % (cm3 % % g/kg g/kg g/kg | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 158.7 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A USEPA-3050A | |
| 15 Atuminium.(Al) 0.51 IS 2720 (Part-22) 16 Cadmium.(Cd) mg/kg 0.38 USEPA-3050A 17 Chromium.(Cr) mg/kg 0.46 USEPA-3050A 18 Copper.(Cii) mg/kg 0.51 USEPA-3050A 19 iron.(Fe) mg/kg 1.48 USEPA-3050A 20 Lead.(Pb) mg/kg 0.54 USEPA-3050A 21 Manganese.(Mn) mg/kg 1.53 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 6 7 8 9 10 11 12 | le Quantity ng Condition ed In Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nilrogen (N) Chloride (Cl) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 168.7 4.36 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-26) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 | |
| 16 Cadmium.(Cd) Ing/kg 0.38 USEPA-3050A 17 Chromium.(Cr) mg/kg 0.46 USEPA-3050A 18 Copper.(Cu) mg/kg 0.51 USEPA-3050A 19 iron.(Fe) mg/kg 1.48 USEPA-3050A 20 Lead.(Pb) mg/kg 0.54 USEPA-3050A 21 Manganese.(Mn) mg/kg 1.53 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 6 7 8 8 9 10 11 12 13 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 158.7 4.36 349.0 74.9 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 BS 1377 -3 ETS/STP/SOIL-08 | |
| 17 Chromium.(Cr) mg/kg 0.45 USEPA-3050A 18 Copper.(Cii) mg/kg 0.51 USEPA-3050A 19 iron.(Fe) mg/kg 1.48 USEPA-3050A 20 Lead.(Pb) mg/kg 0.54 USEPA-3050A 21 Manganesa.(Mn) mg/kg 1.53 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 7 8 8 9 10 11 12 13 14 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter, (OM) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % g/kg g/kg g/kg g/kg g/kg % | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 62.2 158 7 4.36 349.0 74.9 0.51 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2386 (Part-4) IS 2720 (Part-26) IS 2786 (Part-2) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 BS 1377 -3 ETS/STP/SOIL-08 IS 2720 (Part-22) | |
| 18 Copper.(Cii) mg/kg 1.48 USEPA-3050A 19 Iron.(Fe) mg/kg 129.2 USEPA-3050A 20 Lead.(Pb) mg/kg 0.54 USEPA-3050A 21 Manganese.(Mn) mg/kg 1.53 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 7 8 8 9 10 11 12 13 14 15 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter. (OM) Aluminium, (Al) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg % g/kg | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 62.2 168.7 4.36 349.0 74.9 0.51 0.38 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-2) IS 2720 (Part-2) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 BS 1377 -3 ETS/STP/SOIL-08 IS 2720 (Part-22) USEPA-3050A | |
| TS Iron, (Fe) mg/kg 129.2 USEPA-3050A 20 Lead, (Pb) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 6 7 8 8 9 10 11 12 13 14 15 16 17 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter. (OM) Aluminium, (Al) Cadmium, (Cd) Chromlum, (Cr) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 62.2 168.7 4.36 349.0 74.9 0.51 0.38 0.46 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-2) IS 2720 (Part-2) USEPA-3050A USEPA-3050A IS 2720 (Part-2) USEPA-3050A USEPA-3050A USEPA-3050A | |
| Z0 Lead, (PD) mg/kg 0.54 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.53 USEPA-3050A 22 Ziac, (Zn) mg/kg 1.53 USEPA-3050A | | Samp Packin Packe S. No. 1 2 3 4 6 7 8 8 9 10 11 12 13 14 15 16 17 18 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter. (OM) Aluminium, (Al) Cadmium, (Cd) Chromlum, (Cr) | 2.0 kg. SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 62.2 158 7 4.36 349.0 74.9 0.51 0.38 0.46 0.51 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-25) IS 2386 (Part-4) IS 2720 (Part-25) IS 2386 (Part-4) IS 2720 (Part-25) USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A | |
| Z1 Manganesa.(Mn) mg/kg 1.53 USEPA-3050A Z2 Ziac.(Zn) mg/kg 1.25 USEPA-3050A | | Samp Packii Packii Packe S. No. 1 2 3 4 6 6 7 7 8 8 9 10 11 12 13 14 15 16 17 18 19 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter. (OM) Aluminium, (Al) Cadmium, (Cd) Chromlum, (Cr) Copper. (Cu) Iron, (Fe) | 2.0 kg, SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 158 7 4.36 349.0 74.9 0.51 0.38 0.46 0.51 1.48 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-25) IS 2386 (Part-4) IS 2720 (Part-25) IS 2386 (Part-4) IS 2720 (Part-25) USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A | |
| | | Samp Packii Packii Packei S. No. 1 2 3 4 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K.) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter (OM) Aluminium, (Al) Cadmium, (Cd) Chromium, (Cd) Chromium, (Cd) Chromium, (Cd) Chromium, (Cd) | 2.0 kg, SEALED ZIP POLY BAG ar L | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 168 7 4.36 349.0 74.9 0.51 0.38 0.46 0.51 1.48 129.2 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-25) IS 2366 (Part-4) IS 2720 (Part-25) IS 2366 (Part-4) IS 2720 (Part-25) USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A | |
| a tan indiana ana ana ana ana ana ana ana ana ana | | Samp Packii Packii Packei S. No. 1 2 3 4 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter (OM) Atuminium, (Al) Cadmium, (Cd) Chromlum, (Cd | 2.0 kg, SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 168 7 4.36 349.0 74.9 0.51 0.38 0.46 0.51 1.48 129.2 0.54 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-2) IS 2386 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A | |
| | | Samp Packii Packii Packei S. No. 1 2 3 4 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | le Quantity ng Condition ed In Test Paramete Texture Sand Silt Clay Electrical Conductivity (EC) pH Bulk Density Water Holding Capacity (WHC) Sodium, (Na) Potassium (K) Total Nitrogen (N) Chloride (Cl) Magnesium, (Mg) Organic Matter (OM) Atuminium, (Al) Cadmium, (Cd) Chromlum, (Cd | 2.0 kg, SEALED ZIP POLY BAG | % % % % % % g/kg g/kg g/kg g/kg g/kg g/k | SANDY CLAY LOAM 49.8 27.1 23.1 22.1 7.27 1.20 14.0 82.2 168 7 4.36 349.0 74.9 0.51 0.38 0.46 0.51 1.48 129.2 0.54 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-2) IS 2386 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A USEPA-3050A | |



- Note: CHECKED DE 1. Test reports without ETS LAR HOLOGRAM are not issued by our laboratory. 2. The results indicated only refer to the tested samples and listed applicable parameters. 3. No complete test in the cutertained if received after 7 days of issue of test report.

4. Our Rability trainited to involve value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed kumediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

mg/kg

46.7

For ENVIRO-TECH SERVICES

*****End of Test Report*****

ETS/STP/SOIL-19



. |

| lo. HSPC | B-060001(0014)/12/2023 47ESTEBI | | | | | mputer No. 10 | | | | |
|----------|------------------------------------|---|------------------------|---|--------------------------------------|---------------------|--|--|--|--|
| ETS-LAB | li li | CO-TECH GOVERNMENT APP of G.T. Road Industrial com Website : www.e | PROVE | Дн. Ансіційскі Хабоч DLAB) Ghaziabad (U.P.) - | 201001 | ISD 45001 | | | | |
| | | TEST R | | | | | | | | |
| | TEST REPORT NO .: | ETS/2023/03/412 | - | | OF REPORT: 2 | 22.03. 202 3 | | | | |
| | SO | IL SAMPLE AN | | | | | | | | |
| - | Name And Address of Custom | er : M/s, The Prompt E District Palwal, Ha | es Pvl Ltd , Village ' | Dhatir & Dudhola | i, Tehsil & | | | | | |
| | Date of Sampling | 15.03.2023 | | | | | | | | |
| | Analysis Start Date | 17.03.2023 | | | | | | | | |
| | Analysis End Date | 21.03.2023 | | | | | | | | |
| | Sample ID No | | ETS/TP-112 | | | | | | | |
| | Sampling Done By | ETS STAFF | | | | | | | | |
| | Sampling Description | SOIL | | - | | ንድግር ነ | | | | |
| | Sampling Location | SQ- 5;Shiv Ram N | Mandir,(| Lat 28°13'22.72"N; | LONG-11 14 01. | 25 1.) | | | | |
| | Sampling Method | ETS/STP/SOIL-0 | 1 | | | | | | | |
| | Sample Quantity | 2,0 kg. | | | | | | | | |
| L . | Packing Condition | SEALED | | | | | | | | |
| | Packed In | ZIP POLY BAG | | | | l | | | | |
| l | S. No. Test Pa | ameter | Unit | Result | Test Method | | | | | |
| l | 1 Texture | | | SANDY CLAY LOAM | | | | | | |
| b. | 2 Sand | | % | <u>52.3</u> 24.1 | IS 2720 (Part-4) IS 2720 (Part-4) | | | | | |
| l | 3 Sitt | | % % | 23.6 | IS 2720 (Part-4) | 1 | | | | |
| i. | 4 Clay | | 70 | - <u>- 23.0</u> | 10 44767 | 1 | | | | |

| | | % | 52,3 | IS 2720 (Part-4) |
|----------|------------------------------|----------|--|---|
| 2 | Sand | | 24.1 | IS 2720 (Pert-4) |
| 3 | Sitt | % | ······································ | IS 2720 (Part-4) |
| 4 | Clay | <u> </u> | 23.6 | the second se |
| 5 | Electrical Conductivity (EC) | us/cm | 22 7 | IS 14767 |
| 6 | pH | | 7,23 | IS 2720 (Part-26) |
| 7 | Bulk Density | g/cm3 | 1.03 | IS 2386 (Part-4) |
| 8 | Water Holding Capacity (WHC) | % | 13.2 | IS 2720 (Part-2) |
| 9 | Sodium,(Na) | mg/kg | 82.8 | USEPA-3050A |
| 10 | Potassium (K) | nig/kg | 169.5 | USEPA-3050A |
| 11 | Total Nitrogen (N) | mg/kg | 3.62 | ETS/STP/SOIL-15 |
| 12 | Chloride.(Ci) | mg/kg | 282.0 | BS 1377 -3 |
| 13 | Magnesium, (Mg) | mg/kg | 86.8 | ETS/STP/SOIL-08 |
| 14 | Organic Matter, (OM) | 1 % | 0.60 | IS 2720 (Part-22) |
| 16 | Atuminium,(Al) | mg/kg | 0.39 | USEPA-3050A |
| 16 | Cadmium.(Cd) | mg/kg | 0,45 | USEPA-3050A |
| 17 | Chromium.(Cr) | mg/kg | 0,30 | USEPA-3050A |
| 18 | Copper.(Cu) | nĸj/kg | 1.51 | USEPA-3050A |
| 19 | Iron (Fe) | mg/kg | 131.8 | USEPA-3050A |
| 20 | Lead.(Pb) | mg/kg | 0.34 | USEPA-3050A |
| 21 | Manganese,(Mn) | mg/kg | 1.30 | USEPA-3050A |
| 22 | Zinc,(Zn) | mg/kg | 1 68 | USEPA-3050A |
| 23 | (Nickel,(Ni) | mg/kg | 73.7 | USEPA-3050A |
| 24 | Calcium.(Ca) | mg/kg | 209.7 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | ma/kg | 43.3 | ETS/STP/SOIL-19 |
| <u> </u> | | | | ***** End of 1 |



Note:-1. Test sparts station PAS HAB EFOLOGRAM are not issued by our laboratory. 2. The results indicator only refer to the tested samples and listed applicable parameters. 3. No comparing will be extertained if received after 7 days of issue of test report.

4. Our fiability is kimited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed intendiately after issue of fest report. 6. This test report thall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



AUTO RUMRAJ

| | | ENVIK | RO-TECI | 73 | ERVIC An Analytical La | | |
|--|------------------|--|---|------------------|--|--------------------------------------|--------------|
| 600 | | (A | GOVERNMENT A | PRO | /FÑIAR\ | ooratory | ISO 45001 |
| ETS-LAB | | Plot No. 1/32, S.S. c | of G.T. Road Industri | al Ara | a. Ghaziabad (II D | 0 | |
| | | email : etslab2012@gmail.c | om Website : www | etslab | in Ph.: 9911516 | 076. 9811736063 | |
| | | | | | | | |
| | | | TEST | REP | ORT | | |
| and the second s | TES | T REPORT NO.: | ETS/2023/03/41; | 6 | D/ | ATE OF REPORT: | 22.03.2023 |
| 1 | | 90 | | | | | 22.00.2020 |
| | | | IL SAMPLE A | | | | |
| | Nan | e And Address of Custome | r : M/s, The Prompt District Palwal, H | Enlerp aryana | rises Pvt Ltd , Villag | ge Dhalir & Dudho | la, Tehsii & |
| | Date | of Sampling | | | | | |
| | | ysis Start Date | 15.03.2023 | | | | |
| | | ysis End Date | 17.03.2023 21.03.2023 | | | | , |
| ż | | ple ID No | ETS/TP-113 | | | | |
| | | pling Done By | ETS STAFF | | | | |
| | | pling Description | SOIL | | | | |
| | Sam | pling Location | SQ- 6:MS Hospile | ai Dhat | ir.(Lat 28°11'22.59 | "N:Long - 77°14'4; | 3.21"E) |
| | Sam | pling Method | | | | - | |
| | | ple Quantity | ETS/STP/SOIL-0 2.0 kg. | 1 | | | |
| | Pack | ing Condition | SEALED | | | | |
| | Pack | ed in | ZIP POLY BAG | | | | |
| | S. No | . Test Param | ator | | ······································ | | |
| | 1 | Texture | ······································ | Unit | Result | Test Method | |
| | 2 | Sand Silt | | % | SANDY CLAY LOAM 49.8 | IS 2720 (Part-4) IS 2720 (Part-4) | |
| | 4 | Clay | | % | 27.2 | IS 2720 (Part-4) | |
| | 5 | Electrical Conductivity (EC) | ······································ | % Is/cm | 23.0 20.8 | IS 2720 (Pait-4) IS 14767 | |
| | 6 7 | PH Bulk Density | | 1 · 1 | 7.28 | IS 2720 (Part-26) | |
| | 8 | Water Holding Capacity (WHC) | <u> </u> | vicin3 | 1.20 | IS 2386 (Part-4) | |
| | 9 | Sodium.(Na) | | % ¥3/kg | 21.3 89.5 | 15 2720 (Part-2) USEPA-3050A | |
| | 10 11 | Potassium (K) Total Nitrogen (N) | | ng/kg | 191.5 | USEPA-3050A | |
| | 12 | Chloride, (Cl) | | 10/kg 10/kg | | ETS/STP/SOIL-15 | |
| | <u>13</u> 14 | Magnesium,(Mg) | ······································ | ig/kg | | BS 1377 -3 ETS/STP/SOIL-08 | |
| | 14 15 | Organic Matter.(OM) Atumintum,(Al) | ······································ | % | 0.67 | IS 2720 (Part-22) | |
| ļ | 16 | Cadmium,(Cd) | | g/kg g/kg | 0.42 | USEPA-3050A | |
| | 1 <u>7</u> 18 | Chromium.(Cr) Copper.(Cu) | | g/kg | • • • • | USEPA-3050A | |
| | 19 19 | liron,(Fe) | m | g/kg | 1.63 | USEPA-3050A | |
| J- | 20 | Lead (Pb) | | g/kg g/kg | 150.2 | USEPA-3050A | |
| ŀ | 21 22 | Manganese,(Mn) Zinc.(Zn) | F | g/kg | | USEPA-3050A USEPA-3050A | |
| | 23 | Nickel,(N) | <u>m</u> | g/kg | 1.73 | JSEPA-3050A | |
| ļ. | 24 | Calcium.(Ca) | ····•••••••••••••••••••••••••••••••••• | 9/kg p/kg | 96.1 | JSEPA-3050A | |
| Ļ | 25 | Phosphorus (PO4) | | 2/ kg | | S 2720 (Part-23) TS/STP/SOIL-19 | |
| | | | | | | "**** End of Test | Report**** |
| Ĥ | OR FAN | VIRO- TECH SERVICES | | | For E | NVIRO-TECH | - |
| | AS. | A started and the started at the sta | | | | TECH (| SERVICES |
| Note:- 🔨 👘 | HECK! | D BY ETS LAB HOLOGRAM are no | | | | | Manager |

will be entertained if received after 7 days of issue of test report.

Au companies sum of cutertained is reversed after 7 ways or issue or issues process.
 Our Rability is limited to invoice value only.
 The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
 This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



An Analytical Paboratory

ISO 45081

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etstab2012@gmail.com ___Website : www.etstab.in [Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO.:

ETS/2023/03/414

DATE OF REPORT: 22.03.2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Harvana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

Sampling Method Sample Quantity **Packing Condition** Packed In

15.03.2023 17.03.2023 21.03.2023 ETS/TP-114 **ETS STAFF** SOIL SQ-7;Bharat Public School, Dudhola,(Lat.- 28°11'39.89"N;Long.-77°16'37.86"E) ETS/STP/SOIL-01 2.0 kg. SEALED **ZIP POLY BAG**

| S. No. | Test Parameter | Unit | Result | Test Method |
|------------|------------------------------|--|-----------------|-------------------|
| 1 | Texture | | SANDY CLAY LOAM | IS 2720 (Part-4) |
| 2 | Sand | % | 54,8 | IS 2720 (Part-4) |
| 3 | Silt | % | 19.9 | IS 2720 (Part-4) |
| 4 | Clay | % | 25.2 | IS 2720 (Part-4) |
| 5 | Electrical Conductivity (EC) | us/cm | 23.6 | IS 14767 |
| 6 | рН | ······································ | 7.31 | IS 2720 (Parl-26) |
| 7 | Bulk Density | g/c/n3 | 1,17 | IS 2386 (Part-4) |
| 8 | Water Holding Capacity (WHC) | % | 19.2 | 1S 2720 (Part-2) |
| 9 | Sodium, (Na) | mg/kg | 84.2 | USEPA-3050A |
| 10 | Potassium (K.) | mgikg | 153.1 | USEPA-3050A |
| 11 | Total Nilrogen (N) | mg/kg | 5.12 | ETS/STP/SOIL-15 |
| 12 | Chlonde (Ci) | mg/kg | 358.2 | BS 1377 -3 |
| 13 | Magnesium,(Mg) | i mg/kg | 84.8 | ETS/STP/SOIL OB |
| 14 | Organic Matter, (OM) | % | 0.72 | IS 2720 (Parl-22) |
| 15 | Aluminium.(Al) | mg/kg | 0,33 | USEPA-3050A |
| 16 | Cadmium.(Cd) | mg/kg | 0.45 | USEPA-3050A |
| 17 | Chromium.(Cr) | mg/kg | 0.32 | USEPA-3050A |
| 18 | Copper (Cu) | mg/kg | 1.72 | USEPA-3050A |
| 19 | Iron.(Fe) | mg/kg | 142.3 | USEPA-3050A |
| 20 | Lead,(Pb) | mg/kg | 0.38 | USEPA-3050A |
| 21 | Manganese (Mn) | mg/kg | 1.54 | USEPA-3050A |
| Ž 2 | Zinc,(Zn) | mg/kg | 2 00 | USEPA-3050A |
| 23 | Nickel, (Ni) | mg/kg | 93.7 | USEPA-3050A |
| 24 | Calcium,(Ca) | mg/kg | 219.3 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | mg/kg | 48.9 | ETS/STP/SOIL-19 |



HORKERATENALORY

For ENVIRO-TECH SERVICES

FOR ENVIRO- TECH SERVICES

Notes CHECKED/6

I. Test reports withour [15 LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after joyge of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | | | 014)/12/20 | 23-SOLID V | VASTE MAI | NAGEMEN | NT CELL-HSPCB (C | Computer No. | . 10454 | |
|---------|---------|--|---------------------------|---------------|--------------------------------------|---------------------------------------|---|---|----------|--|
| 3191551 | ETS-LAB | An Analylicul Laboratory (A GOVERNMENT APPROVED LAB) | | | | | | | | |
| | | TEST | REPORT NO. | ETS/2023/03/4 | | REPORT | • DATE OF REPORT | 21.03.2023 | · | |
| | | | | | | | | 21:00,2023 | | |
| | | NOISE MONITORING REPORT | | | | | | | | |
| | | Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola. Tel & District Palwal, Haryana | | | | | | | | |
| | | Date c | of Monitoring | | 15.03.2023 | | | | , ` | |
| | | Monitoring Start Date Monitoring End Date Duration Of Monitoring | | | 15 03.2023 16.03.2023 24 HOURS | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | Sampl | ie ID No | | ETS/TP-100 | | | | | |
| | | Monitoring Done By | | | ETS STAFF | | | | | |
| | | Sampl | ing Location | | NQ- 1;Project s | site ,{Lat 28* | 12'9.69"N,Long 77°15'40 | .39"E) | - | |
| | | | ing Melhod ory Of Area | : | ETS/STP/NOIS | | | | • | |
| | | S. No. | Test Paramete | | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | - | |
| | | 1 | Day Time Noise | e Level | Leq :dB (A) | 63.6 | 75 | IS: 9989 | <u> </u> | |
| | | 2 | Night Time Noi | se Level | Leq :dB (A) | 54,9 | 70 | IS: 9989 | | |
| | | - | 1 D 0 . | | | · · · · · · · · · · · · · · · · · · · | - Antonia - Constant Constant - Constant | Politica and a second se | | |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M. Night time is reckaned in between 10.00 P.M. and 06.00 A.M.

FOR ENVIRON TECH SERVICES Note:-÷.

For ENVIRO-TI SERVICES AUTHORIZED'SIGNATORY Quality Manager

I. Test report with the LAB HOLOGRAM are not issued by our laboratory. 2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or averidence in the court of Law without prior written permission of the laboratory.

4. Our liability is limited to invoice value only.

5. The sample shall be desirayed after 15 days & Biological / Perishable sample shall be destroyed immediately gher issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

| 3191551/2024/Estt.Br | | |
|----------------------|--------------------------|--|
| | | |
| | An Amalutical Laboratory | |

| An Analytical Labora | lory |
|----------------------|------|
|----------------------|------|

ISO 4500

| ι, | <u>(SLIC)</u> |
|----|---------------|
| _ | |
| | ETS-LAB |

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO .: ETS/2023/03/403

DATE OF REPORT: 22.03.2023

NOISE MONITORING REPORT

M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil Name And Address of Customer & District Palwal, Harvana

| S No Test Parameter | | linit | Result | Specification/ Limit | Test Method |
|------------------------|---|------------------------------|--------|-----------------------------|--------------|
| Category Of Area | ; | SILENCE AR | EA | | |
| Sampling Method | : | ETS/STP/NO | * | | |
| Sampling Location | , | NQ-3;8 M Mo 77°15'56,84"8 | | hola, Palwal (Lat - 28°12'3 | 32.17"N(Long |
| Monitoring Done By | | ETS STAFF | | | |
| Sample ID No | | ETS/TP-102 | | | |
| Duration Of Monitoring | | 24 HOURS | | | |
| Monitoring End Date | | 16.03.2023 | | | |
| Monitoring Start Date | | 15.03.2023 | | | |
| Date of Monitoring | | 15.03.2023 | | | |

| S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leq dB(A) | Test Methoa |
|--------|------------------------|-------------|--------|--|-------------|
| ł | Day Time Noise Level | Leq :dB (A) | 45.8 | 50 | IS. 9989 |
| 2 | Night Time Noise Level | Leq :dB (A) | 37,1 | 40 | IS: 9989 |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M. Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



For ENVIRO-TECH SERVICES

HUMRAJ KNOGANGAR (THE REPORT OF

1. Test reports without ITS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is finited to invoice value only.

5. The sample shall be destroyed after 15 days & Biologics1 / Perishable sample shall be destroyed immediately after issue of fest report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. 390

| ISPCB-06 | 0001(| 0014)/12/2023-SOLID | | | | mputer No. | | |
|----------|--|---------------------------|--|--------------|--|-------------|--|--|
| ETS-LAB | An Analytical Laboratory (A GOVERNMENT APPROVED LAB) Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email : etstab2012@gmail.com Website : www.etstab.m Pn.: 9711516076.9811736083 | | | | | | | |
| | | nan i enado iz@gnuu.com | VVCDSHC . WWA | .eisia0.%; (| FR. 2013 910076, 56 11756 | | | |
| | | | TEST F | EPORT | - | | | |
| | TEST | REPORT NO.: ET\$/2023/03 | 3/404 | | DATE OF REPORT | 22.03.2023 | | |
| | | NO | ISE MONITO | DRING R | EPORT | | | |
| | Name | And Address of Customer | M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Teh & District Palwal, Haryana | | | | | |
| | Date o | f Monitoring | 15.03.2023 | | | | | |
| | Monito | pring Start Date | 15.03.2023 | | | | | |
| | Monito | pring End Date | 16.03.2023 24 HOURS | | | | | |
| | Durati | on Of Monitoring | | | | | | |
| | Sampl | e ID No | ETS/TP-103 | | | | | |
| | Monitoring Done By Sampling Location | | ETS STAFF : NQ- 4:Arogyam,(Lat 28°12'47.53"N;Long 77°14'10.71"E) | | | | | |
| | | | | | | | | |
| | - | ing Method pry Of Area | : ETS/STP/NOIS : COMMERCIAL | | | | | |
| | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | | |
| | L | Day Time Noise Level | Leq :dB (A) | 51.9 | 65 | IS: 9989 | | |
| | 2 | Night Time Noise Level | Leg :dB (A) | 43.2 | 55 | IS: 9989 | | |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M. Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



1. Test render Simon DIS LAB HOLOGRAM are not issued by our taboratory. 2. The result's indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without priografiten permission of the laboratory.

For ENVIRO-TECH SERVICES



| | | 001(0014)/12/2023-S | OLID WASTE | MANAGE | MENT CELL-HSPCE | <u>3 (Computer</u> | | |
|------------------------------|---|-------------------------|--|----------------------------------|--|--------------------|--|--|
| 9 <u>1551/202</u> ETS-LAB | | ENVIR (A G | OVERNMENT A G.T. Road Industr | ۸۸ PPROVED L ial Area, Gha | aziabad (U.P.) - 201001 | SO 45001 | | |
| | TEST | REPORT NO .: ETS/2023/0 | DATE OF REPORT | 22.03.2023 | | | | |
| | | NO | ISE MONITO | | FPORT | | | |
| | Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Te & District Palwal, Haryana | | | | | | | |
| | Date o | f Monitoring | 15.03.2023 | | | | | |
| | Monito | ring Start Date | 15.03.2023 | | | | | |
| | Monito | ving End Date | 16.03.2023 | | | | | |
| | Duratio | on Of Monitoring | 24 HOURS | | | | | |
| | Sample | e ID No | ETS/TP-104 | | | | | |
| | Monito | ring Done By | ETS STAFF | | | | | |
| | Sampling Location | | : NQ- 5;8 P Mushrom Farm; Dhatir,(Lat 28°12'22.87"N;Long 77°14'56.03"E) | | | | | |
| | · · | ory Of Area | ETS/STP/NOIS | | | | | |
| | Ş. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | | |
| | 1 | Day Time Noise Level | Leq :dB (A) | 44.0 | 50 | IIS: 9989 | | |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

Leq :dB (A)

35.3

40



1

2

Night Time Noise Level

I. Test reput Shaper T'S LAB HOLOGRAM are not issued by our laboratury.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is fimited to involce value only.

3. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after isograf test report.

6. This test report shall not be used in any advertising media at as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH GERVICES



IS: 9989

10454

| . HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEN 15 1/2024/Estt.Br ETS-LAB ETS-LAB ETS-LAB HOL No. 1/32, S.S. of G.T. Road Industrial Area email : etslab2012@gmail.com , Website : www.etslab. | | | | | An Analylical Laboratory ROVED LAB) Area, Ghaziabad (U.P.) + 201001 | | | | |
|---|--|---------------------------|--|---|---|-------------|--|--|--|
| | TEST | REPORT NO.: ETS/2023/0 | | DATE OF REPORT 22.03.2023 | | | | | |
| | NOISE MONITORING REPORT | | | | | | | | |
| | Name | And Address of Customer | omer : M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, T & District Palwal, Haryana | | | | | | |
| | Date o | f Monitoring | 15.03.2023 | | | | | | |
| | Monito | uring Start Date | 15.03.2023 | 15.03.2023 | | | | | |
| | Monito | pring End Date | 16,03,2023 | | | | | | |
| | Duration Of Monitoring Sample ID No | | 24 HOURS | 24 HOURS | | | | | |
| | | | ETS/TP-105 | | | | | | |
| | Monito | pring Done By | ETS STAFF | ETS STAFF NQ-6;MS Hospital Dhatir,(Lat 28°11'22.59"N;Long 77°14'43.21"E) | | | | | |
| | Sampl | ing Location | NQ-6,MS Hosp | | | | | | |
| | • | ing Method bry Of Area | | ETS/STP/NOISE-01 SILENCE AREA | | | | | |
| | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | | | |
| | 1 | Day Time Noise Level | Leq :dB (A) | 46.0 | 50 | IS: 9989 | | | |
| | 2 | Night Time Noise Level | Leg :dB (A) | 37.3 | 40 | 18: 9989 | | | |



t. Test and ALSALE BY'S LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report,

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without pr@Orliten permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH SERVICES

AUCHORIZEONSIGNATERY

| IS-LAB | ец | Plot No. 1/32, S.S. of G. | OVERNMENT AP .T. Road Industria | | • | |
|----------------|---------|---|---|-------------------------------|--|--|
| | en | | | ii Alea, Gha | ziabad (U.P.) - 201001 | |
| | | iail:etsiab2012@gmail.com | Website www. | etslab.in 1 | Ph.: 9911516076, 9811736 | 063 |
| | | | | | | ······································ |
| 213 E75-188 | | | | REPORT | - | |
| | TEST | REPORT NO.: ETS/2023/03 | 3/407 | | DATE OF REPORT | 22.03.2023 |
| | | NO | ISE MONITO | RING R | EPORT | |
| | Name | And Address of Customer | : M/s, The Prom & District Palwa | ol Enterprisea al, Haryana | Pvt Ltd , Village Dhalir & I | Dudhola, Tehsil |
| | Date c | Monitoring | 15.03.2023 | | | |
| | | pring Start Date | 15.03.2023 | | | |
| I | Monito | pring End Date | 16.03.2023 | | | |
| 1 | Duratio | on Of Monitoring | 24 HOURS | | | |
| : | Sampl | e ID No | ETS/TP-106 | | | |
| ł | Monite | pring Done By | ETS STAFF | | | |
| : | Sampl | ing Location | | | Oudhola.(Lat 28°11'39.89 | "N;Long |
| | Samol | ing Method | 77°16'37.86"E) | | | |
| | | ory Of Area | : SILENCE ARE/ | | | |
| | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| | 1 | Day Time Noise Level | Leq :dB (A) | 47 7 | 50 | IS: 9989 |
| ſ | 2 | Night Time Noise Level | Leq :dB (A) | 39.0 | 40 | 1S: 9989 |
| I | Remai | rk: Day time is reckoned in be Night time is reckoned in b | tween 06.00 A.M. a etween 10.00 P.M. | and 10.00 P.A and 06.00 A. | А. М. | <u>↓</u> |



For ENVIRO-TECH SERVICES



1. Test report Hitser 23 LAB HOLOGRAM are not issued by our laboratory. 2. The results indicated only refer to the tested samples and listed applicable parameters. 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

I

. --.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately aftypysue of test report. 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately aftypysue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. nefaced from CONICE by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| 0. HSPCB-0 915517202476 | | | 2/2023-SO | LID WAST | <u>e man</u> | AGEME | NT CELL-HSPCB (| (Computer No. | 10.4 |
|----------------------------|---------|-------------------------------|--------------------------|---------------------------------|-----------------------|--|--|--|----------|
| ETS-LAB | | Plot N | (A (o. 1/32, S.S. of | GOVERNME G.T. Road In | NT APPR dustrial A | A م OVED L. trea, Gha | RVICES Anolytical Laboratory AB) ziabad (U.P.) - 201001 Ph.: 9911516076, 981173 | 6063 | |
| | | <u> </u> | | | T REP | ORT | | ាមលោក ការ ការស្រីទំនាំសិន y - បារប | |
| | TEST F | REPORT NO.: | ETS/2023/04/447 | 7 | | | DATE OF REPORT | T: 22.04.2023 | -1 |
| | | | WATER | | E ANA | LYSIS | REPORT | | -1 |
| | Name | And Address | of Customer : | M/s, The Prop District Palwa | | | Ltd , Village Dhatir & Dud | hola, Tehsil & | ן ר- |
| | Date o | of Sampling | | 15.04.2023 | | | | | |
| | | sis Start Date | | 17.04.2023 | | | | | |
| | | sis End Date | | 21.04.2023 | | | | | |
| | | e ID No ing Done By | | ETS/TP-147 ETS STAFF | | | | | |
| | | ing Done by ing Descriptic | 30 | SURFACE W | | | | | |
| | | ing Location | . = 7 | | | e Temple | Pond,(Lat 28*13'18.10" | NI ma | |
| | | | | 77*14'12.08" | E) | | | e al mine of the contract of t | |
| | | ing Method | | ET\$/\$TP/WA | TER-02 | | | | <u> </u> |
| | | e Quantity | | 2.0 + 0.5 Ltr | | | | | |
| | Packe | ig Condition | | SEALED P.V.C. AND (| 31 A 9 9 P 0 | TIC | | | |
| I . | | | w | | SEAGO DU | I LE | | | |
| | \$. No. | | Test Parameter | I III | Unit | Result | Test Method | -1 | ÷ |
| | 1 | Temperature | | | 20 | 26.5 | APHA 2550-B | ł | |
| | | Colour Odour | | ····· | Hazon | 6.33 | APHA 2120-8 | | |
| | | p44 | | | | | APHA 2150-8 | | - |
| | | The Disastory | | | | 7.33 | APHA 4500-H+ | | |

| | | < 2636.8741 | 9.00 | 100 110 X (XU-D) |
|-----------------------|--|--|-----------|--------------------|
| 3 | Odeur | { | Odourless | APHA 2150-8 |
| 4 | pf+ | | 7.33 | APHA 4500-H+ |
| 5 | Total Dissolved Solids,(TDS) | mg/L | 601.1 | APHA 2540-C |
| 6 | Biological Oxygen Demand(BOD3d270C) | | 9.0 | IS: 3025 (Pan-44) |
| 7 | Chemical Oxygen Demand.(COD) | | 77.0 | APHA 5220-B |
| 8 | Calcium.(Ca) | mg/L | 58.6 | APHA 3500 (Ca)-B |
| 9 | Turbidity | NTU | 6 33 | APHA 2130-B |
| 10 | Total Hardness (CaCO3) | mg/L | 219.9 | APHA 2340-C |
| 11 | Dissolved Oxygen(DO) | mon | 6.00 | APHA 4500 (O)-C |
| 12 | Anionic Detergent (MBAS) | ······································ | < 0.01 | |
| 13 | Magnesium,(Mg) | <u> </u> | 17,6 | APHA 5540-C |
| 14 | Chloride, (CI) | mg/L | | APHA 3500 (Mg)-B |
| 15 | Conductivity | mg/L | 58.6 | APHA 4500 (CL-)-B |
| 16 | Nitrate (NO3) | jis/cm | 910.7 | APHA 2510-8 |
| 17 | Sulphate,(SO4) | mg/L | 3.33 | APHA 4500:(NO3-)-8 |
| 18 | Potassium (K) | mg/L | 84.3 | APHA 4500 (SO4)-E |
| 19 | Fluoride (F) | mg/L | 12.3 | APHA-3120B |
| 20 | the second s | mg/L | 0.24 | APHA 4500 (F-)-D |
| 21 | Chromium,(Cr+6) | mg/L | < 0.01 | APHA 3500 (Cr) B |
| and the second second | Cyanide.(CN) | mg# | N.O. | APHA 4500.(CN-)-D |
| 22 | Cadmium (Cd) | mg/i_ | | APHA 31208 |
| 23 | Sodium,(Na) | mg/L | 82 1 | APHA-31208 |
| 24 | Copper,(Cu) | mg/L | | APHA 31208 |
| 25 | lran (Fe) | mg/L | | APHA-3120B |
| 26 | Boren (B) | mg/L | | APHA 4500.(B)-C |
| 27 | Zinc,(Zn) | mg/L | | APHA-31208 |
| 26 | Manganese.(Mn) | mg/L | | APHA-31208 |
| 29 | Phenolic Compound (C6H5OH) | mg/i, | | APHA 5530-C |
| 30 | Mineral Oil | mg/L | | |
| 31 | Total Coliform Count | MEN/100ml | | 16 3025 (Part-39) |
| 32 | Fecal Caliform (FC) | MPN/100mL | | 15 1622 |
| - DELL | | T REPORT OF A DESCRIPTION OF A DESCRIPTI | > 1600 | IS 1622 *** |

FOR ENVIRONTECH SERVICES

Note:-

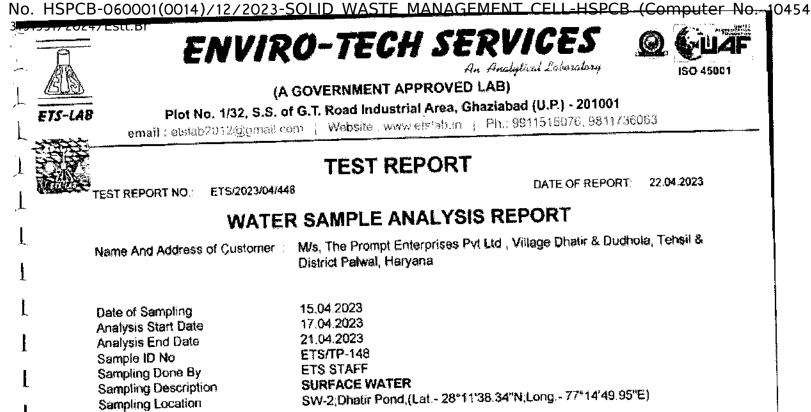
Nole:- CHECKED BY TAB HOLOGRAM are not issued by our laboratory.

The result indicated only refer to the tested samples and listed applicable parameters.
 No communication of the provision of the received after 7 days of issue of test report.
 Our liability is bounded to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after lasur of test report. 6. This test report shall not be used to any advertising media or as evidence in the court of Law without prior write permission of the laboratory.

FORENIUST DETERMINEST

AUTHORIZED SIGNAVARY J Quality Manager



Sampling Method Sample Quantity Packing Condition ETS/STP/WATER-02 2.0 + 0.5 Ltr

SEALED

| No. | Test Parameter | Unit | Result | Test Method |
|----------|-------------------------------------|-----------|-----------|--------------------|
| 1 | Temperature | 00 | 26.7 | АРНА 2550-8 |
| 2 | Colour | Hazen | 7.33 | APHA 2120-B |
| 2 | Odour | :rx | Odou/less | APHA 2150-8 |
| | D3007 | | 7.37 | APHA 4500-H+ |
| 4 | Total Dissolved Solids,(TDS) | mg/L | 630 1 | APHA 2540-C |
| <u> </u> | Biological Oxygen Demand(BOD3d270C) | mg/l_ | 11.3 | IS 3025 (Part-44) |
| 7 | Chemical Oxygen Demand (COD) | mg/L | 92.1 | АРНА 5220-В |
| 8 | (Calcium (Ca) | mg/L | 63.3 | APHA 3500 (Ca)-8 |
| <u>9</u> | Turbidity | NTU | 7.33 | APHA 2130-B |
| 10 | Total Hargness,(CaCO3) | mg/L. | 230.9 | APHA 2340-C |
| 11 | Dissolved Oxygen(DO) | mg/L | 6.48 | APHA 4500 (U)-C |
| 12 | Anionic Detergent (MBAS) | ma/L | < 0.01 | АРНА 5540-С |
| 13 | Magnesium, (Mg) | mg/L | 21.0 | APHA 3500 (Mg)-B |
| 14 | Chloride (Cl) | mg/L | 63.3 | APHA 4500 (CI-)-8 |
| 15 | Conductivity | us/cm | 940.5 | APHA 2510-B |
| 18 | Nitrate,(NO3) | ang/L | 3.60 | APHA 4500 (NO3-)-8 |
| 17 | Sutphate (SQ4) | mg/L | 91.0 | APHA 4500 (SO4)-E |
| 18 | Potassium (K) | ոցհ | 13.9 | APHA-31208 |
| 19 | | ing/L | 0 27 | APHA 4500.(F-)-D |
| 20 | Chromium (Cr+5) | mgA. | < 0.01 | APHA 3500 (Cr)-8 |
| 21 | Cyanide (CN) | mg/L | N,D | APHA 4500.(CN-)-D |
| 22 | Cadmium (Cd) | mgil. | < 0.01 | АРНА 31208 |
| 23 | Sodium (Na) | mg/l. | 92.1 | APHA-3120B |
| 24 | Copper (Cu) | mg/L | < 0.01 | APHA 3120B |
| 25 | Iron (Fé) | mg/L | 0.15 | APHA-31209 |
| 26 | Boron (B) | mġ/L | < 0.01 | APHA 4500 (8)-C |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | APHA-31208 |
| 28 | Manganese (Mn) | mg/L | < 0.01 | APHA-31208 |
| 29 | Phenolic Compound (C6H5OH) | mg/L | < 0.001 | APHA 5530-C |
| 30 | (Mineral OI | mg/L | < 0.5 | 15 3025 (Part-39) |
| 31 | Total Coldorm Count | MPN/100mL | > 1500 | IS 1622 For ENVIRE |
| | Coliform (FC) | MPN/100mL | > 1600 | IS 1622 |

FOR ENVIRO TECH SERVICES

Note:

CKEP BY 1. Test

1. Test definite without ETS LAB HOLOGRAM are not issued by our mon approach. 2. The results indicated only refer to the tested samples and fisted applicable parameters.

3. No complaint poll insentertained if received after 7 days of issue of test report.

4. Our liability to limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising modia or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

CH SERVICES *****End of Test Report*****

MULTIN AUTIONIED AIGNALOS

HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT_CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br ENVIRO-TECH SERVICES An Analytical Laboratory ISO 45001 (A GOVERNMENT APPROVED LAB) Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email: elslab2012@gmail.com | Website . www.etslab.in | Ph.: 9911516076, 9811736063 TEST REPORT TEST REPORT NO .: ETS/2023/04/449 DATE OF REPORT: 22 04 2023 WATER SAMPLE ANALYSIS REPORT Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Harvana Date of Sampling 15.04.2023 Analysis Start Date 17.04.2023 Analysis End Date 21.04.2023 Sample ID No ETS/TP-149 Sampling Done By ETS STAFF Sampling Description SURFACE WATER Sampling Location SW-3; Dudhola Pond, (Lat. - 28°12'29, 15"N; Long. - 77°15'59, 05"E) Sampling Method ETS/STP/WATER-02 Sample Quantity 2.0 + 0.5 Ltr Packing Condition SEALED Packed In P.V.C. AND GLASS BOTTLE

| . No. | , | Unit | Result | Test Method |
|--------|-------------------------------------|--|---------------------------------------|--------------------|
| 1 | Temperature | эC | 26 9 | APHA 2550-B |
| 2 | Colour | Hazen | 633 | APHA 2120-B |
| | Coour | | | APHA 2150-8 |
| | pH | | 7,42 | APHA 4500-H+ |
| 5 | Total Dissolved Solids (TDS) | mgA. | 655.7 | APHA 2540-C |
| _6 | Biological Oxygen Demand(BOD3d270C) | <u>ጠ</u> ያ/ | 7.5 | (S: 3025 (Part-44) |
| 7 | Chemical Oxygon Demand,(COD) | mgit | 85.3 | APHA 5220-B |
| 8 | Calcium (Ca) | T mg/L | 516 | APHA 3500 (Ca)-B |
| 9 | Turbidity | NTU | 5.33 | APHA 2130-8 |
| 10 | Total Hardness (CaCO3) | mg/L | 202.3 | APHA 2340-C |
| 11 | Dissolved Oxygen(DO) | | 5.28 | APHA 4500 (O)-C |
| 12 | Anionic Detergent (MBAS) | mg/L | < 0.01 | APHA 5540-C |
| 13 | Magnesium,(Mp) | mgA_ | | APHA 3500.(Mg)-8 |
| 14 | Chlonde (CI) | mgA | 516 | APHA 4500.(CI-)-B |
| 15 | Conductivity | LISICITY | | APHA 2510-8 |
| 16 | Ndrate, (NO3) | mg/L | | |
| 17 | Sulphate,(SO4) | and the second s | | APHA 4500 (NO3-)-8 |
| 18 | Potassium,(K) | mgA | | APHA 4500.(SD4)-E |
| 19 | Fluoride (F) | mg/L | | APHA-3120B |
| 20 | Chromium (Cr+6) | <u>i</u> | 0.24 | APHA 4500:(F-)-D |
| | Cyanide.(CN) | mg/L | | APHA 3500 (Cr)-8 |
| 22 | Cadmium (Cd) | mg/L | | APHA 4500 (CN-)-D |
| | Sodium (Na) | mg/L | | APHA 31208 |
| 24 | Copper (Cu) | mg/L | | APHA-31208 |
| | Iron.(Fe) | <u></u> | | APHA 31200 |
| ······ | Baron (B) | mg/l. | | APHA-31208 |
| | Zinc,(Zn) | mg/L | | APHA 4500 (B) C |
| | Manganese,(Mn) | mg/L | | APHA-31208 |
| | Phenolic Compound (C6H5OH) | mg/L | < 0.01 / | APHA-31208 |
| n ji | Mineral Oil | mg/L | · · · · · · · · · · · · · · · · · · · | APHA 5530-C |
| | Eglal Coliform Count | ng/L | | S 3025 (Part-39) |
| 2 11 | ecal Celiform (FC) | MPN/100mL | > 1600 | S 1622 |
| Stan. | IRO TECH SERVICES | MPN/100mL | > 1600 1 | 5 1622 |

Note:-

No.

1. Test

ithous TSLAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

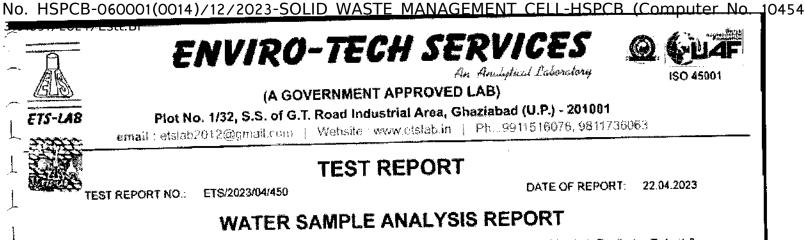
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

enerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



+ SERVICES



15.04.2023

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

*****End of Test Report

AUTHORIZED SIGNATORY

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

Sampling Method Sample Quantity **Packing Condition** Packed In

17.04.2023 21.04.2023 ETS/TP-150 ETS STAFF SURFACE WATER SW-4;Pokhar wala Madir Pond, (Lat.- 28°12'18.94"N:Long -77°13'37.63'E) ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Tost Parameter | Unit | Result | Test Method | |
|----------|-------------------------------------|-----------|-----------|-----------------------------|------|
| 4 | Temperature | 00 | 26.6 | APHA 2550-8 | |
| 2 | Colour | Mazen | | ЛРНА 2120-В | |
| 3 | Odour | 163 | Ódouriess | АРНА 2150-В | |
| 4 | DH | | 7,35 | APHA 4500-11+ | |
| <u> </u> | Total Dissolved Solids, (TDS) | mg/l. | 591.7 | APHA 2540-C | |
| 6 | Biological Oxygen Demand(BOD3d270C) | mg/L | 12.7 | IS: 3025 (Part-44) | |
| 7 | Chemical Oxygen Demand (COD) | mg/L | 99.2 | APHA 6220-8 | |
| 8 | Galcium.(Ca) | mg/L | 55.7 | APHA 3500.(Ca)-8 | |
| <u> </u> | Turbidity | NTU | 7,33 | API-1A 2130-B | |
| 10 | Total Hardness (CaCO3) | mg/L | 211.1 | APHA 2340-C | |
| 11 | Dissolved Oxygerx(DO) | mg/L | 4.50 | APHA 4500 (O)-C | |
| 12 | Aniaria: Detergent. (MBAS) | mg/L. | <001 | APHA 5540-C | |
| 13 | Magneslum (Mg) | mgA. | 39.5 | APHA 3500:(Mg)-B | |
| 14 | Chioride (CI) | mg/L | 55.7 | APHA 4500 (CI-)-8 | |
| 15 | Conductivity | lia/cm | 883.1 | APHA 2510-B | |
| 16 | Nitrate, (NO3) | mg/L | 3.17 | APHA 4500 (NO3-)-B | |
| 17 | Sulphate (SO4) | mgA | 60 1 | APHA 4500 (SO4)-E | |
| 18 | Potassium (K) | mgA | 11.8 | APHA-3120B | |
| 19 | Fluoride,(F) | ող հ | 0.29 | APHA 4500 (F-)-D | |
| 20 | Chromium.(Cr+6) | mgit | < 0.01 | APHA 3500.(Cr)-8 | |
| 21 | Cyanide (CN) | mg/L | ND | APHA 4500 (CN-)-D | |
| 22 | Cadmum,(Cd) | ուցլլ | < 0.01 | APHA 3120B | |
| 23 | Sodium (Na) | mg/L | 97.0 | APHA-31208 | |
| Z4 | Copper.(Cu) | rtig/L | < 0.01 | APHA 31208 | |
| 25 | Iron (Fe) | mg/L | 0.25 | APHA-31209 | |
| 26 | Boron,(B) | mg/L | < 0.01 | APHA 4500 (B)-C | |
| 27 | Zinc (Zn) | mg/L | < 0,01 | APHA-3120B | |
| 28 | Manganese,(Mn) | mgA_ | < 0.01 | APHA-31208 | |
| 29 | Phenolic Compound.(C6HSOH) | mgh. | < 0.001 | APHA 5530-C | |
| 30 | Mineral ON | mg/L | < 0.5 | IS 3025 (Part 39) | |
| 1 | Jota Coliform Count | MPN/100mL | > 1600 | IS 1622 FOI ENVIRO-TECH SER | VICI |
| 1032E | Fecal Coliform (FC) | MPN/100mL | > 1600 | IS 1622 | |

FOR ENVIRO JECH SERVICES

CHROKED BY Note

1. Test report without ETS LAB HOLOGRAM are not issued by our laboratory. 2. The reput single and refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our fiability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately gog issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the lakeratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| HSPCB- | | 01(0014)/12/2023-SC r | DLID WAS | <u>STE MAN</u> | AGEME | NT CELL-HSPCB (| Computer No. |
|--------|--|---|--------------------------|--|--|--|--|
| | <u> </u> | ENVIR | - | | A. | RVICES | 9 ISO 45001 |
| | <u>}</u> | • | GOVERNI | | | | |
| ETS-LA | 8 | Plot No. 1/32, S.S. c | of G.T. Road | Industrial | Area, Gh | aziabad (U.P.) - 201001 | |
| 20022 | à | email ; etsiab2012@gmail.c | om Webs | site : www.ol | tslab.in | Ph. 9911516076, 981173 | 6063 |
| 553 | 2 | | | | | , the second the community of the second | the state of the s |
| | | | TES | ST REF | ORT | | |
| | TEST | REPORT NO .: ETS/2023/04/45 | | | | DATE OF REPORT | T: 22.04.2023 |
| | | | | | | | LL.V |
| | | WATE | R SAMP | LE ANA | LYSIS | REPORT | |
| : | Name | a And Address of Customer : | | rompt Enter wal, Haryan | prises Pvt Ia | Ltd , Village Dhatir & Dud | nola, Tehsil & |
| | Date | of Sampling | 15.04.2023 | 3 | | | |
| | - | rsis Start Date | 17.04.2023 | 3 | | | |
| | | vsis End Date ble ID No | 21.04.2023 | | | | |
| | | aling Done By | ETS/TP-15 ETS STAF | | | | |
| | | ling Description | SURFACE | - | | | |
| | Samp | ling Location | | | (Lat - 28 | °12'23.76"N;Long 77°15'; | 31 68"F) |
| | 0 | | | | - | | |
| | | iling Méthod Ile Quantity | ETS/STP/V 2.0 + 0.5 L | | | | |
| | | ng Condition | SEALED | | | | |
| | Packe | | |) GLASS BC | DTTLE | | |
| | S. No. | Test Parameter | | 12-41 | | · · · · · · · · · · · · · · · · · · · | 7 |
| | 1 | Temperature | | Unit 0 C | Result 26.8 | Test Method | |
| | 2 | Colour | | Hazen | 5.33 | APHA 2120-B | 4 |
| | 3 | Odour pH | | | | APHA 2150-8 | |
| | 5 | Total Dissolved Solids (TDS) | F.A | | 7 39 | APHA 4500-H+ APHA 2540-C | * |
| | 6 | Biological Oxygen Demand(80D3d2 | 2700) | mg/L mg/L | 46.0 | IS: 3025 (Part-44) | - |
| | 7 | Chemical Oxygen Demand,(COD) | | mg/L | 136.7 | APHA 5220-8 | |
| | 9 | Calcium.(Ca) Turbidity | ······ | mg/L | 110.6 | APHA 3500 (Ca)-8 | ~ |
| | 10 | Total Hardness (CaCO3) | | NTU | 7.33 | APHA 2130-8 | |
| | 11 | Dissolved Oxygen(DO) | | mg/L. | 343.0 7.92 | APHA 2340-C APHA 4500 (O)-C | |
| | 12 | Anionic Detergent (MBA5) | | mgil | < 0.01 | APHA 6540-C | - |
| | 14 | Magnesium,(Mg) Chloride,(Cl) | | mg/L | 58.7 | APHA 3500 (Mg)-B | |
| - | 15 | Conductivity | •/• | <u>ന്റുറ്റ</u> പര്യാന | 72.7 | APHA 4500 (CI-)-8 |] |
| | | Nitrate.(NO3) | 1.7.789994 - Y., | us/cm mg/L | | APHA 2510-5 APHA 4500 (NO3-)-B | |
| | 17 | Sulphate (SO4) | ····· | mg/L | 138.2 | APHA 4500 (SO4)-E | |
| | 18 | Potassium,(K) Fiuoride (F) | | mç/L | 16.11 | APHA-3120B | |
| | 10 | | | | 0.20 | APHA 4500 (F.)-D | ł |
| | | | | mg/L | 0.28 | | |
| | 20 21 | Chromium, (CI+6) Cyanide, (CN) | | mg/L | < 0.01 | APHA 3500 (Cr)-8 | |
| | 20 21 22 | Chromium, (CI+6) Cyanide, (CN) Cadmium, (Cd) | | mg/L mg/L | < 0.01 N.D | APHA 3500 (CI)-B APHA 4500 (CN-FO | |
| | 20 21 22 23 | Chromium, (CI+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) | | mg/L | <0.01 N.D <0.01 | APHA 3500 (CI)-8 APHA 4500 (CN-FD APHA 31208 | |
| | 20 21 22 23 24 | Chromium, (CI+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) Copper, (Cu) | | mg/L mg/L mg/L mg/L | <0.01 N.D <0.01 134,5 <0.01 | APHA 3500 (C1)-B APHA 4500 (CN-FD APHA 31208 APHA-31208 APHA-31208 | |
| | 20 21 22 23 24 25 | Chromium, (CI+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) | | mg/L mg/L mg/L mg/L mg/L | <001 N.D <0.01 134.5 <001 0.49 | APHA 3500 (C1)-B APHA 4500 (CN-FD APHA 31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 | |
| | 20 21 22 23 24 25 26 27 | Chromium, (Cr+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) Copper, (Cu) fron, (Fe) Boron, (B) Zinc, (Zn) | | mg/L mg/L mg/L mg/L mg/L mg/L | <0.01 N.D <0.01 134.5 <0.01 0.49 <0.01 | APHA 3500 (C1)-B APHA 4500 (CN-FO APHA 31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 | |
| | 20 21 22 23 24 25 26 27 26 | Chromium, (CI+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) Copper, (Cu) Iron, (Fe) Boron, (B) Zinc, (Zn) Manganese, (Mn) | | mg/L mg/L mg/L mg/L mg/L mg/L | <0.01 N.D <0.01 134.5 <0.01 0.49 <0.01 <0.01 | АРНА 3500 (СТ)-В АРНА 4500 (СN-FD АРНА 31208 АРНА-31208 АРНА-31208 АРНА-31208 АРНА-31208 АРНА-31208 АРНА-31208 | |
| | 20 21 22 23 24 25 26 27 26 27 28 29 | Chromium, (Cr+6) Cyanide, (CN) Cadmium, (Cd) Sodium, (Na) Copper, (Cu) fron, (Fe) Boron, (B) Zinc, (Zn) | | mg/L mg/L mg/L mg/L mg/L mg/L | <001 N.D <0.01 134.5 <001 0.49 <0.01 <0.01 <0.01 | APHA 3500 (C1)-B APHA 4500 (CN-FO APHA 31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 APHA-31208 | |

Contract C

Note: * CHECKED BY 1. Test Top is without LTS LAB HOLOGRAM are not issued by our laboratury. 2. The result indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is fimited to invoice value only,

5. The sample shall be destroyed after 15 days & Blofogical / Perishable sample shall be destroyed immediately after issue of test report.

MPN/100mL

MPN/100mL

> 1600

> 1600

15 1622

\$ 1622

6. This test report shall not be used in any advertising media or us evidence in the court of Law without prior written permission of the takoratory.

arated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

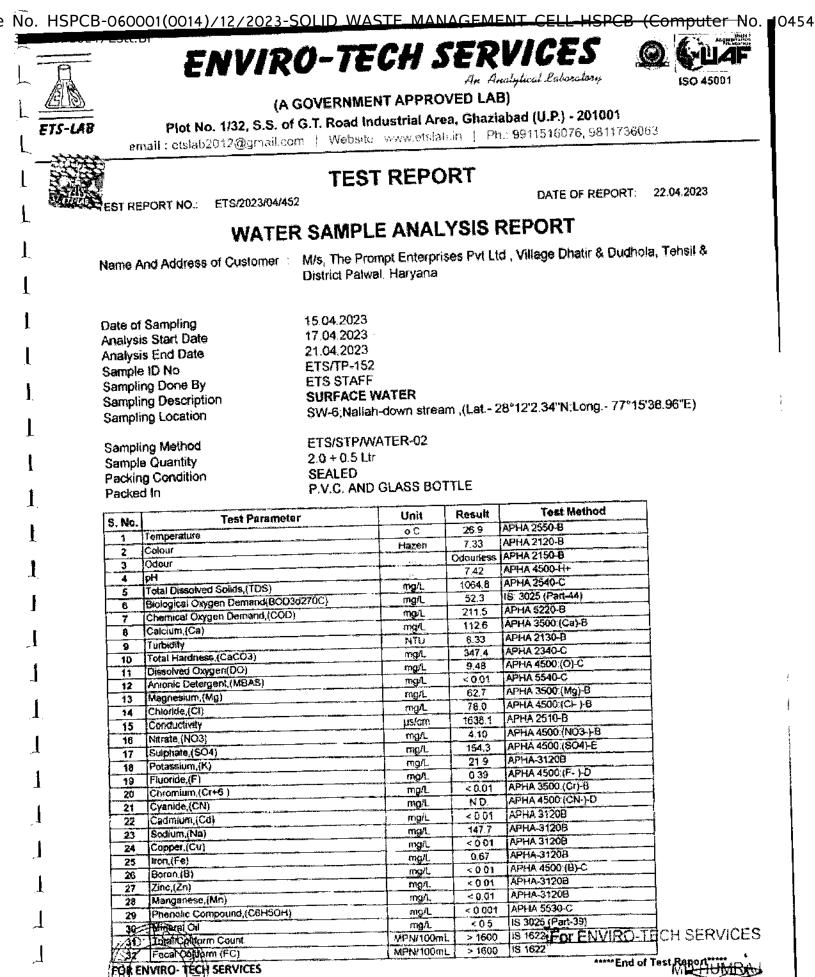
*****End of Test Report*

For ENVIRG

MD HUM

TECH SERVICES

AUTHONED NUN



FOR ENVIRO- TECH SERVICES

2. The results indicated only refer to the tested samples and listed applicable parameters.

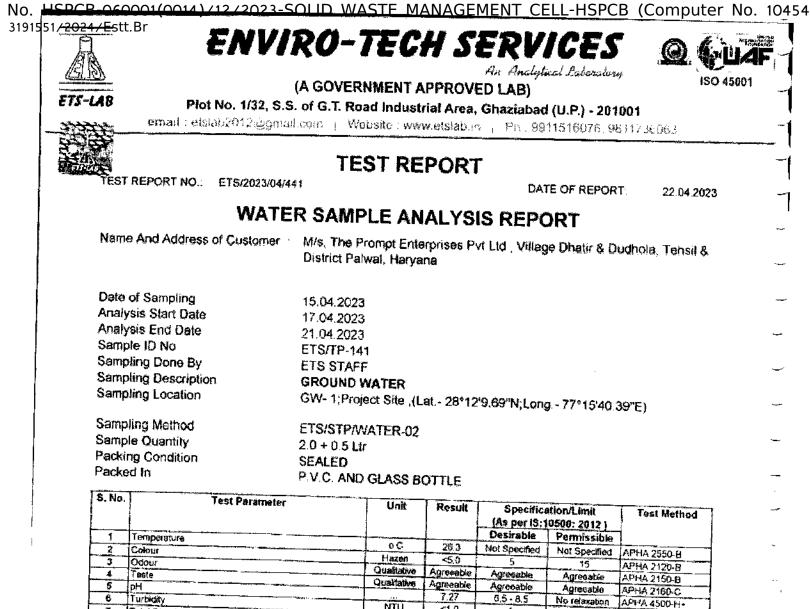
3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our fiability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior writien permission of the taboratory. 6. To first out of the state of the state

AUTHORIZED SIGNATORY

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



| 6 | pM | ULBACATION | Agreeable | Agreeable | | |
|----------|-----------------------------|---|-----------|-----------|---------------|---------------------|
| e | | | 7.27 | | Agrecable | APHA 2160-C |
| <u> </u> | Turbidity | NTU | <1,0 | 0,5-8,5 | No relaxation | APHA 4500-H+ |
| 7 | Total Desolved Solds, (TDS) | mar | | 1 | 5 | APHA 2130-B |
| 8 | Fluoride (F) | ······································ | 399.9 | 500 | 2000 | APHA 2540-C |
| 9 | Total Alkaaney (CaCO3) | mgA | 0.16 | 1 | 1.5 | APHA 4500 (F-)-D |
| 10 | Total Hardness (CaCO3) | mg/t. | 181.8 | 200 | 600 | APHA 2320-B |
| 11 | Calcium,(Ca) | m1 | 118.3 | 200 | 600 | APHA 2340-C |
| 12 | Chloride (CI) | mg/L | 40.5 | 75 | 200 | APHA 3500 (Ca)-B |
| 13 | Magnesium,(Mg) | <u> mp/L</u> | 74.2 | 250 | 1000 | APHA 4500:(CI-)-B |
| 14 | Mala(NO3) | mg/L | 3.62 | | 100 | APHA 3500 (Mg)-B |
| 15 | Sulphate (SO4) | STOR . | 1.25 | 45 | No relacation | MERIA JOUU (Mg)-8 |
| 18 | Boron (B) | mp/L | 51.8 | 200 | 400 | AFINA 4520 (NO3-)-8 |
| 17 | Aluminium.(Al) | mg/L | < 0.01 | 0.5 | | APHA 4500 (SO4) E |
| 18 | Arsenic, (As) | mg/t, | < 0.01 | 0.03 | 0.0 | APHA 4500 (B)-C |
| 19 | Cadmium.(Cd) | mgA | < 0.01 | 0.01 | 0.2 | APHA-31208 |
| 20 | Chremum,(Cr) | m/L | < 0.001 | 0.003 | No relexation | APHA 31208 |
| 21 | Copper, (Cu) | mg/ | < 0.01 | 0.05 | No relaxation | APHA 3120B |
| 22 | (Iron (Fe) | mg/L | <0.01 | | No refaxation | APHA-3120B |
| 23 | Load (Pb) | mg4 | < 0.05 | 9.05 | 1.5 | APHA 3120B |
| 24 | | mg/i | < 0.01 | | No relaxation | APHA-31208 |
| 25 | Manganesu (Mn) | Ug/L | | 0.01 | No relaxation | APHA-31208 |
| · | Mercury.(Hg) | | < 0.01 | 0.1 | 03 | APHA-3120D |
| 26 | Selonium (Se) | the second se | < 0.001 | 0.001 | No relaxation | APHA-J114C |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | 0.01 | | APHA-3120B |
| 28 | Anionic Detergent (MBAS) | <u>mg/L</u> | < 0.01 | 5 | | APHA-3*20B |
| 29 | Minaral OI | mg/l | < 0.01 | 02 | | APHA 5540.0 |
| | | | | | | |

mg/i

mga

he/cu

per 100m)

per 100mL

< 0.5

< 0 001

667 7

Absent

Absent

FOR ENVIRO- TECH SERVICES

Conductivity

32 C Intal Colform Count

Eachenchia coi

30

31

33

Phenolic Compound, (C6H5OH)

Calbeat CTS LAB HOLOGRAM are not issued by our laboratory. 1. Tes

2. The with the full of the tested samples and listed applicable parameters.

3. No complator will be entertained if received after 7 days of issue of test report.

4. Our flability is limited to invoice value only.

S. The sample shall be destroyed after 15 days & Biological (Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior writted permission of the laboratory.

SARLIP SINGH. Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

IS 15185 Shall not be detected IS 15185 FORENCIES

APHA 5540-C

APHA 9530-C

APHA 2510-B

IS 3025 (Part-39

No reiexation

0.002

Not Specified

Shall not be detectable

0S

0.001

Not Specified

MD HUMRA AUCHDERTERNATORY

| <u>el 1</u> 3 | | (| A GOVERNA | | | h: Analyticsl LAB) | | 150 45 | |
|---|---|--------------------------------|--|--|---|---|---|--|--|
| | | ہ No. 1/32, S.S. | | inductein | Aras G | haziahad (l | J.P.) - 20100 | 1 | |
| -LAB | Plot | No. 1/32, S.S. 62012@gmail. | OF G. I. ROAD | ntring and | istation, o Istation | Ph 9911 | 516076, 9811 | 736063 | |
| <u> </u> | omail : casia | bzu i zggman. | COALI SSCIDO | | | ; | | · · · · · · · · · · · · · · · · · · · | |
| | | | | | ООТ | | | | |
| | | | 152 | T REP | UKI | | | 60 A4 6000 | |
| TEST R | EPORT NO.: | ETS/2023/04/44 | 2 | | | DATE | of report | 22.04.2023 | |
| | | | R SAMPL | | | | 7 5 | | |
| | | WAIE | | | | | | | |
| Name | And Address | of Customer : | M/s. The Pro | mpt Enterp | rises Pvt | Ltd Village | Dhatir & Duo | Ihola, Tehsil & | |
| 1 1 10 | | | District Palwa | | | | | | |
| | | | | | | | | | |
| | | | 45.04 (1000 | | | | | | |
| | f Sampling | | 15.04.2023 | | | | | | |
| | sis Start Date | | 17.04.2023 | | | | | | |
| | sis End Date | | 21.04.2023 | | | | | | |
| | e ID No | | | ETS/TP-142 | | | | | |
| | Sampling Done By | | TTO OTACE | | | | | | |
| | | | ETS STAFF | ATED | | | | | |
| | ling Descriptio | n | GROUND W | | na Škil Li | nivareity /Lat | - 28°11'55.5 | 3"N1.ong - | |
| | | n | GROUND W GW-2;Shri V | Vishwakarr | na Skill U | niversity,(Lat | 28°11'55.5 | i3"N;Long | |
| Sampl | ling Descriptio ling Location | n | GROUND W GW- 2;Shri 1 77°17'13.80' | Vishwakarr 'E) | na Skill U | niversity.(Lat | 28°11'55.5 | i3"N;Long | |
| Sampl Sampl | ling Descriptio ling Location ling Method | n | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W | Vishwakarr 'E) ATER-02 | na Skill U | niversity,{Lat | 28°11'55.5 | i3"N;Long | |
| Sampl Sampl Sampl | ling Descriptio ling Location ling Method le Quantity | n | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr | Vishwakarr 'E) ATER-02 | na Skill U | niversity,(Lat | 28°11'55.5 | i3"N;Long | |
| Sampl Sampl Samp Packir | ling Descriptio ling Location ling Method le Quantity ng Condition | n | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakarr 'E) ATER-02 | | niversity,(Lat | 28°11'55.5 | i3"N;Long | |
| Sampl Sampl Sampl | ling Descriptio ling Location ling Method le Quantity ng Condition | n | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr | Vishwakarr 'E) ATER-02 | | | | | |
| Sampl Sampl Samp Packir | ling Descriptio ling Location ling Method le Quantity ng Condition | n Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakarr 'E) ATER-02 | | Specifica | tion/Linit | 3"N;Long Test Method | |
| Sampl Sampl Sampl Packir Packe | ling Descriptio ling Location ling Method le Quantity ng Condition | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS B(| TTLE | Specifica (As per IS:1 | tion/Linit 0508: 2012 } | | |
| Sampl Sampl Sampl Packer Packer S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition ad In | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS B(Unit |)TTLE Result | Specifica (As per IS:1 Desirable | tion/Likutt 0500: 2012) Permissible | Test Method | |
| Sampl Sampl Samp Packer S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition of In | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS B(| TTLE | Specifica (As per IS:1 | tion/Linit 0508: 2012 } | Test Method APHA 2550-8 APHA 2120-8 | |
| Sampl Sampl Sampl Packer Packer S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition ad In | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Questative | PTTLE Result 28.1 <5.0 Agreeable | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable | tion/Limit 0500: 2012) Permissible Not Specified 15 Agreeable | Тезt Method АРНА 2550-8 АРНА 2120-8 АРНА 2150-8 | |
| Sampl Sampl Packir Packe S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Colour Odour Taste | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit | PTTLE Result 28.1 <5.0 Agreeable Agreeable | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable | tion/Likntt 0508: 2012) Permissible Not Specified 15 Agreeable Agreeable | Теst Method АРНА 2550-8 АРНА 2120-8 АРНА 2150-8 АРНА 2160-С | |
| Sampl Sampl Packir Packe S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Celour Odour Taste pH | | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Questative | PTTLE Result 28.1 <5.0 Agreeable | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable | tion/Limit 0500: 2012) Permissible Not Specified 15 Agreeable | Тезt Method АРНА 2550-8 АРНА 2120-8 АРНА 2150-8 | |
| Sampl Sampl Packir Packe S. No. | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Colour Odour Taste | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Quaitative Quaitative | PTTLE Result 28.1 <5.0 Agreeable 7 30 <10 390 6 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable | tion/Limit 0500: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 | Test Method APHA 2550-8 APHA 2120-8 APHA 2150-8 APHA 2160-C APHA 4500-H+ APHA 220-8 APHA 2100-8 | |
| Sampl Sampl Packer Packer S. No. 1 2 3 4 5 6 7 8 | ling Descriptio ling Location ling Method le Quantity ng Condition ad In Temperature Colour Odour Taste pH Turbidity Total Dissolved S Fluende (F) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Queitative Queitative NTU mgA mg/L | 28.1 28.1 <5.0 Agreeable Agreeable 7 300 <10 390 6 0 20 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable 6:5-85 1 1 500 1 | tion/Likntt 0508: 2012) Permissible Not Specified 15 Agreeable Agreeable No relaxation 5 2000 1.5 | Теst Method АРНА 2550-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 4500-H+ АРНА 4500-H+ АРНА 2540-С АРНА 4500 (F-)-0 | |
| Sampl Sampl Packer S. No. 1 2 3 4 5 6 7 8 9 | ling Descriptio ling Location ling Method ls Quantity ng Condition ad In Temperature Colour Odour Taste pH Turbidity Tetal Dissolved S Fluoride (F) Total Alkalinity.(C | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Qualitative Qualitative NTU mgA mgA | 28.1 28.1 <5.0 Agreeable Agreeable 390.6 0.20 182.5 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable 6:5 - 8 5 1 500 1 200 | tion/Linit 0500: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 800 | Test Method APHA 2550-8 APHA 2120-8 APHA 2150-8 APHA 2150-8 APHA 2150-8 APHA 2150-4 APHA 2150-8 APHA 2150-8 APHA 2150-4 APHA 4500-H+ APHA 2540-C APHA 2500-F- 10 APHA 2320-8 | |
| Sampl Sampl Samp Packer S. No. 1 2 3 4 5 6 7 8 9 10 | ling Descriptio ling Location ling Method le Quantity ng Condition ad In Temperature Colour Odour Taste pH Turbidty Total Dissolved S Flueride (F) Total Alkalinity (C Total Hardness (C | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Quaitative Quaitative NTU mgA mgA mgA | PTTLE Result 26.1 <5.0 Agreeable Agreeable 7.30 <10 390.6 920 182.5 131.4 41.5 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable 6.5 - 8 5 1 500 1 200 200 75 | tion/Likntt 0508: 2012) Permissible Not Specified 15 Agreeable Agreeable No relaxation 5 2000 1.5 | Теst Method АРНА 2550-8 АРНА 2120-8 АРНА 2150-8 АРНА 2150-8 АРНА 2160-С АРНА 4500-H+ АРНА 2120-8 АРНА 2540-С АРНА 2540-С АРНА 2540-С АРНА 2320-8 АРНА 2340-С АРНА 2340-С АРНА 3500 (Се)-8 | |
| Sampl Sampl Sampl Packer S. No. 1 2 3 4 5 6 7 7 8 9 10 11 12 | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Colour Odour Taste pH Turbidity Total Dissolved S Fluoride (F) Total Akalinity (C Total Hardness (C Calcium (Ca) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Qualitative Qualitative MTU mg/L mg/L mg/L mg/L mg/L mg/L | PTTLE Result 26.1 <5.0 Agreeable Agreeable 7.30 <10 390.6 920 182.5 131.4 41.5 74.5 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable 6:5 - 8:5 1 500 1 200 200 75 250 | tion/Limit 0500: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 600 600 200 1000 | Test Method APHA 2550-8 APHA 2120-8 APHA 2150-8 APHA 2150-8 APHA 2150-8 APHA 4500-H+ AFHA 2120-8 APHA 2540-C APHA 4500 (F-)-0 APHA 2320-8 APHA 2320-8 APHA 3500 (Ce)-8 APHA 3500 (Ce)-8 | |
| Sampl Sampl Sampl Packer S. No. 1 2 3 4 5 6 7 7 8 9 10 11 12 13 | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Colour Odour Taste pH Turbidity Total Dissolved S Fluoride (F) Total Alkalinity (C Total Hardness (C Calcium (Ca) Chloride (Cl) Magnesium (Mg) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Queitative Queitative MTU mgA mgA mgA mgA mgA mgA | 26.1 <5.0 Agreeable Agreeable 7 30 <10 390.6 0 20 182.5 131.4 41.5 74.5 6.61 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable 6:5 - 8:5 1 200 7:5 250 30 | tion/Limit 0508: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 600 600 200 1000 | Test Method APHA 2550-8 APHA 2120-8 APHA 2150-8 APHA 2150-8 APHA 2160-C APHA 4500-H+ AFHA 2130-8 APHA 2540-C APHA 2500-C APHA 2500-C APHA 3500-C APHA 3500-C APHA 3500-C APHA 3500-B APHA 3500-Mg-B | |
| Sampl Sampl Samp Packer S. No. 1 2 3 4 5 6 7 7 8 9 10 11 12 13 14 | Ing Descriptio Ing Location Ing Method Is Quantity ng Condition od In Temperature Celour Odour Taste pH Turbidity Total Dissolved S Fluoride (F) Total Atkalinity (C Total Hardness (C Calcium (Ca) Chloride (Cl) Magnessum (Mg) N-trate (NO3) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Queitative Queitative MTU mgA mgA mgA mgA mgA mgA mgA mgA | 28.1 <5.0 Agreeable Agreeable 7 30 <1.0 390.6 0 20 182.5 131.4 41.5 74.5 6.61 1 24 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable 6.5 - 8.5 1 200 75 250 30 45 | tion/Limit 0500: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 600 600 200 100 100 No releasion | Test Method APHA 2550-8 APHA 2120-8 APHA 2150-8 APHA 2150-8 APHA 2160-C APHA 4500-H+ AFHA 2130-8 APHA 2540-C APHA 2540-C APHA 2500 (F-)-0 APHA 2500 (C-)-8 APHA 3500 (Mg)-8 APHA 4500 (NO3-)-8 | |
| Sampl Sampl Sampl Packer S. No. 1 2 3 4 5 6 7 7 8 9 10 11 12 13 | ling Descriptio ling Location ling Method le Quantity ng Condition od In Temperature Colour Odour Teste pH Turbidity Total Dissolved S Fluoride,(F) Total Alkalinity,(C Total Hardness (C Calcium,(Ca) Chloride,(Ci) Magnesum,(Mg) Nitrate (NO3) Suphate,(SO4) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Queitative Queitative MTU mgA mgA mgA mgA mgA mgA | 26.1 <5.0 Agreeable Agreeable 7 30 <10 390.6 0 20 182.5 131.4 41.5 74.5 6.61 | Specifica (As per IS:1 Desirable Not Specified 5 Agreeable Agreeable 6:5 - 8:5 1 200 7:5 250 30 | tion/Likntt 0500: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 600 600 200 1000 100 100 No relaxation 400 3 | Test Method APHA 2550-8 APHA 2120-8 APHA 2120-8 APHA 2150-8 APHA 2160-C APHA 4500-H+ APHA 2130-8 APHA 4500-H+ APHA 2540-C APHA 4500(F-)-D APHA 2540-C APHA 4500(F-)-D APHA 2500-C APHA 4500(C-)-8 APHA 4500(C-)-8 APHA 4500(S-)-8 APHA 4500(S-)-8 A | |
| Sampl Sampl Sampl Packir Packe S. No. 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 | Ing Descriptio Ing Location Ing Method Is Quantity ng Condition od In Temperature Celour Odour Taste pH Turbidity Total Dissolved S Fluoride (F) Total Atkalinity (C Total Hardness (C Calcium (Ca) Chloride (Cl) Magnessum (Mg) N-trate (NO3) | Test Parameter | GROUND W GW- 2;Shri V 77°17'13.80' ETS/STP/W 2.0 + 0.5 Llr SEALED | Vishwakam 'E) ATER-02 GLASS BC Unit 0 C Hazen Queitative Queitative Queitative MTU mgA mgA mgA mgA mgA mgA mgA mgA | 28.1 <5.0 Agreeable Agreeable 7 30 <10 390.6 0 20 182.5 131.4 41.5 7.4.5 6.61 1.24 52.9 | Specifica (As per 18:1 Desirable Not Speafed 5 Agreeable 6:5 - 8:5 1 500 1 200 200 75 250 30 45 200 | tion/Limit 0508: 2012) Permissible Not Specified 15 Agreeable No relaxation 5 2000 1.5 600 600 200 1000 190 No releastion 400 | Test Method APHA 2550-8 APHA 2120-8 APHA 2120-8 APHA 2150-8 APHA 2150-8 APHA 2150-8 APHA 2150-C APHA 4500 (F-)-0 APHA 2540-C APHA 2540-C APHA 2540-C APHA 3500 (Co)-8 APHA 3500 (Co)-8 APHA 4500 (M03-)-8 APHA 4500 (S04)-E | |

< 0.001

< 0.01

< 0.01

- 0.05

< C 01

< 0.01

< 0.001

< 0.01

< 0.01

« C 01

< 3.5

< 0 001

652.2

Absent

Absent

mŋ/t.

mg/i

mg/l

mgA.

mäl

ugit

mg/:

നവ്

mgA,

mg/L

mg/L

ጠርሶቢ

µs/cm

per 100ml

per 100mL

0.003

0.05

0.05

۴

0.01

0.1

0 001

0.01

5

02

0.5

0.001

Not Specified

Shail not be detectable

Note

Cedmium,(Cd)

Chromium.(Cr)

Manganese,(Mn)

Amonic Delegent (MBAS)

Phenolic Compound (C6H5OH)

Copper (Cu)

Mercury (Hg)

Selemium, (Se)

Iron (Fe)

i.ead,(Pb)

Zinc,(Zn)

Mitteral Oil

Conductivity

32 Total Californ Count 33 Escherches col

19

20

21

22

23

24

25

25

27

28

29

30

31

Notes

2. The **struct state** for only refer to the tested samples and listed applicable parameters. 3. No compared will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior Affen permission of the laboratury.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Shall not be delectoph _____ IIS 15185 FOR ENERGY THE REPORT OF RVICES

APHA 3120B

APHA-3120B

APHA 3120B

APHA-3120B

APHA-31208

APHA-31208

APHA-3114C

APHA-31208

APHA-3120B

APHA 5540-C

APHA 5530-C

APHA 2510-B

IS 15185

IS 3025 (Part-39)

No relaxation

No relaxation

1.5

No relaxation

No relaxation

03

No relaxation

No relaxation

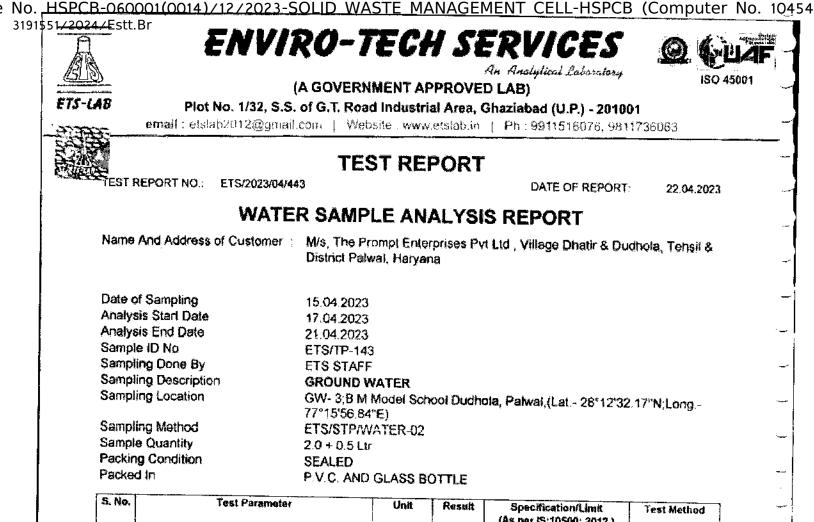
15

1

No relaxation 0.002

Not Specified

NOHUNRAJ AUTROPHEONSANDALORY



| 5. No. | Test Parameter | Unit | Result | | ation/Limit | Test Method | |
|--------------------|-------------------------------|--------------|------------------|---------------|--|--------------------|--|
| | | 1 | 1 | | 10500: 2012) | | |
| 1 | | | <u> </u> | Desirable | Permissible | *** | |
| | Temperature Colour | e C | 25.8 | Not Specified | Not Specified | APHA 2550-8 | |
| | Odour | Hazen | <5.0 | 5 | 15 | APHA 2120-8 | |
| | | Quelitative | Agreeable | Agreeable | Agreeable | APHA 2150-8 | |
| 4 | Taste | Qualitative | Agreeable | Agreeable | Agreeabie | APHA 2160-C | |
| 5 | | | 7.24 | 6.5-85 | No relaxation | APHIA 4500-H+ | |
| 6 | Turbicity | NTU NTU | <1.0 | 1 | 5 | APHA 2130-8 | |
| 7 | Total Dissolved Solids (TDS) | mg/L | 371,4 | 500 | 2000 | APHA 2640-C | |
| 8 | Fluoride,(F) | mg/L | 0.1B | 1 1 | 1.5 | | |
| | Total Alkalinky.(CaCO3) | mg/L | 188.2 | 200 | 600 | APHA 4500.(F-)-E | |
| 10 | Total Hardness (CeCO3) | mgi. | 137.6 | 200 | | APHA 2320-8 | |
| | Calcium (Ca) | mg/L | 42.4 | 75 | 600 | APHA 2340-C | |
| | Chlonde (Cl) | mg/L | 73.6 | | 200 | APHA 3500 (Ca) E | |
| 13 | Magnesium, (Mg) | j mg/L | 7.60 | 250 | 1000 | APHA 4500 (CI-)-8 | |
| 14 | Ntuate (NO3) | | | 30 | 100 | APHA 3500 (Mg)-B | |
| 15 | Sulphate (SO4) | | 125 | 45 | NO relaxation | APHA 4500 (NO3-) 4 | |
| | Boren (B) | mg/L | 54,7 | 200 | 400 | APHA 4500 (SO4)- | |
| | Aluminum (A) | <u>1mg/L</u> | <u>< 0.01</u> | 0.5 | 1 | APHA 4500 (8)-C | |
| | Americ (As) | | <001 | 0.03 | 02 | APHA-3:208 | |
| | Cadmium.(Cd) | mg/L | ≪ 0.01 | 0.01 | NO relaxation | APHA 31208 | |
| 20 | Chromium,(Cr) | <u></u> | <0.001 | 0.003 | No relaxation | APHA 3120B | |
| | Copper,(Cu) | mgd | < 0.01 | 0.05 | No relaxation | APHA-312CB | |
| testo recommendad | rop.(Fe) | <u> </u> | < 0.01 | 0.05 | | APHA 3120B | |
| | Lead (Pb) | ாஜ/ | < 0.05 | 1 | No relaxation | APHA-31208 | |
| ···· | Manganese.(Mn) | mg/L | < 0.01 | 0 01 | | APHA-31208 | |
| | Vercury.(Hg) | ug/L | < 0.01 | 0.1 | 03 | APHA-31208 | |
| an and spectrum at | Mercury.(Fig) 3denium.(Se) | mg/L | < 0.001 | 0.001 | Nor Internet and Annual A | APHA-3114C | |
| | Seen FUTI (Se) | mg/l. | < 0.01 | 0.01 | The second se | APHA-3120B | |
| | | mpt | <001 | 5 1 | | APHA-31208 | |
| 29 | Vnionic Detergent (MBAS) | mgyĭ | < 0.01 | 0.2 | | APHA 5540-C | |
| | Ainerai Oi | mgri. | < 0.5 | 0.5 | | | |
| 31 10 | henoic Compound (C6H5OH) | mg/L | < 0.001 | 0.001 | | IS 3025 (Part-39) | |
| | paductivity | µ\$/cm | 8203 | Not Specified | | APHA 5530-C | |
| | otal Coulorm Count | per 100mL | Absont | Shall not be | | APHA 2510-B: | |
| NY TE | Scheftonia coli | per 100mL | Absent | Chail and be | Sever Colors | IS 15185 | |

EOR ENDIRO- TECH SERVICES

I. Test BIT TTS LAB HOLOGRAM are not issued by our laboratory.

2. The result of the stand of the refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

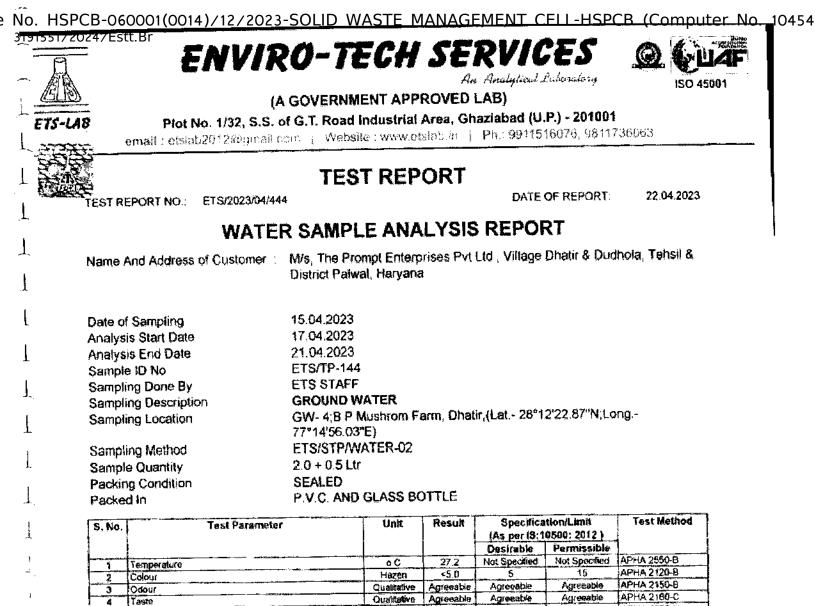
4. Our liability is limited to involve value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

enerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

HUBRESI BADASERVICES





| 2 | Colour | j ⊓8260 | ~J.U] | | ۰ بر اب | And they wanted the |
|----|------------------------------|-------------|-----------|---------------|---------------|---------------------|
| 3 | Odeur | Qualitative | Agreeable | Agreeable | Agreeable | арна 2150-в |
| 4 | Taste | Qualitetive | Agreeable | Agreeable | Agreeable | APHA 2160-C |
| 5 | DH | | 7 31 | 6.5-85 | No relaxation | APHA 4500-H+ |
| 6 | Turbeckiy | NTU | <1.0 | 1 | 5 | APHA 2130-0 |
| 7 | Total Dissolved Solids.(TDS) | mg/L | 400.6 | 500 | 2000 | APHA 2540-C |
| B | Fluoride (F) | mg/L | 0 20 | 1 1 | 1.5 | APHA 4500 (F-)-D |
| 9 | Total Akainity.(CaCO3) | ma/L | 190,1 | 200 | 600 | APHA 2320-9 |
| 10 | Total Hardness (CBCO3) | mg/L | 138.9 | 200 | 600 | APHA 2340-C |
| 11 | Calcium.(C-a) | ոցլ | 42.8 | 75 1 | 200 | APHA 3500:(Ca)-B |
| 12 | Chlerice.(Cl) | mg/L | 74.6 | 250 | 1000 | APHA 4500 (CI-)-B |
| | Magnesium, (Mg) | mg/L | 7.66 | 30 | :00 | APHA 3500 (Mg)-8 |
| 14 | Nitrate (NO3) | | 1.41 | 45 | No relexation | APHA 4500 (NO3-)-8 |
| 15 | Sulphate (SO4) | ma/L | 52.0 | 200 | 400 | APHA 4500 (\$04)-E |
| 16 | Boron (8) | mp/L | < 0.01 | 05 | 1 | APHA 4500.(B)-C |
| 17 | Aluminium, (Al) | mgA. | < 0.01 | 0.03 | 0.2 | APHA-3120B |
| 18 | Arsenic (As) | mg/L | < 0.01 | 0.01 | No relaxation | APMA 31208 |
| 19 | Cadmium (Cd) | nigA | < 0.001 | 0 003 | No relaxation | APHA 31208 |
| 20 | Chromium (Cr) | mgA. | < 0.01 | 0.05 | No relaxation | APHA-3120B |
| 21 | Coppel.(Cu) | mg/L | < 0.01 | 0.05 | 15 | APHA 31208 |
| 22 | lion (Fe) | myA | < 0.05 | 1 | No relaxation | APHA-3120B |
| 23 | Lead (Pb) | mgA. | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| 24 | Manganese (Mn) | ug/L | < 0.01 | D.1 | 0.3 | APHA-3120B |
| 25 | (Mercu/v.(Hg) | mgA | < 0.001 | 0.001 | No relaxation | APHA-3114C |
| 26 | Selenium (Se) | mgÆ. | < 0.01 | 0.01 | No relaxation | APHA-3120B |
| 27 | Zinc (Zn) | mg/L | < 0.01 | 5 | 15 | APHA-3120B |
| 28 | Anionic Detergent (MHAS) | mg/L | < 0.01 | 0.2 | 1 | APHA 5540-C |
| 29 | Mineral Oli | mg/L | < 9.5 | 0.5 | No relaxation | IS 3025 (Part-39) |
| 30 | Phenolic Compound (C6H5OH) | mg/L | < 0 001 | 0.001 | 0 002 | APHA 5530-C |
| 31 | Conductivity | 1 113/Cm | 669.0 | Not Specified | Not Specified | APHA 2510-6 |
| | Tota Colform Count | per 100mL | Absent | | e detoctable | IS 15185 |
| | Escheriona col | per 100mL | Absent | | | 15 15185 |

FOR ENVIRO TECH SERVICES

Notest When the part of the tested samples and listed applicable parameters. 2. The reading of the parameters of the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

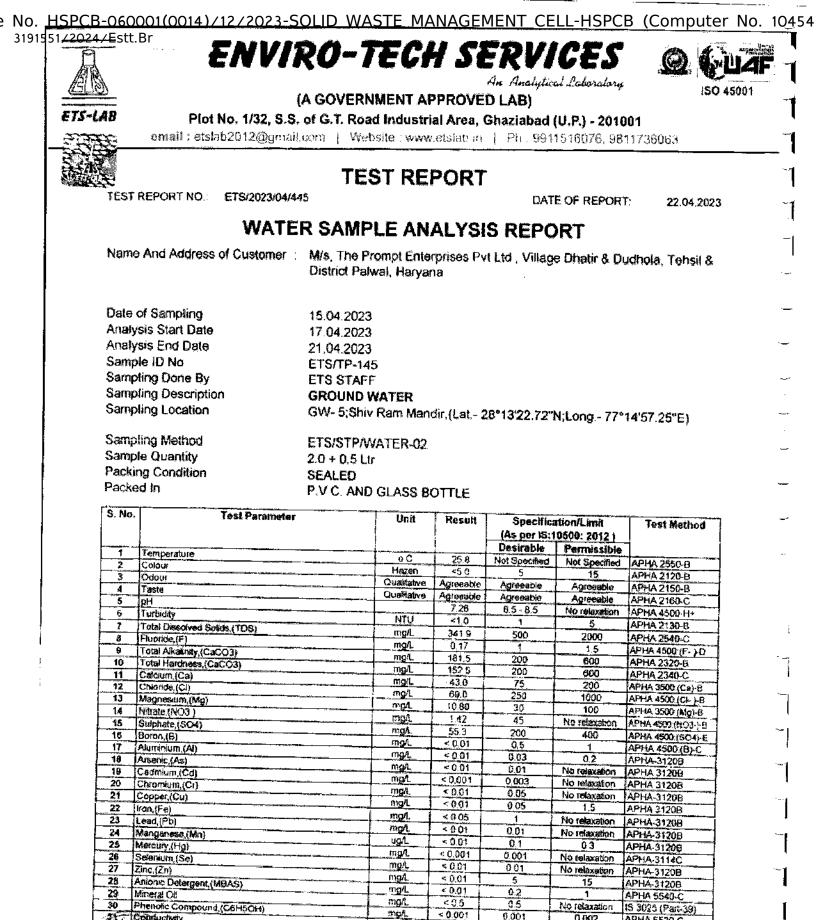
G

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This less report shall not be used in any novertising media or as evidence in the court of Law without prior written permission of the Ishorstory.

nerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

OF EMARDATE CH SERVICES





Eschelicitie coli NOTE FOR ENVIRO-TECH SERVICES

Conductivity

Total Coldorm Count

23

97

*8*3

L. Test (port story ETS LAB HOLOGRAM are not issued by our laboratory.

2. The the state and anty refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is fimited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Facu

per 100ml

per 100ml

5710

Absent

Absent

Not Specified

Shaf not be detectable

ted from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Shat not be detectable IS 15185 POF ENVIRGE TELEPOSERVICES

APHA 5530-C

APHA 2510-B

IS 15185

0.002

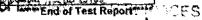
Not Specified

Falling Manager

| | -SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10 |
|--|--|
| ENVIR | RO-TECH SERVICES |
| ALOS II | GOVERNMENT APPROVED LAB) |
| | of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 |
| ETS-LAS Plot No. 1/32, 5.5. | con Website: www.etslab.in Ph.: 9911516076, 9811736065 |
| email: etglab2012kggmank | |
| | TEST REPORT |
| E Service Serv | |
| TEST REPORT NO.: ETS/2023/04/44 | IG DATE OF REFORM. 22:04:2020 |
| | R SAMPLE ANALYSIS REPORT |
| J VIAL | |
| Name And Address of Customer : | M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana |
| Ł | |
| Date of Sampling | 15.04.2023 |
| Analysis Start Date | 17.04.2023 |
| Analysis End Date | 21.04.2023 |
| Sample ID No | ETS/TP-146 |
| Sampling Done By | ETS STAFF |
| Sampling Description | GROUND WATER |
| Sampling Location | GW-6;MS Hospital Dhatir,(Lat 28°11'22.59"N;Long 77°14'43.21"E) |
| Sampling Method | ETS/STP/WATER-02 |
| Sample Quantity | 2.0 + 0.5 Ltr |
| Packing Condition | SEALED |
| Packed In | P.V.C. AND GLASS BOTTLE |
| S, No. Test Paramete | r Unit Result Specification/Limit Test Method |
| S, NO, 10St Falamete | (As per i\$:10500; 2012) |
| · | Desirable Permissible |

| | 1921 Salgitaria | ™ | 1.46.99.9410 | | | 3 |
|--------|-------------------------------|-------------|----------------|---------------|---------------|--------------------|
| 8, NO. | | | | (As per IS:10 | osoo; 2012) | |
| | | ļ | | Desirable | Permissible | |
| 1 | Temperature | 00 | 27.9 | Not Specified | Not Specified | APHA 2550 B |
| 2 | Colour | Hazan | <5.0 | 5 | 15 | APHA 2120-8 |
| | Odeur | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150-B |
| 4 | Taste | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2160-C |
| 5 | CH | | 7.31 | 6.5 - 8.5 | No relaxation | APHA 4500-H- |
| 6 | Turbidity | NTU | <1.0 | 1 | 5 | APHA 2130-B |
| 7 | Total Dissolved Solids, (TDS) | mg/L | 409,4 | 500 | 2000 | APHA 2540 C |
| 8 | (Fluoride (F) | mg/L. | 0 16 | 1 | 15 | APHA 4500 (F-)-D |
| 9 | Total Alkelinity (CaCO3) | mgA. | 204.7 | 200 | 600 | APHA 2320-B |
| 10 | Total Hardness (CaCO3) | mg/L | 160.8 | 200 | 600 | APHA 2340-C |
| 11 | Calcium.(Ca) | mg/L | 40.7 | 75 | 200 | APHA 3500 (Ca)-8 |
| 12 | Chionde (C) | mg/l. | 74.8 | 250 | 1000 | APHA 4500:(CH)-B |
| 13 | Magnesium,(Mg) | mgA. | 14.2 | 30 | 100 | APHA 3500 (Mg)-B |
| 14 | Ngere (NO3) | mg1 | 1,28 | 45 | No relevation | APHA 4500 (NO3-)-E |
| 15 | Sulphate (SO4) | mg1 | 535 | 200 | 400 | APHA 4500:(SO4) [|
| 16 | (Boxon.(B) | mgil | < 0.01 | 0.5 | 1 | APHA 4500 (B)-C |
| 17 | Auminum (Al) | mg/L | < 0.01 | 0.03 | 0.2 | APHA-3120B |
| 18 | Arsenic (As) | i ma/L | < 0.01 | 0.01 | No relaxation | APHA 3120B |
| 19 | Cadmium.(Cd) | mpA | < 0.001 | 0 003 | No relaxation | APHA 31208 |
| 20 | Chromium (Cr) | mg/L | < 0.01 | 0.05 | No relexation | APHA-31208 |
| 21 | Copper (Cu) | mg/L | × 0,01 | 0.05 | 1.5 | APHA 31208 |
| 22 | (tran.(Fe) | mg4. | < 0.05 | 1 | No relaxation | APHA-3120B |
| 23 | Lead (Pb) | mg/L | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| 24 | Manganese,(Mn) | l ugA. | < 0.01 | 0.1 | 0.3 | APHA-31208 |
| 25 | Mercury.(Hg) | mg/ù | < 0.001 | 0.001 | No relaxation | APHA-3114C |
| 26 | Selenium (Se) | mg1_ | < 0.01 | 0.01 | No relaxation | APHA-3120B |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | 5 | 15 | APHA-31208 |
| 28 | Anionic Detergent (M8AS) | mg/L | < 0.01 | 0.2 | 1 | APHA 5540-C |
| 29 | Mineral Ot | mart | < 0.5 | 0.5 | No relaxation | IS 3025 (Part-39) |
| 30 | Phenolic Compound (C6H5OH) | mg/L | < 0.001 | 0.001 | 0.002 | APHA 5530-C |
| 31 | Conductivity | | 683.6 | Not Specified | Not Specified | APHA 2510-B: |
| 32 | Total Coliform Count | per 100mL | Absent | Shall not a | e detectable | IS 15185 |
| 33 | Eschenchia coli | per 100mL | Absent | Shail not | detectable | US 15185 |

FOR ENVIROUTECH SERVICES Note:-1. Test reports more FTS LATH HOLOGIRAM are not issued by our laboratory. 2. The restriction of the tested samples and listed applicable parameters. 3. No compliant will be entertained if received after 7 days of issue of test report. 4. Our liability is lipited to invoice value only. 5. The sample shall be distinged after 15 days & Biological / Perishable sample shall be destroyed immediately utgenissue of test report. 6. This test report shall not be used in any udvertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



is RAJ AUGHORIZEDASUSHAJORY

| | | ENVIS | | | An Analytical. | | ISO 45001 |
|----------------|-----------------|--|------------------------------------|--|---------------------|--|--------------|
| ETS-LAB | | Plot No. 1/32, S.S. | of G.T. Road Indu | ustrial Area | Ghaziabad (U. | P.) - 201001 | |
| -3733 | 0 | mail: etslab2012@gntail.c | om Website : | www.otslab.i | n Ph.: 99115 | 16076, 9811736063 | |
| S.H. | l | | TES | | | | |
| | ; TES | T REPORT NO .: | ETS/2023/0 | | | | |
| | | | | - | | DATE OF REPORT | : 22.04.2023 |
| | | | IL SAMPLE | | | | |
| | Nam | e And Address of Custom | er : M/s, The Pro District Palw | ompt Enterpi al, Haryana | rises Pvt Ltd , Vil | lage Dhatir & Dudho | la, Tehsil & |
| | | of Sampling | 15.04.2023 | | | | |
| | | ysis Start Date | 17.04.2023 | | | | |
| | | ysis End Date ple ID No | 21.04.2023 | | | | |
| | | pling Done By | ETS/TP-134 ETS STAFF | | | | |
| | | pling Description | SOIL | | | | |
| | Sam | pling Location | | t site ,(Lat | 28°12'9.69*N;Loi | ng 77°15'40.39"E) | |
| | Sam | pling Method | ETS/STP/SC | | | · | |
| | - | ole Quantity | 2.0 kg. | AC-01 | | | |
| | | ing Condition | SEALED | | | | |
| | Pack | eo in | ZIP POLY B/ | ٩G | | | |
| | S. No | Test Para | neter | Unit | Result | Test Method | |
| | 2 | Sand | | ~ | SANDY CLAY LOA | M IS 2720 (Part-4) | |
| | 3 | Silt | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | <u>52.5</u> 20.2 | IS 2720 (Part-4) IS 2720 (Part-4) | |
| | | Clay Electrical Conductivity (EC) | | % | 27.3 | 15 2720 (Part-4) | |
| | 6 | pH | | µa/cm | 19.7 | IS 14767 | |
| | 7 | Bulk Density | | g/cm3 | 7.28 | IS 2720 (Part-26) IS 2386 (Part-4) | |
| | 8 | Water Holding Capacity (WHO Sodium, (Na) | 2) | % | 17.3 | 15 2720 (Part-2) | |
| | 10 | Potassium (K) | ······ | mg/kg | 80.4 | USEPA-3050A | |
| | 11 | Total Nitrogen (N) | 10 | mg/kg mg/kg | 182.0 | USEPA-3050A | |
| | 12 | Chloride,(Ci) | | mg/kg | 4.37 | ETS/STP/SOIL-15 | |
| | 13 14 | Magnesium, (Mg) | | mg/kg | 109.2 | B5 1377 -3 ETS/8TP/SOIL-08 | |
| | 14 | Organic Matter.(OM) Aluminium.(Al) | | * | 0.66 | IS 2720 (Part-22) | |
| | 16 | Cadmium,(Cd) | | mg/kg | 0.36 | USEPA-3050A | |
| | 17 | Chromium.(Cr) | | mg/kg mg/kg | 0.45 | USEPA-3050A | |
| | 18 | Copper (Cu) | | mg/kg | 0.29 | USEPA-3050A | |
| | <u>19</u> 20 | (fron.(Fe) Lead.(Pb) | | mg/kg | 127,4 | USEPA-3050A USEPA-3050A | |
| t i i | 21 | Manganese,(Mn) | ······ | marka | 0.29 | USEPA-3050A | |
| ľ | 22 | Zinc,(Zn) | | mg/kg | 1.53 | USEPA-3050A | |
| ļ | 23 | Nickel, (Ni) | | mg/kg mg/kg | 1.67 | USEPA-3050A | |
| ŀ | 24 | Calcium.(Ca) | ······ | mg/kg mg/kg | 74,3 203.8 | USEPA-3050A | |
| l. | 25 | Phosphorus (PO4) | | mg/kg | 37.9 | IS 2720 (Part-23) ETS/STP/SOIL-19 | |
| 1 | TECH | | | | | *****End of Tes | t Report**** |
| B | OR ENY | URO- TECH SERVICES | | | | RENVIRO-TECH | |
| Me:- 16 | HER 2 | | | | ţ×. U | | SERVICE |
| Test reports | | LAB HOLOGRAM are n | of issued by our labor- | dorv. | | | TO STELLATON |
| a ac results i | noiction | Softy refer to the tested somples a entertained if received after 7 day d to involve value and | be listed anoticable mail | | | | ity Manage |

Constrated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

a of the laboratory.

1

| | -060001(0014)/12/2023 | SOLID WASTE | MANA | GEMENT CELI | -HSPCB (Co | mputer No_10454 |
|--|---|--|---------|--|-------------------|---------------------|
| 1. L ETS-LAB | ENVI | A GOVERNMENT A of G.T. Road Indust .com Website : ww | APPROVE | An Analytical Lub ED LAB) Ghaziabad (U.P.) | - 201001 | ISO 45001 |
| | | TEST | REP | DRT | | |
| 23020000000000000000000000000000000000 | TEST REPORT NO : | ETS/2023/04/4 | 35 | DA | TE OF REPORT: | 22.04.2023 |
| 1. 1 | S | | | | रा | |
| 1 | Name And Address of Custor | ner : M/s, The Prom District Palwal | • • | ises Pvt Ltd , Villag | e Dhatir & Dudhol | a , Tehsil & |
| L . | Date of Sampling Analysis Start Date | 15.04.2023 17.04.2023 | | | | |
| | Analysis End Date | 21.04.2023 | | | | |
| | Sample ID No | ETS/TP-135 | | | | |
| 1 | Sampling Done By | ETS STAFF | | | | |
| | Sampling Description | SOIL | | | | |
| Ţ | Sampling Location | SQ- 2;Shri Vis 77*17'13.80"E | | Skill University,(La | L- 28°11'55.53"N; | Long |
| Ţ | Sampling Method | ETS/STP/SOI | L-01 | | | |
| | Sample Quantity | 2.0 kg. | | | | |
| , provide the second se | Packing Condition Packed In | SEALED ZIP POLY BA | 3 | | | |
| .~ | S. No. Test Pa | rameter | Unit | Result | Test Method | |
| | | · · · · · · · · · · · · · · · · · · · | 1 | | Lo over de la de | |

| S. No. | Test Parameter | Unit | Result | Test Method |
|----------------|------------------------------|-------|-----------------|-------------------|
| 1 | Texture | | SANDY CLAY LOAM | IS 2720 (Pant-4) |
| 2 | Sand | % | 54.6 | 15 2720 (Part-4) |
| 3 | sin | % | 18,8 | IS 2720 (Part-4) |
| 4 | Clay | ×. | 26.6 | IS 2720 (Part-4) |
| 5 | Electrical Conductivity (EC) | µs/cm | 21.2 | IS 14767 |
| 6 | pH | | 7.33 | IS 2720 (Part-26) |
| 7 | Bulk Density | g/cm3 | 1.12 | IS 2366 (Part-4) |
| 8 | Water Holding Capacity (WHC) | % | 14.9 | IS 2720 (Part-2) |
| 9 | Sodium,(Na) | mg/kg | 77.8 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 158.5 | USEPA-3050A |
| 11 | Total Nitrogen (N) | mg/kg | 5.86 | ETS/STP/SOIL-1 |
| 12 | Chloride.(Cl) | mg/kg | 212.6 | BS 1377 -3 |
| 13 | Magnesium.(Mg) | mg/kg | 80.6 | ETS/STP/SOIL-08 |
| 14 | Organic Malter, (OM) | % | 0.81 | IS 2720 (Part-22) |
| 15 | Aluminium.(Al) | mg/kg | 0.40 | USEPA-3050A |
| 16 | Cadmium,(Cd) | mg/kg | 0.50 | USEPA-3050A |
| 17 | Chromlum,(Cr) | mg/kg | 0.33 | USEPA-3050A |
| 1 8 | Copper.(Cu) | mg/kg | 1.57 | USEPA-3050A |
| 19 | Iron,(Fe) | mg/kg | 145.2 | USEPA-3050A |
| 20 | Lead,(Pb) | mg/kg | 0.31 | USEPA-3050A |
| 21 | Manganese, (Mn) | mg/kg | 2.13 | USEPA-3050A |
| 22 | Zinc.(Zn) | mg/kg | 1.71 | USEPA-3050A |
| 23 | Nickel.(Nii) | mg/kg | 82.1 | USEPA-3050A |
| 24 | Calcium.(Ca) | mg/kg | 241,9 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | mg/kg | 52.2 | ETS/STP/SOIL-1 |

TECH FOR ENVIRO- TECH SERVICES

Note:-

L. Test reports with the LAB HOLOGRAM are not issued by our laboratory.

- 2. The results indicated don't refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our hability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after lasue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

*****End of Test Report***** For ENVIRO-TECH SERVICES

> THUMRAJ MATRORIZED & DEMATORY

| Ν | lo. <u>HSPCB-0</u> | 60001 | (0014)/12/2023-SOLI | D WASTE N | IANAG | EMENT CELL-H | ISPCB (Com | <u>outer No.</u> | 10454 |
|---|--------------------|---------|---|---------------------------------------|---|--|---------------------------------------|---------------------------------------|----------------|
| 3 | 191551/2024/Es | stt.Br | | | | | - | | AL765 |
| | - A | | ENVIR ENVIR | リーフをし | H S | ERVIC | ES @ | | |
| | AR | | | | | An Analytical La | 24 | C Q LIAI | |
| | | | (* ~ | ~~ | | + | norology | ISO 45001 | ····· • |
| | | | • | OVERNMENT | | , | | | · 1 |
| | ETS-LAB | | Plot No. 1/32, S.S. of C | | | | | | |
| | | er | mail : etslab2012@gmail.com | ⊢ Website : w | ww.etslab | .in Ph.: 9911516 | 076.9811736063 | | |
| | | | | | | ······ | | · · · · · · · · · · · · · · · · · · · | |
| | | 2 | | TEST | REP | ORT | | | - |
| | | TEST | REPORT NO.; | ETS/2023/04/4 | 496 | | | | |
| | • | 1201 | The otter to a | | 400 | UA | TE OF REPORT: | 22.04.2023 | . . |
| | | | SOIL | SAMPLE | ANAL | YSIS REPOR | RT | | · |
| | | Name | And Address of Customer | M/s The Prom | nt Entern | rises Pvt Ltd , Villag | a Mastin 9 Dudhat | - T-b-20 | |
| | | | | District Palwal | Hawana | naca i vi Liu , vingg | e prigar o pagnos | | ب_ |
| | | | | STORING MININ | , i idi yana | | | | |
| | | | | | | | | | |
| | | | of Sampling | 15.04.2023 | | | | | |
| | | | sis Start Date | 17.04.2023 | | | | | |
| | | Analy | sis End Date | 21.04.2023 | | | | | ~ |
| | | Samp | le ID No | ETS/TP-136 | | | | | |
| | | Sampi | ling Done By | ETS STAFF | | | | · | - |
| | | | ling Description | SOIL | | | | | |
| | | | ling Location | | del Schoo | l Dudhola, Palwal,(L | | | S-* |
| | | ĸ | 0 | 77°15'56.84"E | \ | r Dourioia, r'aimai,(L | .al 2012/32.17 N | l;Long | |
| | | GameZ | ling Method | ETS/STP/SOIL | · | | | | |
| | | | le Quantity | 2.0 kg. | ~~V | | | | |
| | | | 1g Condition | - | | | | | · |
| | | Packe | | SEALED | ~ | | | | |
| | | | | ZIP POLY BAC | 5 | | | | |
| | | S. No. | Test Paramete | | | T | · · · · · · · · · · · · · · · · · · · | | |
| | | 1 | Texture | | Unit | Result | Test Method | | - |
| | | 2 | Sand | | % | SANDY CLAY LOAM | | | _ |
| | | 3 | SIU | | | <u>51.0</u> 23.0 | 15 2720 (Part-4) | | |
| | | 4 | Clay | | % | 23.0 | IS 2720 (Part-4) IS 2720 (Part-4) | | - |
| | | | Electrical Conductivity (EC) | ······ | µs/cm | · · · · · · · · · · · · · · · · · · · | 15 14767 | | |
| | | 6 | | | | 7.26 | IS 2720 (Part-26) | | |
| | | 7 8 | Bulk Density | | g/cm3 | 1.09 | IS 2388 (Part-4) | | |
| | | 9 | Water Holding Capacity (WHC) Sodium,(Na) | · · · · · · · · · · · · · · · · · · · | % | 15.6 | IS 2720 (Part-2) | | · |
| | | ******* | Polassium (K) | | mg/kg | 70.3 | USEPA-3050A | | ŀ |
| | | 11 | Total Nitrogen (N) | .: | mg/kg | | USEPA-3050A | | I. |
| | | 12 | Chloride,(Cl) | | mg/kg maka | | ETS/STP/SOIL-15 | | |
| | | 13 | Magnesium, (Mg) | | mg/kg mg/kg | | BS 1377 -3 | | ·- 1 |
| | | 14 | Organic Matter.(OM) | | with the second | | ETS/STP/SOIL-08 | | |
| | | | Aluminium, (Al) | | mg/kg | 0.37 | IS 2720 (Part-22) USEPA-3050A | | - |
| | | | Cedmium,(Cd) | | mg/kg | The second se | USEPA-3050A | | -1 |
| | | | Chromium,(Cr) | | mg/kg | A REAL PROPERTY OF A REAL PROPER | USEPA-3050A | | • |
| | | | Copper.(Cu) | | mg/kg | | USEPA-3050A | | · [|
| | | 7.9 | uron (Pres | | ····· | | | | |

TECA FOR ENVIRONTECH SERVICES ĺ۵, 1.2.

Iron.(Fe)

Lead (Pb)

Zinc,(Zn)

Nickel (Ni)

Calcium.(Ca)

Manganese.(Mn)

Phosphorus (PO4)

19

20

21

22

23

Ž4

25

Note: A CHECKED BY 1. Test reports and balle CTS LAB HOLOGRAM are not issued by our inhoratory. 2. The results indicated only refer to the tested samples and fixed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report,

4. Our liability is limited to invoice value only,

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report, 6. This fest report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

mgrkg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

137.6

0.36

1.31

1.83

103.1

159.7

40.1

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH SERVICES

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

IS 2720 (Part-23)

ETS/STP/SOIL-19

AUTHORIZED TIGNATORY Quality Manager

*****End of Test Report****

1

| 6 | ESTER ENVI | RÖ-TEC | HS | ERVICE | :S @ | (UAF |
|---------------------------------------|--|--|---|--|---|------------|
| | | | · | An Analytical Labo | nituský | ISO 45001 |
| <u> (21,20)</u> | | (A GOVERNMENT | | | | |
| ETS-LAB | Plot No. 1/32, S.S | of G.T. Road Indus | trial Area, | Ghaziabad (U.P.) | - 201001 | |
| | email : etsiab2012@gmai | licom i Websile wy | w.etslab.in | Ph:: 99115160 | 76, 9811736063 | |
| -3755- | cilian, comprovides | . <u> </u> | ··· · - ··· | | | |
| S-NBK | | TEOT | neno | DT | | |
| | | | REPO | int i | | |
| | TEST REPORT NO .: | ETS/2023/04/4 | 37 | DAT | e of report: 2 | 22.04.2023 |
| | | | | | _ | |
| | S | DIL SAMPLE | ANALY | SIS REPOR | T | |
| | _ | | | | | Takal C |
| | Name And Address of Custor | | | ses Pvi Lid , village | Unatir & Duonoia | , tensil a |
| | | District Palwal, | Haryana | | | |
| | | | | | | |
| | Date of Complian | 15 AA 9099 | | | | |
| | Date of Sampling | 15.04.2023 | | | | |
| | Analysis Start Date | 17.04.2023 | | | | |
| | Analysis End Date | 21.04.2023 | | | | |
| | Sample ID No | ETS/TP-137 | | | | |
| | Sampling Done By | ETS STAFF | | | | |
| • | Sampling Description | SOIL | | | | |
| | Sampling Location | SQ- 4;B P Mu | shrom Fam | n, Dhalir,(Lat 28°1) | 2'22.87"N;Long | |
| - | | 77°14'56.03"E |) | | | |
| | Sampling Method | ETS/STP/SOI | -01 | | | |
| - | Sample Quantity | 2.0 kg. | | | | |
| | Packing Condition | SEALED | | | | |
| | - | ZIP POLY BA | G | | | |
| | Packed In | | 0 | | | |
| | S. No. Test P | arameter | Unit | Result | Test Method | |
| | 1 Texture | | + | SANDY CLAY LOAM | IS 2720 (Part-4) | |
| | S & LICALUIG | ······································ | | 50,9 | IS 2720 (Part-4) | |
| | and a second sec | | 56 | 1 114.10 | 10 2120 (FORT-1) | |
| | 2 Sand | | % % | 25.4 | IS 2720 (Part-4) | |
| | 2 Sand 3 Silt | | | 25.4 23.7 | IS 2720 (Part-4) IS 2720 (Part-4) | |
| | 2 Sand 3 Silt 4 Clay | C) | % | 25.4 23.7 22.6 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 | |
| | 2 Sand 3 Silt | C) | % % | 25.4 23.7 22.8 7.31 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) | |
| • | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density | | % % µs/cm g/cm3 | 25.4 23.7 22.8 7.31 1.21 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) | |
| • | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH | | % % µs/cm g/cm3 % | 25.4 23.7 22.8 7.31 1.21 14.1 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-2) | |
| • • | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium, (Na) | | % % µs/cm g/cm3 % mg/kg | 25.4 23.7 22.8 7.31 1.21 14.1 82.6 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2368 (Part-4) IS 2720 (Part-2) USEPA-3050A | |
| • | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium, (Na) 10 Potassium (K) | | % % µs/cm g/cm3 % mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A | |
| | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 | |
| · · | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K.) 11 Total Nitrogen (N) 12 Chloride,(Cl) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2368 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 BS 1377 -3 | |
| | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chloride.(Cl) 13 Magnesium,(Mg) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 75.3 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 | |
| | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chlonde,(Cl) 13 Magnesium,(Mg) 14 Organic Matter,(CM) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg mg/kg % | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2368 (Part-4) IS 2720 (Part-27) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 IS 1377 -3 ETS/STP/SOIL-08 | |
| · · · | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chlonde,(Cl) 13 Magnesium,(Mg) 14 Organic Matter,(OM) 15 Alumintum,(Al) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg mg/kg % mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 75.3 0.51 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2368 (Part-4) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A USEPA-3050A ETS/STP/SOIL-15 IS 1377 -3 ETS/STP/SOIL-08 IS 2720 (Part-22) | |
| · · · · · · · · · · · · · · · · · · · | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chlonde,(Cl) 13 Magnesium,(Mg) 14 Organic Matter,(OM) 15 Alumintum,(Al) 16 Cadmium,(Cd) | | % ys/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg % mg/kg mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 75.3 0.51 0.38 0.46 0.51 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A ETS/STP/SOIL-15 BS 1377-3 ETS/STP/SOIL-15 IS 2720 (Part-22) USEPA-3050A USEPA-3050A USEPA-3050A | |
| | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chloride,(Cl) 13 Magnesium,(Mg) 14 Organic Matter.(OM) 15 Alumintum,(Al) 16 Cadmium,(Cr) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg mg/kg % mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 75.3 0.51 0.38 0.46 | IS 2720 (Part-4) IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2366 (Part-4) IS 2720 (Part-2) USEPA-3050A USEPA-3050A IS 2720 (Part-22) USEPA-3050A USEPA-3050A USEPA-3050A | |
| | 2 Sand 3 Silt 4 Clay 5 Electrical Conductivity (E 6 pH 7 Bulk Density 8 Water Holding Capacity (9 Sodium,(Na) 10 Potassium (K) 11 Total Nitrogen (N) 12 Chlonde,(Cl) 13 Magnesium,(Mg) 14 Organic Matter,(OM) 15 Alumintum,(Al) 16 Cadmium,(Cd) | | % % µs/cm g/cm3 % mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | 25.4 23.7 22.6 7.31 1.21 14.1 82.6 169.6 4.39 350.9 75.3 0.51 0.38 0.46 0.51 | IS 2720 (Part-4) IS 2720 (Part-4) IS 14767 IS 2720 (Part-26) IS 2368 (Part-4) IS 2720 (Part-26) IS 2720 (Part-27) USEPA-3050A ETS/STP/SOIL-15 BS 1377-3 ETS/STP/SOIL-15 IS 2720 (Part-22) USEPA-3050A USEPA-3050A USEPA-3050A | |

RECH FOR ENVIROR TECH SERVICES

Manganese.(Mn)

Zinc.(Zn)

Nickel,(Ni)

Calcium,(Ca)

Phosphonus (PO4)

Note>

Geg

20

21

22

23

24

25

- Note: 1. Test report Standard only refer to the tested samples and listed applicable parameters. 2. The resultion refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perisbable sample shall be destroyed immediately after issue of test report. 5. The sample shall be destroyed after 15 days & Biological / Perisbable sample shall be destroyed immediately after issue of test report. 5. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. rated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

*****End of Test Report*****

USEPA-3050A

USEPA-3050A

USEPA-3050A

IS 2720 (Part-23)

ETS/STP/SOIL-19

1.54

1.76

111.1

219.3

46.9

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg



| Piter No. 1172; 8.5. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 mail: ethableS122geneil.com [: Website: www.ordstable] Philesentre destableS122geneil.com [: Website: Philes | ETS-LAB | | GOVERNMENT APP G.T. Road industrial | | Ú.P.) - 201001 | | |
|--|---|------------------------------|---|---|---|--|--|
| | | email: etslab2012@gmail.co. | m Website : www.et | siab.in Ph. 9911 | 516076, 9811736063 | | |
| | 幕之 | | TEST RE | PORT | | | |
| Name And Address of Custom:Mrs. The Prompt Enterprises Pvt Ltd., Village Dnatir & Dudhole, Tensil & District Palval. HaryanaDate of Sampling15.04.2023Analysis End Date21.04.2023Analysis End Date21.04.2023Sampling Done ByETS/TF.138Sampling Done ByETS/TF.138Sampling Done ByETS/TF.2001.01Sampling DoardingSC - Shin Ram Mandir, (Lat 28°13'22.72"NiLong 77°14'57.25"C)Sampling DoardingETS/TF.2001.01Sampling DoardingETS/TF.2001.01Sampling DoardingSetterPathing ConditionSetterSampling DoardingSetterSampling Doarding Capacity WhithSetterSampling Doar | TES | ST REPORT NO.: | ETS/2023/04/438 | I | DATE OF REPORT: 22 | 2.04.202 | |
| District Palwal, Haryana Date of Sampling 15.04.2023 Analysis Start Date 17.04.2023 Analysis Start Date 17.04.2023 Analysis Start Date 17.04.2023 Sampling Done By ETS STAFF Sampling Description SOL Sampling Location SOL Sampling Location SOL Sampling Location SOL Sampling Method ETS/STP/SOL-01 Sample Quantity 2.0 kg. Packed fn ZIP POLY BAG Start ZIP POLY BAG Start Start Sampling Condition SEALED Sampling Conductivity (EC) Vanta Start Start Start Start Sampling Conductivity (EC) Partini 108.8 (220.0 (Part-4) Start Start Start Start Start Start Start Start Analysis Kart Start Start Start Stare ZiP POLY BAG | | SOIL | SAMPLE ANA | LYSIS REPO | DRT | | |
| Analysis Start Date 17.04 2023 Analysis End Date 21.04 2023 Sample ID No ETSTP1-138 Sampling Done By ETS STAFF Sampling Description SOL Sampling Location SO-5:Shiv Ram Mandir, (Lat 28°13'22.72"N:Long 77°14'57.25"E) Sampling Method ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packed In ZIP POLY BAG Sample Quantity 2.0 kg. Packed In ZIP POLY BAG Sample Quantity Siman Sample Quantity Siman Sample Quantity Siman Sample Quantity Siman Analysis Start Display Siman Sample Quantity Siman Sama Siman < | Nan | ne And Address of Customer : | | erprises Pvt Ltd., Vil Ina | age Dhatir & Dudhola, 1 | Tehsíl & | |
| Analysis End Dale 21.04.2023 Sampling Done By ETS/TP-138 Sampling Done By ETS/TP-138 Sampling Description SOL Sampling Docation SO-5.Shiv Ram Mandir,(Lat 28°13'22.72"N:Long 77°14'57.25"E) Sampling Method ETS/STP/SOIL-01 Sample Quantity 20 kg. Packing Condition SEALED Packing Conductivity(EC) 4 000 fb 2720 (Part-4) 8 Electrical Conductivity(EC) 4 11 82720 (Part-4) 8 Electrical Conductivity(EC) # 41 18 2720 (Part-4) 9 Bodium (No) 198 220 (Bert-4) 10 Potessity 9200 (Part-2) 10 Potessity (MHC) 198 220 (Bert-4) 11 Belledrical Conductivity(EC) # 103 10 3220 (Part-2) 12 Choncie.(C0) 199 403 103 (DS220 (Part-2) 13 Bodium (No) 199 403 108 (Part-2) 14 Choncie.(C | | | 15.04.2023 | | | | |
| Sample ID Ne ETS/TP-138 Sampling Done By ETS STAFF Sampling Location SOL Sampling Location SOL Sampling Decision SOL Sampling Location SOL 5.Shiv Ram Mandir, (Lat - 28°13'22.72"N; Long 77°14'57.25"E) Sampling Method ETS/STP/SOL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG Sint Test Method 4 Clay 5 Sint 4 Clay 5 Sint 4 Clay Condition 5 Sint 4 Clay Conductivity (EC) 4 Sint 5 Deterrised Conductivity (EC) 8 Sitt Total (Conductivity (EC) 8 Sitt Total (Conductivity (EC) 9 Sitt Total (Conductivity (EC) 9 Sitt Total (Conductivity (EC) 9 Bodium, (Na) 10 Total (Sittage (Part-2)) 11 Total (Natage (N) | | • | | | | | |
| Sampling Done By ETS STAFF Sampling Description SOL Sampling Location SOL 5. Shiv Ram Mandir, (Lat 28*13'22.72"N; Long 77"14'57 25"E) Sampling Method ETS/STP/SOL_01 Sample Quantity 2.0 kg. Packed In ZIP POLY BAG Sant Sant Sant Sant <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| Sampling Description SOIL Sampling Location SOI-5, Shiv Ram Mandir, (Lat 28*13'22.72"N; Long 77*14'57.25"E) Sample Method ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Packed In ZIP POLY BAG Sind 100 Poly Poly Poly Poly Poly Poly Poly Poly | | • | | | | | |
| Sampling Method ETS/STP/SOIL-01 Sample Quantity 2.0 kg. Packing Condition SEALED Total Mathematication of the second s | Sam | pling Description | | | | | |
| Sample Quantity 2.0 kg. Packing Condition SEALED Packed in ZIP POLY BAG Simolar Sealer Sealer | Sam | pling Location | SQ- 5;Shiv Ram Man | dir, (La t 28°13'22.7 ; | 2"N;Long 77°14'57.25' | Έ) | |
| Packing Condition SEALED ZIP POLY BAG 3. No Test Parameter Unit Result Test Method 4. Texture Unit SANOY CLAY LOAM IS 2720 (Part-4) 2. Sand % 53.6 IS 2720 (Part-4) 3. Sit % 22.3 IS 2720 (Part-4) 4. Clay % 24.1 IS 2720 (Part-4) 5. Electrical Conductivity (EC) µs/cm 23.2 IS 14767 7. Buik Densky g/cm3 1.03 IS 2720 (Part-2) 9. Sodium, (Na) mg/kg 170.5 USEPA-3050A 11. Total Nitrogen (N) mg/kg 3.64 ET8/STP/SOUL-15 12. Otworise (CO) % 0.60 IS 2720 (Part-22) 13. Magnesium, (Ma) mg/kg 0.23.5 IS 31377-3 14. Organic Matter (OM) % 0.80 IS 2720 (Part-22) 15. Auminium (A) mg/kg 0.33 USEPA-3050A 14. Organic Matter (OM) % 0.80 IS 2720 (Part-22) 16. Cadmium, (Cd) mg/kg 0.34 USEPA-3050A | | | ETS/STP/SOIL-01 | | | | |
| Packed In ZIP POLYBAG S. No. Test Parameter Unit Result Test Method 2. Sand 33 Sand 13 Sand 16 2720 (Part-4) 3. Sand 34 22.3 Is 2720 (Part-4) 16 2720 (Part-4) 3. Sand 32.1 Is 1770 (Part-4) 16 2720 (Part-4) 4. Clay 42.1 Is 2720 (Part-4) 16 2720 (Part-4) 5. Electrical Conductivity (EC) µscm 23.2 Is 1777 (Part-26) 7. Bulk Densky µcm3 10.3 Is 2286 (Part-4) 9. Softium, (Na) mg/kg 170.5 USEPA-3050A 11. Totel Nitrogen (N) mg/kg 170.5 USEPA-3050A 12. Chloride, Ch) mg/kg 0.30 USEPA-3050A 13. Graphic Matter, (CM) mg/kg 0.30 USEPA-3050A 14. Organic Matter, (CM) % 0.43 USEPA-3050A 15. Jummin, (A) mg/kg 0.30 USEPA-3050A 16. Cadmium, (Ca) mg/kg 0.31 USEPA-30 | | • | * | | | | |
| S. No. Test Parameter Unit Result Test Method 1 Texture SANDY CLAY LOAM IS 2720 (Part-4) SANDY CLAY LOAM IS 2720 (Part-4) 3 Site % 53.6 IS 2720 (Part-4) 4 Clay % 23.5 IS 2720 (Part-4) 5 Electrical Conductivity (EC) #Scorn 23.2 IS 14787 6 pH 7.27 IS 2720 (Part-2) State 7 Bulk Densaty g/cm3 10.3 IS 2386 (Part-4) 9 Sodium (Na) mg/kg 63.2 USEPA-3050A 10 Potassium (K) mg/kg 23.5 B3 1377-3 11 Total Nitrogen (N) mg/kg 87.2 ETS/STP/SOIL-15 12 Chloride.(C0) mg/kg 87.2 ETS/STP/SOIL-15 14 Organic Matter (OM) % 0.30 USEPA-3050A 12 Chloride.(C0) mg/kg 0.31 USEPA-3050A 14 Organic Matter (OM) % 0.40 USEPA-3050A | | - | | | | | |
| 1 Testure Test Method 2 Sand % SANDY CLAY LOAM IS 2720 (Part-4) 3 Sitt % 22.3 IS 2720 (Part-4) 4 Clay % 24.1 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 23.2 IS 2720 (Part-4) 6 pH | 5. N | o. Test Paramete | | | | | |
| 2 Safe 9% 53.6 IS 2720 (Part-4) 3 Sili % 22.3 IS 2720 (Part-4) 4 Clay % 24.1 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 23.2 IS 14767 7 Buik Densky g/cm3 1.03 IS 2366 (Part-4) 8 Water Holding Capacity (WHC) % 13.3 IS 2720 (Part-2) 9 Sodium (Na) mg/kg 170.5 USEPA-3050A 10 Potassium (K) mg/kg 170.5 USEPA-3050A 11 Total Nitrogen (N) mg/kg 8/2.2 ETS/STP/SOIL-15 13 Magnesium (Mg) mg/kg 8/2.2 ETS/STP/SOIL-06 14 Organic Matter (CM) % 0.60 IS 2720 (Part-22) 16 Camium (Cd) mg/kg 0.33 USEPA-3050A 17 Chromurn (Cd) mg/kg 0.30 USEPA-3050A 18 Copper (Cu) mg/kg 1.51 USEPA-3050A <t< td=""><td>1</td><td>Texture</td><td></td><td></td><td></td><td></td></t<> | 1 | Texture | | | | | |
| June % 22.3 IS 2720 (Part-4) 5 Electrical Conductivity (EC) µs/cm 23.2 IS 14767 6 pH 7.27 IS 2206 (Part-4) 15.2720 (Part-26) 7 Bulk Densky g/cm3 1.03 IS 2386 (Part-4) 8 Water Holding Capacity (WHC) % 13.3 IS 2720 (Part-26) 9 Sodium (Na) mg/kg 63.2 USEPA-3050A 10 Potassium (K) mg/kg 170.5 USEPA-3050A 11 Total Nitrogen (N) mg/kg 87.2 USEPA-3050A 12 Chloride (Cl) mg/kg 87.2 ETS/STP/SOIL-15 13 Magnesium (Mg) mg/kg 0.80 IS 2720 (Part-22) 16 Cadmium (CA) mg/kg 0.30 USEPA-3050A 17 Chromium (Ca) mg/kg 0.30 USEPA-3050A 18 Capper (Cu) mg/kg 0.30 USEPA-3050A 19 Iron (Fc) mg/kg 0.34 USEPA-3050A | | | | 53.6 | terment to be a second s | | |
| 5 Electrical Conductivity (EC) µScm 23.2 IS 1126 6 pH 7.27 IS 2720 (Part-25) 7 Buik Densky g/cm3 103 IS 2366 (Part-4) 8 Water Holding Capacity (WHC) % 103 IS 2366 (Part-4) 9 Sodium (Na) mg/kg 63.2 U/SEPA-3050A 11 Total Nitrogen (N) mg/kg 17.5 U/SEPA-3050A 11 Total Nitrogen (N) mg/kg 85.1377-3 12 Chloride (CD) mg/kg 85.1377-3 13 Magnesum (Mg) mg/kg 87.2 ETS/STP/SOIL-15 14 Organic Matter (CM) % 0.60 IS 2720 (Part-22) 14 Organic Matter (CM) % 0.60 IS 2720 (Part-22) 15 Atuminium (Al) mg/kg 0.30 U/SEPA-3050A 16 Cadmium (Cd) mg/kg 0.30 U/SEPA-3050A 16 Cadmium (Cd) mg/kg 0.34 U/SEPA-3050A 17 Chromium | | | | | IS 2720 (Part-4) | | |
| Buik Densky 7.27 15 2720 (Part-26) 8 Water Holding Capacity (WHC) 9 1.03 15 2386 (Part-4) 9 Sodium (Na) mg/kg 63.2 USEPA-3050A 11 Total Nitrogen (N) mg/kg 17.7 3 12 Chloride (CI) mg/kg 17.7 3 13 Magnesium (Mg) mg/kg 17.5 USEPA-3050A 14 Total Nitrogen (N) mg/kg 3.64 ETS/STP/SOIL-15 12 Chloride (CI) mg/kg 3.64 ETS/STP/SOIL-06 14 Organic Matter (OM) % 0.60 15 2720 (Part-22) 14 Organic Matter (OM) % 0.60 15 2720 (Part-22) 15 Atuminium (CI) mg/kg 0.39 USEPA-3050A 17 Chromium (Cr) mg/kg 0.30 USEPA-3050A 18 Capper (Cu) mg/kg 0.34 USEPA-3050A 19 Iron (Fe) mg/kg 0.34 USEPA-3050A 20 Lead | § | | | | IS 2720 (Part-4) | | |
| 8 Water Holding Capacity (WHC) 9 1.03 IS 2326 (Part-4) 9 Sodium (Na) mg/kg 63.2 U/SEPA-3050A 10 Potassium (K) mg/kg 63.2 U/SEPA-3050A 11 Total Ninogen (N) mg/kg 10.5 U/SEPA-3050A 11 Total Ninogen (N) mg/kg 3.64 ETS/STP/SOIL-15 12 Chonkie (CI) mg/kg 87.2 ETS/STP/SOIL-16 13 Magnesium (Mg) mg/kg 87.2 ETS/STP/SOIL-06 14 Organic Matter (OM) % 0.60 IS 2720 (Part-22) 15 Atuminium (Al) mg/kg 0.39 U/SEPA-3050A 17 Chromium (Cr) mg/kg 0.39 U/SEPA-3050A 18 Copper, (Cu) mg/kg 0.31 U/SEPA-3050A 18 Copper, (Cu) mg/kg 0.34 U/SEPA-3050A 20 Lead (Pb) mg/kg 1.51 U/SEPA-3050A 21 Manganese (Mn) mg/kg 1.31 U/SEPA-3050 | | | ······································ | 7.27 | | | |
| 9 Sodium.(Na) mg/kg 63.2 USEPA-3050A 16 Potessium (K.) mg/kg 170.5 USEPA-3050A 11 Total Ninggen (N) mg/kg 3.64 ETS/STP/SOIL-15 12 Chloride.(Ci) mg/kg 3.64 ETS/STP/SOIL-15 13 Magnesium.(Mg) mg/kg 87.2 ETS/STP/SOIL-15 14 Organic Matter.(OM) % 0.60 IS 2720 (Part-22) 16 Cadmium.(Al) mg/kg 0.39 USEPA-3050A 15 Atuminium.(Al) % 0.60 IS 2720 (Part-22) 16 Cadmiurn.(Cd) mg/kg 0.39 USEPA-3050A 17 Chromiurn.(Cr) mg/kg 0.30 USEPA-3050A 18 Copper.(Cu) mg/kg 1.31 USEPA-3050A 20 Lead (Pb) mg/kg 1.31 USEPA-3050A 21 Mangaese.(Mn) mg/kg 1.31 USEPA-3050A 22 Zirc.(Zn) mg/kg 1.89 USEPA-3050A | | | · · · · · · · · · · · · · · · · · · · | | | | |
| 18 Potassium (K) mg/kg 170.5 USEPA-3050A 11 Total Nitrogen (N) mg/kg 3.64 ETS/STP/SOIL-15 12 Chlonicle, (Ci) mg/kg 87.2 ETS/STP/SOIL-15 13 Magnesium, (Mg) mg/kg 87.2 ETS/STP/SOIL-06 14 Organic Matter, (OM) % 0.60 IIS 2720 (Part-22) 16 Cadmium, (Al) mg/kg 0.39 USEPA-3050A 17 Chromium, (Cd) mg/kg 0.39 USEPA-3050A 18 Copper, (Cu) mg/kg 0.30 USEPA-3050A 19 Iron, (Fe) mg/kg 1.51 USEPA-3050A 20 Lead (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.31 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.85 USEPA-3050A 23 Nickel, (Ni) mg/kg 1.31 USEPA-3050A 24 Calcium, (Ca) mg/kg 1.85 USEPA-3050A | Per | Sodium (Na) | | | | | |
| 11 Iolar Mildgen (v) mg/kg 3.64 ETS/STP/SOH-15 12 Chloride, (Ci) mg/kg 283.5 BS 1377 -3 13 Magnesium, (Mg) mg/kg 87.2 ETS/STP/SOH-16 14 Organic Matter, (OM) % 0.60 IS 2720 (Part-22) 15 Atuminium, (Al) mg/kg 0.39 USEPA-3050A 17 Chromium, (Cd) mg/kg 0.30 USEPA-3050A 18 Copper, (Cu) mg/kg 0.30 USEPA-3050A 18 Copper, (Cu) mg/kg 1.51 USEPA-3050A 19 Iron, (Fe) mg/kg 0.34 USEPA-3050A 20 Lead (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.31 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.85 USEPA-3050A 23 Nickel, (Ni) mg/kg 1.31 USEPA-3050A 24 Calcium, (Ca) mg/kg 1.85 USEPA-3050A | B-48000000000000000000000000000000000000 | | | | | | |
| 13 Magnesium (Mg) Ingrkg 283.5 BS 1377-3 14 Organic Matter (OM) % 0.60 IS 2720 (Part-22) 15 Atuminium (Al) mg/kg 0.39 USEPA-3050A 16 Cadmium (Cd) mg/kg 0.45 USEPA-3050A 17 Chromium (Cr) mg/kg 0.30 USEPA-3050A 18 Copper (Cu) mg/kg 0.30 USEPA-3050A 19 Iron (Fe) mg/kg 0.34 USEPA-3050A 20 Lead (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese (Mn) mg/kg 0.34 USEPA-3050A 22 Zinc (Zn) mg/kg 1.31 USEPA-3050A 23 Manganese (Mn) mg/kg 1.31 USEPA-3050A 23 Nickel (NI) mg/kg 1.89 USEPA-3050A 24 Calcium (Ca) mg/kg 1.89 USEPA-3050A 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 <td coli="" t<="" td=""><td></td><td></td><td></td><td></td><td>A REAL PROPERTY AND A REAL</td><td></td></td> | <td></td> <td></td> <td></td> <td></td> <td>A REAL PROPERTY AND A REAL</td> <td></td> | | | | | A REAL PROPERTY AND A REAL | |
| 14 Organic Matter, (OM) % 0.60 IS 2720 (Part-22) 15 Atuminium, (Al) mg/kg 0.39 USEPA-3050A 16 Cadmium, (Cd) mg/kg 0.45 USEPA-3050A 17 Chromium, (Cr) mg/kg 0.30 USEPA-3050A 18 Copper, (Cu) mg/kg 1.51 USEPA-3050A 19 Iron, (Fe) mg/kg 1.31 USEPA-3050A 20 Lead, (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.31 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.31 USEPA-3050A 23 Nickel, (Ni) mg/kg 1.89 USEPA-3050A 24 Calcium, (Ca) mg/kg 210.8 IS 2720 (Part-23) 25 Phosphorus (PO4) mg/kg 210.8 IS 2770 (Part-23) 25 Phosphorus (PO4) mg/kg 210.8 IS 2770 (Part-23) 26 Phosphorus (PO4) mg/kg 210.8 IS 2770 (Part-23) <td>foresterio and a second</td> <td></td> <td></td> <td></td> <td>*** **********************************</td> <td></td> | foresterio and a second | | | | *** ********************************** | | |
| 15 Aluminium,(Al) mg/kg 0.39 USEPA-3050A 16 Cadmium,(Cd) mg/kg 0.45 USEPA-3050A 17 Chromium,(Cr) mg/kg 0.30 USEPA-3050A 18 Copper,(Cu) mg/kg 1.51 USEPA-3050A 19 Iron,(Fe) mg/kg 132.5 USEPA-3050A 20 Lead (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese,(Mn) mg/kg 0.34 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.31 USEPA-3050A 23 Nickel,(Ni) mg/kg 1.89 USEPA-3050A 24 Calcium,(Ca) mg/kg 210.8 IS 2720 (Pert-23) 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOL-19 TECH TECH SERVICES | 20000000 | | | And a second | | | |
| 16 Caomium.(Ca) mg/kg 0.45 USEPA-3050A 17 Chromium.(Cr) mg/kg 0.30 USEPA-3050A 18 Copper.(Cu) mg/kg 1.51 USEPA-3050A 19 Iron.(Fe) mg/kg 1.51 USEPA-3050A 20 Lead.(Pb) mg/kg 0.34 USEPA-3050A 21 Manganese.(Mn) mg/kg 1.31 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.31 USEPA-3050A 23 Nickel.(Ni) mg/kg 1.89 USEPA-3050A 24 Calcium.(Ca) mg/kg 74.2 USEPA-3050A 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 TECH SERVICES | the second se | | | | | | |
| In Operation (Cr) mg/kg 0.30 USEPA-3050A 18 Copper, (Cu) mg/kg 1.51 USEPA-3050A 19 Iron, (Fe) mg/kg 132.5 USEPA-3050A 20 Lead (Pb) mg/kg 0.34 USEPA-3050A 21 Manganese, (Mn) mg/kg 1.31 USEPA-3050A 22 Zinc, (Zn) mg/kg 1.85 USEPA-3050A 23 Nickel, (Ni) mg/kg 74.2 USEPA-3050A 24 Calcium, (Ca) mg/kg 210.8 IS 2720 (Part-23) 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 ****End of Test Report**** | | | mg/kg | 0.45 | | | |
| 19 Iron.(Fe) mg/kg 1.51 USEPA-3050A 20 Lead.(Pb) mg/kg 0.34 USEPA-3050A 21 Manganese.(Mn) mg/kg 0.34 USEPA-3050A 22 Zinc.(Zn) mg/kg 1.31 USEPA-3050A 23 Nickel.(Ni) mg/kg 1.89 USEPA-3050A 24 Calcium.(Ca) mg/kg 74.2 USEPA-3050A 25 Phosphorus (PO4) mg/kg 210.8 IS 2720 (Part-23) TECH mg/kg 43.5 ETS/STP/SOIL-19 | 2 W 10 W 1 | | The second se | Construction of the second | USEPA-3050A | | |
| 20 Lead (Pb) Induxg 132.5 USEPA-3050A 21 Manganese (Mn) mg/kg 0.34 USEPA-3050A 22 Zinc (Zn) mg/kg 1.31 USEPA-3050A 23 Nickel (Ni) mg/kg 1.89 USEPA-3050A 24 Calcium (Ca) mg/kg 74.2 USEPA-3050A 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 ****End of Test Report**** | | | | | | | |
| 21 Inditigatiese (Min) mg/kg 1.31 USEPA-3050A 22 Zinc,(Zn) mg/kg 1.89 USEPA-3050A 23 Nickel,(Ni) mg/kg 74.2 USEPA-3050A 24 Calcium,(Ca) mg/kg 210.8 IS 2720 (Peri-23) 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 ****End of Test Report***** OTECH SERVICES *****End of Test Report***** | | Lead (Pb) | | | | | |
| ZZ Zilla;(Zh) mg/kg 1.89 USEPA-3050A Z3 Nickel, (Ni) mg/kg 74.2 USEPA-3050A Z4 Calcium, (Ca) mg/kg 210.8 IS 2720 (Peri-23) Z5 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 ****End of Test Report***** OTECH SERVICES FOR ENVIRO-TECH SERVICES | ····· | | | The second | | | |
| 24 Calcium.(Ca) mg/kg 74.2 USEPA-3050A 25 Phosphorus (PO4) mg/kg 210.8 IS 2720 (Pert-23) 25 Phosphorus (PO4) mg/kg 43.5 ETS/STP/SOIL-19 ****End of Test Report**** | | | | | | | |
| 25 Phosphorus (PO4) mg/kg 210.8 IS 2720 (Pert-23) 0.1ECH mg/kg 43.5 ETS/STP/SOIL-19 | the second se | | | | USEPA-3050A | | |
| TECH SERVICES | | | | | IS 2720 (Part-23) | | |
| FOR ENVIRO-TECH SERVICES | | | <u> </u> | 43.5 | | | |
| | C.TEC | 4 | | For | | | |
| Note: 1 CHECKED BY | . 131 % | | | • 4 7 • 64 | | ₹ViCE: | |

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT HSPCB (Computer No. 10454 No. 191551/2024/Estt.Br



ETS-LAB

ENVIRO-TECH SE K

An Analytical Laborations

ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gunail.com | Website www.etslab.in | Ph.: 9911516076. 9811736063

TEST REPORT

TEST REPORT NO .:

ETS/2023/04/439

DATE OF REPORT: 22.04.2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

15.04.2023 17.04.2023 21,04.2023 ETS/TP-139 **ETS STAFF** SOIL SQ- 6;MS Hospital Dhatir,(Lat.- 28*11*22.59"N;Long.- 77*14'43.21"E)

Sampling Method Sample Quantity **Packing Condition** Packed In

ETS/STP/SOIL-01 2.0 kg. SEALED ZIP POLY BAG

| S. No. | Test Parameter | Unit | Result | Test Method |
|--------|------------------------------|----------------|-----------------|-------------------|
| 1 | Texturc | | SANDY CLAY LOAM | IS 2720 (Part-4) |
| 2 | Sand | % | 50.9 | IS 2720 (Part-4) |
| 3 | Sit | % | 26.1 | IS 2720 (Part-4) |
| 4 | Clay | *% | 23,0 | IS 2720 (Part-4) |
| 6 | Electrical Conductivity (EC) | µs/cm | 21.2 | IS 14767 |
| 6 | pH | | 7.32 | IS 2720 (Part-26) |
| 7 | Buik Density | g/cm3 | 1.20 | IS 2386 (Part-4) |
| 8 | Water Holding Capacity (WHC) | % | 21.4 | IS 2720 (Part-2) |
| 9 | Sodium.(Na) | mg/kg | 90.0 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 192.5 | USEPA-3050A |
| 11 | Total Nitrogen (N) | mg/kg | 5.86 | ETS/STP/SOIL-1 |
| 12 | Chloride.(Cl) | mg/kg | 226.9 | BS 1377 -3 |
| 13 | Magnesium (Mg) | ing/kg | 90.0 | ETS/STP/SOIL-0 |
| 14 | Organic Matter.(OM) | 9% | 0.67 | IS 2720 (Part-22) |
| 15 | Aluminium (Al) | mg/kg | 0.42 | USEPA-3050A |
| 16 | Cadmium,(Cd) | mg/kg | 0,50 | USEPA-3050A |
| 17 | Chromium,(Cr) | mg/kg | 0.34 | USEPA-3050A |
| 18 | Copper.(Cu) | mg/kg | 1.64 | USEPA-3050A |
| 19 | Iron, (Fe) | mg/kg | 151.0 | USEPA-3050A |
| 20 | Lead.(Pb) | mg/kg | 0.37 | USEPA-3050A |
| 21 | Manganese.(Mn) | mg/kg | 1.54 | USEPA-3050A |
| 22 | Zinc,(Zn) | ing/kg | 1.74 | USEPA-3050A |
| 23 | Nickel,(Ni) | mg/kg | 96.6 | USEPA-3050A |
| 24 | Calcium.(Ca) | mg/kg | 219.6 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | m ģ/k g | 65.3 | ETS/STP/SOIL-1 |



*****End of Test Report***** For ENVIRO-TECH SERVICES

IMRA.

AUTHORNED ANGUATORY

Note:-

2. The results indicated only referro the tested samples and listed applicable parameters. 3. No complaint with the indication of received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishalile sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| 51/2024/Es | | ENVIRO (A GO | D -TEC | | An Analytical Lab | | 1 F |
|------------|---------|--|--|-----------------------|-----------------------|-------------------------------|------------|
| ETS-LAB | em | Plot No. 1/32, S.S. of G all : etslab2012@gmail.com | | | • • • | | |
| | | | TEST | RFP | ORT | | |
| Price P | TEST | REPORT NO .: | ETS/2023/04/4 | | | TE OF REPORT: 22.04.202 | 3 |
| | | SOIL | SAMPLE | ANAL | YSIS REPOI | रा | |
| | Name | And Address of Customer : | M/s, The Prom District Palwal, | pt Enterpr Haryana | ises Pvt Ltd , Villag | e Dhatir & Dudhola, Tehsil & | |
| | Date o | f Sampling | 15.04.2023 | | | | |
| | Analys | sis Start Date | 17.04.2023 | | | | |
| | Analys | is End Date | 21.04.2023 | | | | |
| | Sampl | e ID No | ETS/TP-140 | | | | |
| | Sampl | ing Done By | ETS STAFF | | | | |
| | * | ing Description | SOIL | | | | |
| | Sampl | ing Location | SQ- 7;Bharat P 77*16'37.86"E) | ublic Sch | ool, Dudhola,(Lat : | 28°11'39.89"N;Long | |
| | Sampl | ing Method | ETS/STP/SOIL | -01 | | | |
| | | e Quantity | 2.0 kg. | • | | | |
| | | g Condition | SEALED | | | | |
| | Packe | d In | ZIP POLY BAG | | | | |
| | S. No. | Test Paramete | r | Unit | Result | Test Method | |
| | 1 | Texture | | | SANDY CLAY LOAM | | |
| | 2 | Sand Silt | | % | 56.2 | IS 2720 (Part-4) | |
| | 4 | Clay | ······ | <u>×</u> | 18.1 | IS 2720 (Part-4) | |
| | 5 | Electrical Conductivity (EC) | | % µs/cm | 25.8 | IS 2720 (Part-4) | |
| | 6 | рн | ······································ | porom | 7.35 | IS 14767 IS 2720 (Part-26) | |
| | 7 | Bulk Density | | g/cm3 | 1,18 | IS 2386 (Part-4) | |
| | 8 | Water Holding Capacity (WHC) | | * | 19.3 | 18 2720 (Part-2) | |
| | 9 10 | Sodium.(Na) Potassium (K) | **** | mg/kg | 84.7 | USEPA-3050A | |
| | 11 | Total Nitrogen (N) | | mg/kg | 154.0 | USEPA-3050A | |
| | i | Chloride, (Cl) | | mg/kg mg/kg | 5,15 360 3 | ETS/STP/SOIL-15 | |
| | 13 | Magnesium.(Mg) | | mg/kg | 360,2 85.3 | BS 1377 -3 ETS/STP/SOIL-08 | |
| | | Organic Matter,(OM) | | %. | · | IS 2720 (Part-22) | |
| | | Aluminium.(Al) Cadmium.(Cd) | | ₽1 Q/k Q | 0.33 | USEPA-3050A | |
| | | Chromium.(Cr) | | mg/kg | | USEPA-3050A | |
| i | | Copper,(Cu) | | mg/kg mg/kg | 0.32 | USEPA-3050A | |
| | 19 | lion,(Fe) | | mg/kg | 1.73 143.1 | USEPA-3050A USEPA-3050A | |
| | | Lead,(Pb) | | mg/kg | | USEPA-3050A | |
| | | Manganese.(Mn) | | mg/kg | | USEPA-3050A | |
| | | Zinc.(Zn) Nickel.(Nii) | | mg/kg | 2.01 | USEPA-3050A | |
| ł | | Calcium.(Ca) | | mg/kg mg/kg | | USEPA-3050A | |
| L | | | | | | IS 2720 (Part-23) | |



Note:-

G

Note: I. Text reports authority AB HOLOGRAM are not issued by our laboratory. 2. The result indicated out refer to the tested samples and listed applicable parameters.

3. No complaind will be entertained if received after 7 days of issue of test report.

4. Our liability is fimited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of text report.

6. This lest report shall not be used in any advertising media or as evidence in the court of Law without prior writing permission of the faboratory.

***** End of Test Report*****



For ENVIRO-TECH SERVICES

| LAB T-LAB | ema | (A GC Plot No. 1/32, S.S. of G I : etslab2012@gmas.cem | VERNMENT APP .T. Road Industrial Website www.c | ROVED LA Area, Ghazi | abad (U.P.) - 201001 | ISO 45001 |
|--------------|---------|--|--|-------------------------|--|----------------|
| B | | بر المراجع الم | TEST R | | | |
| | rest r | EPORT NO .: ETS/2023/0 | | | DATE OF REPORT: | 21.04.2023 |
| | | NO | ISE MONITO | RING R | EPORT | |
| ļ | Name A | and Address of Customer | | t Enterprises | Pvt Ltd , Village Dhatir & D | udhola, Tehsil |
| | Date of | Monitoring | 15.04.2023 | | | |
| | Monitor | ing Start Date | 15.04.2023 | | | |
| | Monitor | ing End Date | 15.04.2023 | | | |
| | Duratio | n Of Monitoring | 24 HOURS | | | |
| | Sample | ID No | ETS/TP-127 | | | |
| | Monitor | ri ng Done By | ETS STAFF | | | _ |
| | Sampli | ng Location | : NQ-1;Project s | ite .(Lat 28* | 12'9.69"N;Long 77°15'40. | 39°E) |
| | | ng Method ry Of Area | : ETS/STP/NOIS : INDUSTRIAL A | | | |
| | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leq dB(A) | Test Method |
| | 1 | Day Time Noise Level | Leq :dB (A) | 63.0 | 75 | 1\$: 9989 |
| | 2 | Night Time Noise Level | Leg :dB (A) | 54.3 | 70 | IS- 9989 |



Note:-I. Test reports without EASTAB HOLOGRAM are not issued by our taboratory. 2. The result indigget our refer to the tested samples and listed applicable parameters. 3. No complaint with the entertained if received after 7 days of issue of test report.

4. Our liability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

denerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



| | | | | An | RVICES Analylical Isboratory | ISO 45 |
|--------|--------|--|--|------------------------------|--|-----------------|
| TS-LA8 | 01 | 1 | | ial Area, Gh | aziabad (U.P.) - 201001 | 6063 |
| | W. OT | | | EPORT | | |
| | 1521 | REPORT NO.: ETS/2023/0 | | | DATE OF REPORT | 22.04.2023 |
| | | NO | ISE MONITO | RING R | EPORT | |
| | Name | And Address of Customer | : M/s, The Prom & District Palwa | | s Pvt Ltd , Village Dhatir & I | Dudhola, Tehsil |
| | Date c | f Montoring | 15.04.2023 | | | |
| | Monito | pring Start Date | 15.04.2023 | | | |
| | Monito | ring End Date | 16.04.2023 | | | |
| | Durati | on Of Monitoring | 24 HOURS | | | |
| | Sampi | e ID No | ETS/TP-128 | | | |
| | | ring D one By | ETS STAFF | | | |
| | Sampl | ing Location | : NQ-2;Shri Vish | wakarma Ski | Il University.(Lat 28°11'55 | 53"N Long |
| | • | ing Method Dry Of Area | 77°17'13.80"E) ETS/STP/NOIS SILENCE ARE/ | E-01 | | |
| | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| | 1 | Day Time Noise Level | Leq :dB (A) | 47.7 | 50 | IS: 9989 |
| | 2 | Night Time Noise Level | Leq :dB (A) | 39.0 | 40 | IS: 9989 |
| | Remai | k: Day time is reckoned in be Night time is reckoned in t | etween 06.00 A.M. a between 10.00 P.M. | and 10.00 P.1 and 06.00 A | м, М. | |
| | | - | | | ** # 1. | |



For ENVIRO-TECH S&RVICES

AND NUMRAJ AUDHONIGED BIONATORY

1

Note:-1. Test reports in the IAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. Na complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Binlagical / Perishable sample shall be destroyed immediately after issue of text report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

| (A GOVERNMENT APPROVED LAB) ETS-LAB Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 | |
|--|--|
| FTS-IAR Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 | |

TEST REPORT NO .: ETS/2023/04/429

DATE OF REPORT: 22.04.2023

NOISE MONITORING REPORT

: M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil Name And Address of Customer & District Palwal, Haryana

| S NO T | act Persmotor | | iInit | Requit | Specification/ Limit | Test Method |
|-----------|-----------------------|---|--------------------------|--------|--------------------------|--------------|
| | y Method / Of Area | * | ETS/STP/NO SILENCE AR | | | |
| |) Location | : | 77°15'56.84" | E) | hola, Palwal,(Lat 28*12) | 32.17"N;Long |
| Monitorir | ng Done By | | ETS STAFF | | | |
| Sample I | D No | | ETS/TP-129 | | | |
| Duration | Of Monitoring | | 24 HOURS | | | |
| Monitorin | ig End Date | | 16.04.2023 | | | |
| Monitorin | ng Start Date | | 15.04.2023 | | | |
| Date of N | tonitoring | | 15,04,2023 | | | |

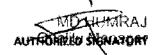
| S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | lest Method |
|--------|------------------------|-------------|--------|--|-------------|
| 1 | Day Time Noise Level | Leq :dB (A) | 44.8 | 50 | IS: 9989 |
| 2 | Night Time Noise Level | Leq :dB (A) | 36.1 | 40 | IS: 9989 |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



For ENVIRO-TECH SERVICES



REPORT NUMBER OF STAR HOLOGRAM are not issued by our laboratory.

2. The scaling of the forter to the fested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable vaniple shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior writing permission of the laboratory.

| ETS-LAB | | Plot No. 1/32, S.S. of | G.T. | ERNMENT A | PROVED I al Area, Gh | aziabad (U.P.) - 201001 | ISO 45001 | | | | |
|---------|--|-------------------------------|-------|---|-------------------------|--|-------------|--|--|--|--|
| | 13 | nail : etslab2012@gmail.com | 17t | Websile : www | etslab.in | Ph.: 9911516076, 9811736 | 3063 | | | | |
| | | | | | REPOR | ſ | ····· | | | | |
| | TEST | REPORT NO.: ETS/2023 | /04/4 | DATE OF REPORT: 22.04.202 | | | | | | | |
| | | NOISE MONITORING REPORT | | | | | | | | | |
| | Name | And Address of Customer | | M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana | | | | | | | |
| | Date of | of Monitoring | | 15.04.2023 | | | | | | | |
| | Monitoring Start Date Monitoring End Date | | | 15.04.2023 | | | | | | | |
| | | | | 16.04.2023 | | | | | | | |
| | Ourati | on Of Monitoring | | 24 HOURS | | | | | | | |
| | Sample ID No Monitoring Done By | | | ETS/TP-130 ETS STAFF | | | | | | | |
| | | | | | | | | | | | |
| | Sampl | ing Location | ; | NQ- 4:Arogyam,(Lat 28°12'47.53"N;Long 77°14'10 71"E) | | | | | | | |
| | • | ing Method pry Of Area | • | ETS/STP/NOISE-01 COMMERCIAL AREA | | | | | | | |
| | S. No. | Test Parameter | | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | | | | |
| | T | Day Time Noise Level | | Leq :d8 (A) | 53.7 | 65 | IS: 9989 | | | | |
| | 2 | Night Time Noise Level | | Leq :dB (A) | 45.0 | 55 | IS: 9989 | | | | |
| | Rema | rk: Day time is reckoned in t | betw | en (16.00 A.M | and 10.00 Pr | 1 | | | | | |



For ENVIRO-TECH SERVICES



Note:-t. Test reports with ST AB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our Hability is limited to invoice value only.

5. The sample shall be destroyed after 35 days & Biologicat / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or av evidence in the court of Law without prior workfen permission of the laboratory.

| | | <u>01(0014)/12/2023-S</u> (| | | | (Computer N |
|------------|----------|--|--|------------|--|--|
| 91551/2024 | 4/Estt.B | ENVIRG |)-TECH | Ass A | Inalylical Laboratory | (50 45001 |
| ETS-LAB | ema | Plot No. 1/32, S.S. of G all : etslab2012@gmail.com | T. Road Industrial | Area, Ghaz | iabad (U.P.) - 201001 | 63 |
| | | <u></u> | TEST R | EPORT | | |
| | TEST P | REPORT NO .: ETS/2023/0 | 4/431 | | DATE OF REPORT: | 22.04.2023 |
| | | NO | ISE MONITO | RING RI | EPORT | |
| | Name / | And Address of Customer | : M/s, The Promp & District Palwa | | Pvt Ltd , Village Dhatir & D | udhola, Tehsil |
| | Date of | Monitoring | 15.04.2023 | | | |
| | | ring Start Date | 15,04,2023 | | | |
| | Monito | ring End Date | 16.04.2023 | | | |
| | | on Of Monitoring | 24 HOURS | | | |
| | Sample | e ID No | ETS/ЛР-131 | | | |
| | Monito | ring Done By | ET\$ STAFF | | | |
| | Sampli | ng Location | • | | hatir.(Lat 28°12'22.87"N;I | Long |
| | - + | ing Method ory Of Area | 77°14'56.03"E) : ETS/STP/NOIS : SILENCE ARE/ | E-01 | | an a |
| | [| Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leq dB(A) | Test Method |
| | | | | 42.7 | 50 | IS: 9989 |
| | 1 | Day Time Noise Level | Leq :dB (A) | ·14.1 | | |

Remark: Day time is reckoned in betwee Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



Notest * 1. Test endors window BTS LAB HOLOGRAM are not issued by our taboratory. 2. The results influenced only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

G

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising metia or as evidence in the court of 1.aw without prior will be permission of the laboratory. erated from eoffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH

SERVICES

AUTHONIZED SHON Aroky Quality Manager

| ETS-LAB | 61 | Piot No. 1/32, S mail : etslab2012@gm | .S. of G.T. | ERNMENT AI Road Industri Website . www | al Ároa Gh | LAB) aziabad (U.P.) - 201001 Ph.: 9911516076, 9811730 | ISO 45001 5063 | | | |
|---------|--------|--|--|--|------------------------------|---|-------------------|--|--|--|
| | TEST | REPORT NO.: ETS | /2023/04/4 | TEST F | REPORT | DATE OF REPOR | 5: 22.04.2023 | | | |
| | | | NOIS | | DRING F | | | | | |
| | Name | And Address of Cust | | | ot Enterprise | s Pvt Ltd . Village Dhatir & | Dudhola, Tehsil | | | |
| | Date | of Monitoring | | 15.04.2023 | | | | | | |
| | Monite | oring Start Date | | 15.04.2023 | | | | | | |
| | Monit | pring End Date | | 16.04.2023 | | | | | | |
| | Durati | on Of Monitoring | | 24 HOURS | | | | | | |
| | Samp | le ID No | | ET\$/TP-132 | | | | | | |
| | Monite | oring Done By | | ETS STAFF | | | | | | |
| | Samp | ling Location | : NQ-6;MS Hospital Dhatir,(Lat 28°11'22.59"N;Long 77°14'43.21"E) | | | | | | | |
| | • | ling Method ory Of Area | ETS/STP/N SILENCE A | | - | | | | | |
| | S. No. | Test Parameter | | Unit | Result | Specification/ Limit (as Per CPCB): Leq dB(A) | Test Method | | | |
| | 1 | Day Time Noise Leve | 31 | Leq :dB (A) | 47,6 | 50 | 15: 9989 | | | |
| | 2 | Night Time Noise Ler | vel | Leq :dB (A) | 38.8 | 40 | IS: 9989 | | | |
| | Rema | rk: Day time is reckon Night time is reckoi | ed in betwe ned in betw | en 06.00 A.M. a een 10.00 P.M. | ind 10.00 P.1 and 06.00 A | И. . М . | | | | |



1. Test report Strate IS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only,

Note:-

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior writid permission of the laboratory.



| ETS-LAB | ema | (A GC Plot No. 1/32, S.S. of G all : etslab2012@gmail.com | VERNMENT APP | Area Ghaz | Inalylical Laboratory NB) Nabad (U.P.) - 201001 | ISO 45001 |
|---------|---------|---|---|-----------------------------|---|------------------|
| | | | TEST R | EPORT | | |
| | TEST R | EPORT NO.: ETS/2023/04 | V433 | | DATE OF REPORT: | 22.04.2023 |
| | | NO | SE MONITO | RING RI | EPORT | |
| | Name A | and Address of Customer | M/s, The Promp & District Palwa | t Enterprises I, Haryana | Pvt Ltd , Village Dhatir & D | udhola, Tehsil |
| | Date of | Monitoring | 15.04.2023 | | | |
| | Monitor | ing Start Date | 15.04.2023 | | | |
| | Monitor | ring End Date | 16.04.2023 | | | |
| | Duratio | n Of Monitoring | 24 HOURS | | | |
| | Sample | BID No | ETS/TP-133 | | | |
| | Monito | ring Done By | ETS STAFF | | | |
| | Sampli | ng Location | | | Dudhola,(Lat 28°11'39.89 | wittong.~ |
| | | ng Method ory Of Area | 77°16'37.86"E) ETS/STP/NOIS SILENCE ARE | E-01 | | |
| | [| Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| | 1 | Day Time Noise Level | Leq :dB (A) | 46.6 | 50 | IS: 9989 |
| | 2 | Night Time Noise Level | Leg :dB (A) | 37.8 | 40 | IS: 9989 |

4

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



Note:-

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our fightlity is limited to involce value only. 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

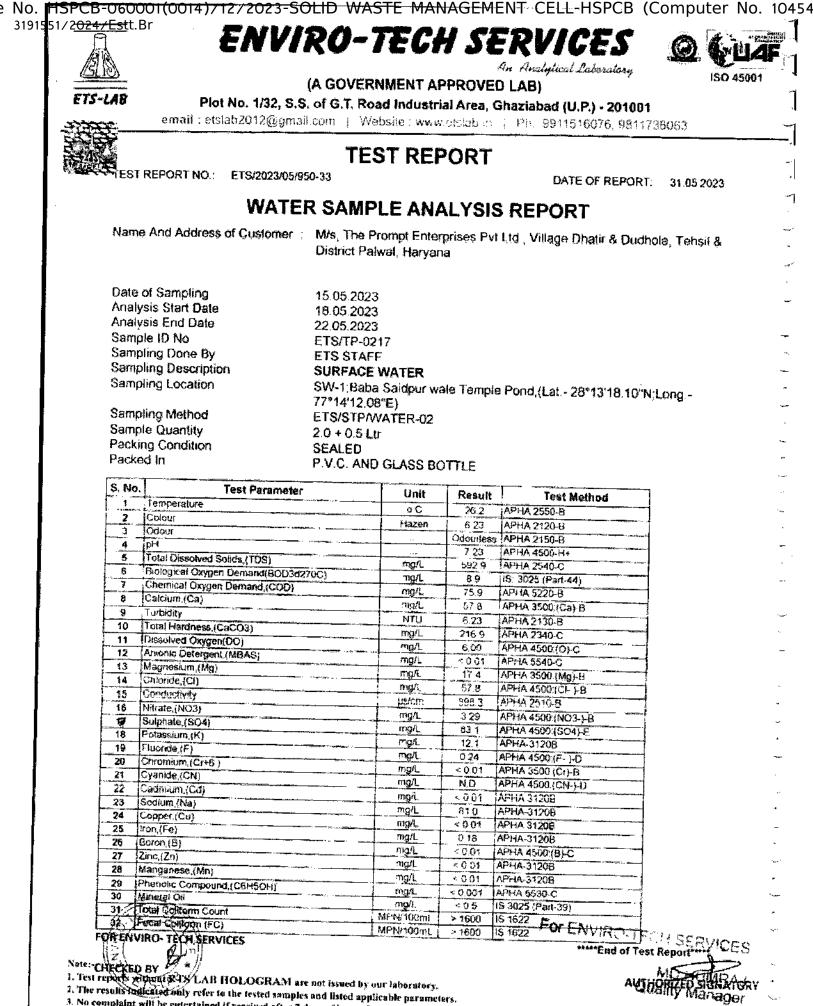
FOR ENVIRO-TECH SERVICES

AUTHORIZED SUGNATIONY

Quality Manager

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior 42 fiten permission of the laboratory.

Gen erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



hour RTS/LAB HOLOGRAM are not issued by our laboratory.

2. The results todicated only refer to the tested samples and listed applicable parameters.

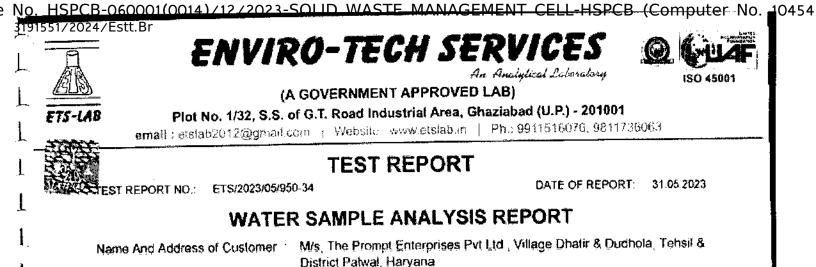
3. No complaint will be entertained if received after 7 days of issue of test report.

Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or an evidence in the court of Law without prior writech permission of the laboratory.

Clerk 3_(SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

22.05.2023 **ЕТS/ТР-0218 ETS STAFF** SURFACE WATER SW-2;Dhatir Pond,(Lat.- 28°11'38.34"N:Long.- 77°14'49.95"E) ETS/STP/WATER-02

Sampling Method Sample Quantity Packing Condition Packed In

2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

15 05 2023

18.05.2023

| S. No. | Test Parameter | Unit | Result | Test Method | |
|--------|-------------------------------------|-----------|-----------|---------------------|------------|
| 1 | Temperature | 00 | 26.3 | APHA 2550-8 | |
| 2 | Colour | i-lazen | 7,23 | APHA 2120-8 | |
| 3 | Odour | | Odourless | APHA 2150-B | |
| 4 | pH | | 7.27 | APHA 4500-H+ | |
| 5 | Total Dissolved Solids, (TOS) | mg/L | 621.6 | APHA 2540-C | |
| 6 | Biological Oxygen Demand(BOD3d270C) | mg/L | 11.1 | IS: 3025 (Part-44) | |
| 7 | Chemical Oxygen Demand,(COD) | į mg/L | 90.9 | APHA 5220-8 | |
| 8 | Calcium (Ca) | mgA. | 62.5 | АРНА 3500 (Ca)-B | |
| 9 | Turbidity | NIU | 7.23 | APHA 2130 B | |
| 10 | Total Hardness (CaCO3) | i mg/l | 227.7 | APHA 2340-C | |
| 11 | Dissolved Oxygen(DO) | mg/L | 5.48 | APHA 4500.(O)-C | |
| 12 | Anionic Detergent (MBAS) | mg/L | < 0.01 | APHA 5540-C | |
| 13 | Magnesium,(Mg) | mgfL | 20.8 | APHA 3500.(Mg)-B | |
| 14 | Chloride.(Cl) | ITY SAL | 62.5 | APHA 4500 (CI-)-8 | |
| 15 | Conductavity | us/cm | 927 7 | APHA 2510-B | |
| 16 | Nitrate (NO3) | mg/L | 3 5 5 | APHA 4500: (NO3-)-B | |
| 17 | Sulphate (SO4) | mg/L | 69.8 | APHA 4500 (SO4)-E | |
| 18 | Potassium.(K) | 1/15/L | 13.7 | APHA 3120B | |
| 19 | Fluoride,(F) | mg/l. | 0.22 | APHA 4500:(F-)-D | |
| 20 | Chromium.(Cr+6) | mg/L | < 0.01 | APHA 3500 (Cr)-B | |
| 21 | Cyanide.(CN) | mg/L | ND | APHA 4500:(CN-)-D | |
| | Cadmium.(Cd) | ոցչլ | < 0.01 | AFHA 31208 | |
| 23 | Sodium (Na) | mg/L | 90.9 | APHA-3120B | |
| | Copper.(Cu) | mg/L | < 0.01 | APHA 3120B | |
| | lion (Fe) | mg/L | 0 15 | APHA-31208 | |
| 26 | Boron (B) | mg/L | < 0.01 | APHA 4500.(8)-C | |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | APHA-31200 | |
| 28 | Manganese (Mr.) | mg/L | < 0 01 | APHA-31208 | |
| 29 | Phenolia Compound,(C6H5OH) | | < 0.001 | APHA 5530-C | |
| 30 | Mineral Oil | այլ այս - | < 0.5 | IS 3025 (Part-39) | |
| 31 | Total Coliform Count | MPN/100mL | > 1600 | IS 1622 | |
| 132 | Fedel Collform (FC) | MPN/100mL | > 1600 | IS 1622 For ENVIRO | بو بجر بجر |

FOR ENVIRO TECH SERVICES

Note: 4 CHECKED BY 4

t. Test Hours without TS LAB HOLOGRAM are not issued by our inburatory.

2. The results and could only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately gravissue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the aboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



| | HSPCB-060001(C | 014)/12/2023-50 | ULD WAST | F MAN | AGEME | NT_CFLL-HSPCB | (Computer No. | 10454 |
|-----|---|---|---|------------------------|------------------------|--------------------------|---------------------------------------|--------|
| 515 | ETS-LAB | (| A GOVERNM of G.T. Road | AENT APE Industrial | ہ ROVED Area, Gh | aziabad (U.P.) - 2010 | | |
| | | annar mining (Kr | TES | TREP | ORT | | | -1 |
| | TEST REPO | DRT NO.: ETS/2023/05/9 | 50-35 | | | DATE OF REPO | ORT: 31.05.2023 | 1 |
| | | WATE | | .E ANA | LYSIS | REPORT | | ļ |
| | Name And | Address of Custamer | M/s, The Pro District Palw | | | Ltd , Village Dhatir & D | udhol <u>a,</u> Tehsil & |]] |
| | Date of Sa Analysis S Analysis E Sample ID Sampling Sampling Sampling | itart Date Ind Date No Done By Description | 15.05.2023 18.05.2023 22.05.2023 ETS/TP-021 ETS STAFF SURFACE V SW-3;Dudw | NATER | .at 28°12 | '29.15''N;Long 77°15' | 59.05°'E) | |
| | Sampling Sample Q Packing C Packed In | uanfity ondition | ETS/STP/W 2.0 + 0.5 Ltr SEALED P.V.C. AND | | TTLE | | | - |
| | S. No. | Test Paramete | <u> </u> | Unit | Result | Test Method | | |
| | • • • • • • • • • • • • • • • • • • • | perature | • | ٥C | 26.5 | APHA 2550-B | | - |
| | 2 Cold | | | Hazen | 6.23 | APHA 2120-B | I | |
| | 3 Odo | L2F | | | Odouriess | APHA 2150-B | | - |
| | 4 pH | | | | 7.32 | APHA 4500 H+ | | - |
| | | Dissolved Solids,(TDS) | 23001 | mg/l_ | | APHA 2540-C | · · · · · · · · · · · · · · · · · · · | |
| | | igical Oxygen Demand(BOD3d Nical Oxygen Demand,(COD) | 270C) | mg/L | 7.4 | IS 3025 (Part-44) | | |
| | | ium,(Ca) | ······ | mg/L | 84.2 | APHA 5220-5 | | - |
| | 9 Turb | | | mg/L | 50.9 | APHA 3500 (Ca)-B | | |
| | | Hardness (CaCO3) | | NTU | 5.23 | APHA 2130-B | | •. |
| | 2 co / 0,02 | · · ·································· | i | നാരമ | 100 \$ | ADUA 2240 C | ··· • | |

| · · · · · · · · · · · · · · · · · · · | | 1 1110 | P.60 | MTTA 2130-0 |
|---------------------------------------|----------------------------|-----------|---------|--------------------|
| 10 | Total Hardness (CaCO3) | mgA, | 199.5 | APHA 2340 C |
| 11 | Dissolved Oxygen(DO) | mg/L | 5.28 | APHA 4500.(O)-C |
| 12 | Anionic Detergent (MBAS) | mg/l, | < 0.01 | APHA 5540-C |
| 13 | Magnesium,(Mg) | mg/t, | 17 35 | APHA 3500:[Mg]-B |
| 14 | Chioride (Ci) | | 50.9 | APHA 4500 (CI-)-8 |
| 15 | Conductivity | us/cm | 981.5 | APHA 2510-B |
| 16 | Nitrale, (NO3) | | | |
| 17 | Sulphate (504) | mgñ_ | 2.89 | APHA 4500 (NO3-)-B |
| 18 | Potassium (K) | mg/t_ | 73.2 | APHA 4500 (SO4)-E |
| 19 | Fluoride,(F) | ուցվ | 14.5 | APHA-3120B |
| 20 | Chromium, (Cr+6) | mg/L | 0.24 | APHA 4500 (F-)-D |
| 21 | Cyande (CN) | mg/L | < 0.01 | APHA 3500 (Cr)-B |
| | | mg/L | NÖ | APHA 4500 (CN-+D |
| 22 | Csdmium.(Cd) | TIGÄ. | < 0 01 | APHA 31206 |
| 23 | Sodium,(Na) | ոց/Լ | 87.1 | APHA-31208 |
| 24 | Copper.(Cu) | rogA_ | < 0.01 | APHA 31206 |
| 25 | kon (Fe) | mgŕ_ | 0.21 | APHA-31208 |
| 26 | Beron.(B) | mg/L | < 0.01 | APHA 4500 (B)-C |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | APHA-31208 |
| 28 | Manganèse (Mn) | ոցվ. | < 0.01 | APHA-31208 |
| 29 | Phenolic Compound (C6H5OH) | mg/L | < 0.001 | APHA 5530-C |
| | Afmiriat Qil | | | |
| | Total Collorm Count | MPN/10GmL | < 0.5 | (15 3025 (Part-39) |
| /32/ | Fecal Odwietin (FC) | MPN/100mL | > 1600 | 1\$ 1622 |
| | | | > 1600 | 15 1622 FOR ENV |

FOR ENVIRO- TECH SERVICES

Note- CHECKED BY

1. Test reports another ETS LAB HOLOGRAM are not issued by our faboratory.

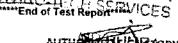
- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoke value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the information.

For ENVIRO

eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



ĴĽ.

Authonized Signatory Quality Manager





An Analytical Laboratory

ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website ...www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

ST REPORT NO .: ETS/2023/05/950-36 DATE OF REPORT: 31.05.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s. The Prompt Enterprises Pvt Ltd _ Village Dhalir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

Sampling Method Sample Quantity **Packing Condition** Packed In

15.05.2023 18.05.2023 22.05.2023 ETS/TP-0220 ETS STAFF SURFACE WATER SVV-4: Pokhar wala Madir Pond, (Lat. - 28°12'18.94"N; Long. -77°13'37.63''E) ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Test Parameter | Unit | Result | Т | est Method |
|--------------|-------------------------------------|--------------|------------------------|--------------------|----------------------|
| 1 | Temperature | 00 | 26.2 | APHA 255 | 0-0 |
| 2 | Colour | j Hazen | 7 23 | APHA 212 | 0-B |
| 3 | Odour | | Colourless | APHA 215 | 0-8 |
| 4 | | | 7 25 | 7 25 APHA 4500-H+ | |
| 5 | Total Dissolved Solids, (TDS) | ngA | ma/L 583.6 APHA 2540-C | | 0-C |
| 6 | Biological Oxygen Demand(BOD3d270C) | mg/L | 12 5 | IS: 3025 (F | ² ar(-44) |
| 7 | Chemical Oxygen Demand (COD) | mg/L | 97 9 | APHA 522 | 0-8 |
| 8 | Calcium (Ca) | mg/L | 54.9 | APHA 350 | 0:(Ca)-B |
| 9 | Turbidity | NTU | 7 23 | APHA 213 | 0-8 |
| 10 | Total Hardness (CaCO3) | mg/t_ | 208.2 | APHIA 234 | 0-C |
| 11 | Dissolved Oxygen(DO) | nig/L | 4 50 | APHA 450 | 0:(Q)-C |
| 12 | Anionic Detergent (MBAS) | mg/L | < 0.01 | APHA 554 | <u>ec</u> |
| 13 | Magnesium,(Mg) | mg/L | 39,0 | APHA 350 | 0:(Mg)-B |
| 14 | Chloride, (Cl) | <u>п.ç/L</u> | 54.9 | AFHA 4500 (CI-)-B | |
| 15 | Conductivity | บร. เวท | 871.1 | APHA 251 | <u> 0-B</u> |
| 16 | Nitrate (NO3) | mg/L | 3 12 | APHA 4500 (NO3-) B | |
| 17 | Sulphate,(SO4) | mart | 79.0 | APHA 450 | |
| 18 | Potassium,(K) | mg/L | 116 | API IA-312 | 08 |
| 19 | Fluoride, (F) | mg/L | 0 29 | APHA 450 | 0.(F-)-D |
| 20 | Chromium (Cr+6) | | <0.01 | APHA 350 | 0'(Cr)-8 |
| 21 | Cyanide (CN) | rng/L | ND. | APHA 450 | 0.(CN-)-0 |
| 22 | Cadmium.(Cd) | i mg/L | < 0.01 | APHA 312 | 08 |
| 23 | Sodium (Na) | mg/L | 95.7 | APHA 312 | 208 |
| 24 | Copper (Cu) | mg/L | < 0.01 | APHA 312 | 08 |
| 25 | Iron,(Fe) | j mgA_ | 0 25 | APHA-312 | 20B |
| 26 | Boron,(B) | mg/l. | < 0.01 | APHA 450 | 0:(B)-C |
| 27 | Zinc, (Zn) | mg/L | < 0.01 | APHA-312 | 10B |
| 28 | Manganese,(Mn) | nig/L | < 0.01 | APHA-312 | 108 |
| 29 | Phenolo-Compound (C6H5OH) | ng/L | < 0.001 | APHA 553 | 0-C |
| .30 ြ | Minetal (OI) | mg/L | < 0.5 | IS 3025 (F | Part-39) |
| /31/ | Total Could form Count | MPN/100mL | > 1500 | IS 1622 | |
| 32 | Fecal Colligun (FC) | MPN/100mL | > 1600 | 15 1622 | For ENVIRC |

34 SERVICES

Note:-CHECKED BY

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the texted samples and fisted applicable parameters,

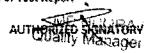
3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our flability is finited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after fssue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



EVICES

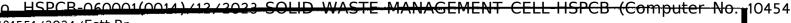
| | | | | | An | RVICES Analytical Laboratory | ISO 45 |
|--------------|------------------|--|--|-------------------------------|---|--|--------------|
| <u>(916)</u> | | - | | MENT APP | | | |
| ETS-LA | B | | | | | aziabad (U.P.) - 201001 | |
| | | email : etslab2012@grnail. | com į Web | site ; www.et | slab.in | Ph.: 9911516076, 9811736 | 063 |
| | | | ······································ | | ODT | | |
| | | | | ST REP | URI | | |
| AND THE T | TEST | REPORT NO.: ETS/2023/05/9 | 50-37 | | | DATE OF REPORT: | 31 05.2023 |
| | | WATE | R SAMP | LE ANA | LYSIS | REPORT | |
| | 6 1 | | | | | | L. Tabath C |
| | Name | And Address of Customer | | rompt Enterp Iwal, Haryana | | Ltd , Village Dhatir & Dudho | ia, rensir & |
| | | | DISTINCT | (wai, 17a) yasic | 2 | | |
| | . . | م <u>م</u> ر م | | _ | | | |
| | | of Sampling sis Start Date | 15.05.202 | | | | |
| | | sis End Date | 18.05,202 | | | | |
| | | le ID No | ETS/TP-02 | | | | |
| | | ling Done By | ETS STAP | | | | |
| | | ling Description | SURFACE | | | | |
| | Samp | ling Location | 244-20MBH | an-upstream | ,(Lat 28' | °12'23.76"N;Long - 77°15'31 | .68"E) |
| | Samp | ling Method | ETS/STP/ | WATER-02 | | | |
| | Samp | le Quantity | 2.0 + 0.5 L | | | | |
| | | ng Condition | SEALED | | | | |
| | Pack | ed in | P.V.C. AN | D GLASS BO | TTLE | | |
| 1 | S. No | Test Paramete | | Unit | Result | Test Method | |
| | 1 | Temperature | | 00 | 26.4 | APHA 2550-B | |
| | 2 3 | Colour | | Hazen | 5.23 | APHA 2120-B | |
| | | pH | | A : X | Odouriess 7 29 | APHA 2150-B APHA 4500-H* | |
| | 5 | Total Dissolved Selkis (TDS) | ··· | mg/l. | 984.9 | APHA 2540-C | |
| | <u>6</u> 7 | Biological Oxygen Demard(BOD3/ Chemical Oxygen Demand,(COD) | (2760) | mg/L | 45.4 134.9 | IS 3025 (Part-44) APHA 5220-8 | |
| | 8 | Calcium,(Ca) | 10000 mm | mg/L mg/L | 109.3 | APHA 3220-8 APHA 3500 (Ca)-B | |
| | 9 10 | Turbidity Tofat Hardness (CaCO3) | | NTU | 7 23 | APHA 2130-8 | |
| | 11 | Dissolved Oxygen(DO) | | mg/L mg/L | <u>338.4</u> 7.92 | APHA 2340-C APHA 4500 (O)-C | |
| | 12 | Anionic Detergent, (MBAS) | | mg/L | < 0.01 | APIHA 5540-C | |
| - | 1 <u>3</u> 14 | Magnesium (Mg) Chforide (Cl) | | mg/L | 57 9 | APHA 3500 (Mg)-B | |
| ŀ | 15 | Conductivity | | ing/L Jision | 71.7 | APHA 4500 (CI-)-B APHA 2510-B | |
| | 16 | Nitrate (NO3) | | mg/L | 3.75 | APHA 4500:(NO3-)-8 | |
| - | <u>17</u> 18 | Sulphate (SO4) Potassium (K) | | rng/L | 136.4 | APHA 4500:(SO4)-E | |
| - | 19 | Fluonde.(F) | | mg/t | 15.69 0.28 | APHA-31208 APHA 4500 (F+)-D | |
| | 20 | Chromium (Cr+6) | | mg/L | < 0.01 | APHA 3500 (Cr)-B | |
| ļ | 21 22 | Cyanide.(CN) Cadmium.(Cd) | | mg/L | ND. | APHA 4500 (CN-)-D | |
| t. | 23 | Sodium,(Na) | | | <u><0.01</u> 132 7 | APHA 31208 APHA-31208 | |
| r F | 24 | Copper.(Cu) | | mg/l_ | < 0.01 | APHA 31208 | |
| ŀ | 25 26 | Iron,(Fe) Boron (B) | | mg/L | 0,49 | APHA-3120B | |
| H H | 27 | Zinc.(Zn) | ····· | mg/L mg/L | < 0.01 < 0.01 | APHA 4500 (B+C | |
| L. | 26 29 | Manganese, (Mn) Phenolic Compound, (C6H5OH) | ···· | mg/L | < 0.01 | APHA-31208 | |
| ſ | 30=== | Mineral Oil | | mg/L mg/L | < 0.001 < 0.5 | APHA 5530-C | |
| | 31E | Foral Coliform Count | ······································ | MPN/100mL | The second se | IS 3025 (Part-39) IS 1622 | |
| | | Febal Contorn (FC) | | MPN/100mL | | IS 1622 For ENVIRO | |
| | | VIRO TECH SERVICES | | | | ······································ | トイプレント・ |

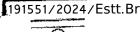
4. Our fiability is limited to invoice value only.

Gen

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prio42. Effect permission of the laboratory.

-





ENVIRO-TECH SERVICES An Analytical Pabaratory



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: stslab2012@gmas.com | Website: www.etslab.in | Ph. 9911516076, 9811736063

TEST REPORT

EST REPORT NO .: ETS/2023/05/950-38 DATE OF REPORT: 31.05.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s. The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & **District Palwal**, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No. Sampling Done By Sampling Description Sampling Location

15.05.2023 18.05.2023 22.05.2023 ETS/TP-0222 ETS STAFF SURFACE WATER SW-6;Nallah-down stream ,(Lat.- 28°12'2.34"N;Long.- 77°15'38.96"E)

Sampling Method Sample Quantity Packing Condition Packed In

ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Test Parameter | Unit | Result | Test Method | |
|--------|-------------------------------------|-----------|-----------|--------------------|--|
| 1 | Temperature | οC | 26.5 | APHA 2550-8 | |
| ž | Colour | Hazen | 7.23 | APHA 2120-8 | |
| 3 | Odour | | Odourless | APHA 2150-8 | |
| 4 | DH | | 7 32 | APHA 4500-+++ | |
| 5 | Total Dissolved Solids, (TDS) | mg/L | 1050.4 | APHA 2540-C | |
| 6 | Biological Oxygen Demand(80D3d270C) | ma/L | 51.6 | IS: 3025 (Part-44) | |
| 7 | Chemical Oxygen Demand,(COD) | mgA | 208.6 | APHA 5220-9 | |
| 8 | Calcium,(Ca) | mg/L | 111.1 | APHA 3500 (Ca) B | |
| 9 | Turbidity | NTU | 8 23 | APHA 2130-B | |
| 10 | Total Hardness (CaCO3) | mg/L | 342.7 | APHA 2340-C | |
| 11 | Dissolved Oxygen(DO) | i my/L | 9 48 | APHA 4500 (O)-C | |
| 12 | Anionic Detergent (MBAS) | mg/L | < 0.01 | APHA 5540-C | |
| 13 | Magnesium (Mg) | mgiL | 618 | API IA 3500 (Mg)-B | |
| 14 | Chioride (Cl) | mg/L | 76.9 | APHA 4500 (CL) B | |
| 15 | Conductivity | usiom | 1516.0 | APHA 2510-B | |
| 16 | Nitrate,(NO3) | mg/L | 4.04 | APHA 4500.(NO3-1-B | |
| 17 | Sulphate (SO4) | ում | 152.2 | APHA 4500 (SO4)-E | |
| 18 | Potassium, (K) | mg/L | 21.6 | APHA-3120B | |
| 19 | Fluoride.(F) | fng/L | 0.39 | APHA 4500:(F- 1-D | |
| 20 | Chromium,(Ct+5) | mg/L. | < 0.01 | APHA 3500 (Cr)-8 | |
| 21 | (Cyande,(CN) | mg/L | N.D. | APHA 4500 (CN-)-D | |
| 22 | Cadmum,(Cd) | រ ៣g/រំ | < 0 01 | APHA 3120B | |
| 23 | Sodium,(Na) | mg/L | 145.7 | APHA 31203 | |
| 24 | Copper.(Cu) | i ng/t | < 0.01 | APHA 3120B | |
| 25 | lion (Fe) | mg/t. | 0.67 | APHA-3120B | |
| 26 | Boron,(B) | mg/L | < 0.01 | APHA 4500:(B)-C | |
| 27 | Zinc.(Zn) | mgit | < 0.0 * | AFHA-3120B | |
| 28 | Manganese.(Mn) | mg/L | < 0.01 | APHA-31208 | |
| 29 | Phenolic Compound,(C6H5OH) | | < 6 001 | APHA 5530-C | |
| 30 - | Ministral Oil | mg/L | < 0.5 | IS 3025 (Par-39) | |
| 24 | Total Contorn Count | MPN/100mL | > 1500 | 15 1622 | |
| 32 | Fecal Colidim (FC) | MPN/100mL | > 1600 | 15 1522 For ENVIRO | |

TECH SERVICES H LIYAKU

Note: CHECKED BY

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

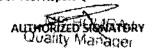
3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

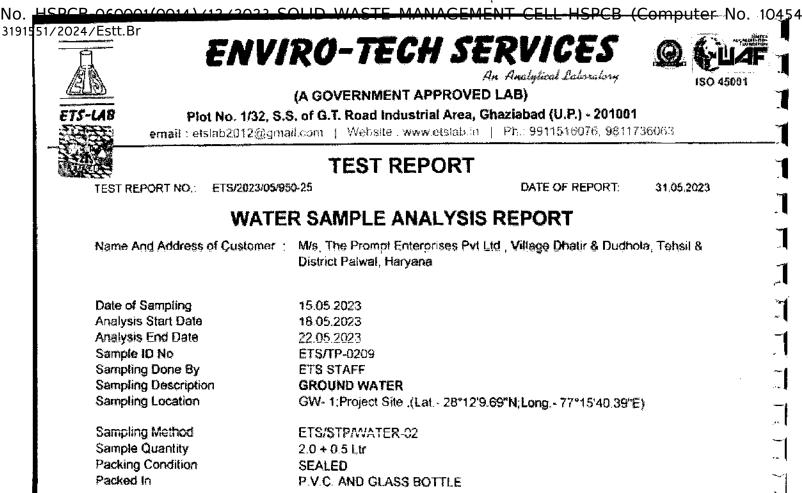
5. The sample shall be destroyed after 15 days & Biological / Peristuble sample shall be destroyed immediately afgogissue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior writien permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



/ICES



| S, No. | Test Parameter | Unit | Result | Specification/Limit (As per iS:10500: 2012.) | | Test Method |
|--------|------------------------------|-------------|--|---|--|--------------------|
| | | | | Dusirable | Permissible | |
| | Temperatura | 0 C | 26.6 | Not Specified | Not Specified | APHA 2550-B |
| 2 | Colour | itazen | <5.0 | 5 | 15 | APHA 2120-8 |
| 3 | Одоци | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150-B |
| 4 | Taste | Qualitative | Agreeable | Agreeablo | Agreeable | APHA 2160-C |
| 5 | рН | | 7.35 | 6.5 - 8.5 | No relaxation | APHA 4500-H+ |
| 6 | Turbidity | NTU | <1.0 | 1 | 6 | APHA 2130-B |
| 7 | Total Descrived Solids (TDS) | l mg/L | 404 3 | 500 | 2000 | APHA 2540-C |
| 8 | Fluorida,(F) | mg/L | 0.16 | 1 | 1.5 | APHA 4500 (F- 1-0 |
| 9 | Total Alkalinity (CaCO3) | mg/L | 163.8 | 200 | 600 | APHA 2320 B |
| 10 | Total Hardness (CaCO3) | mga | 117.6 | 200 | 600 | APHA 2340-C |
| 11 | Calcium,(Ca) | mgA | 40.9 | 75 | 200 | APHA 3500.(Ca)-E |
| | Chloride.(Ct) | mgi | 75.0 | 250 | 1000 | APHA 4500 (CL)-E |
| 13 | Magnesium,(Mg) | mg/L | 3.66 | 30 | >00 | APHA 3500 (Mg)-E |
| 14 | hitrate (NO3) | mail | 1.27 | 45 | NEC (BEARDON | APHA 4000 (NO3-)-0 |
| 15 | Suiphate (SO4) | <u> </u> | 523 | 200 | 400 | |
| 16 | Baron (B) | j mori. | < 0.01 | 0.5 | 400 | APHA 4500 (504)-E |
| 17 | Aluminium.(Al) | mg/L | < 0.01 | 0.03 | 02 | APHA 4500.(B)-C |
| 16 | Arsenic,(As) | mg/ | <0.01 | 0.01 | No relaxation | APHA-31206 |
| 19 | Cadmium,(Cd) | eng4 | < 0.001 | 0.003 | No relaxation | APHA 3120B |
| 20 | Chromum,[Cr] | | < 0.01 | 0.05 | PHILIPPINE STREET CONTRACTOR CONTRACTOR | APHA J120B |
| 21 | Copper,(Cu) | ពាព្ឋ។ | < 0.01 < 0.01 | 0 05 | No relexation | APHA-31208 |
| 22 | Iron (Fe) | пиди | < 0.05 | 1 | and a second sec | APHA 31208 |
| 23 | Lead,(Pb) | | < 0.01 | | No relaxation | APHA-3120H |
| 24 | Manganese (Mn) | ugA. | < 0.01 | <u>9.01</u> | No relaxanon | APHA-31208 |
| 25 | Mercury,(Hg) | mg/L | < 0.001 | 0.001 | 0.3 | APHA-31208 |
| 26 | Selenium (Se) | mg/l | < 0.01 | | | APHA-31140 |
| 27 | Zinc.(Zn) | mg/L | < 0.01 | 0.01 | | APHA-31206 |
| 26 | Amonic Detergent (MBAS) | mg/L | | 5 | 15 | APHA-3120B |
| | Minutal Ca | | <u><0.01</u> | 0.2 | 1 | APHA 5540-C |
| 30 | Phenote Compound (C6H5OH) | <u>ngñ</u> | | 0.5 | No reianabon | 18 3025 (Part-39) |
| | Conductivity | fngiL | < 0.001 634 7 | 0.001 | 8.002 | APHA 5530-C |
| 32 | Total Coliforna Count | per 100mi | and the second s | Not Specified | Not Specified | APHA 2510-B. |
| 33 - 1 | Estherchua coli | per 100mL | Absent Abserd | Shall not be Shall not be | detectable | IS 15785 |

FOR ENVIRO-TECH SERVICES

No.

those BAS LAB HOLOGRAM are not issued by our laboratory.

2. The result industrial only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our fishing is fimited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

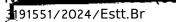
6. This lest report shall not be used in any advertising media or as evidence in the court of Law without prior defiten permission of the laboratory,

SERVICE

AUTHORIZED SKINATORY

For ERIN of Test Report

Quality Manager



ENVIRO-TECH SERVIC



CELL-HSPCB (Computer No. 110454

An Analytical Laboratory

ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etstab2012@gmail.com | Website: www.etstab.in | Ph., 9911516076, 9811736063

TEST REPORT

ETS/2023/05/950-26 TEST REPORT NO.:

DATE OF REPORT: 31.05.2023

WATER SAMPLE ANALYSIS REPORT

15.05.2023

18.05.2023 22.05.2023

Name And Address of Customer

M/s. The Prompt Enterprises Pvt I td , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

MANAGEMENT

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

ETS/TP-0210 ETS STAFF **GROUND WATER** GW- 2;Shri Vishwakarma Skill University,(Lat.- 28°11'55.53"N;Long.-77°17'13.80"E) ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

Sampling Method Sample Quantity Packing Condition Packed In

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per IS:10500; 2012) | | Test Method |
|--------|------------------------------|-------------|-----------|---|---------------|--------------------|
| | | | | Desirable | Permissible | İ., |
| 1 | Temperature | οC | 26.4 | Not Specified | Not Specified | APHA 2550-8 |
| 2 | Colour | Hugen | <5.0 | 5 | 15 | APHA 2120-8 |
| 3 | Odgur | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150-8 |
| 4 | Tasto | Qualitative | Agreeable | Agreeable | Agreeable | AP-1A 2160-C |
| 5 | pH | | 7.38 | 65.85 | No relaxation | APHA 4500-1++ |
| 6 | Turbidity | NTU | <1.0 | 1 | 5 | APHA 2130-D |
| 7 | Tetal Dissolved Solids (TDS) | mg/L | 394.8 | 500 | 2000 | APHA 2540 C |
| 8 | Fluonde (F) | mg/L | 0.21 | 1 | 1.5 | APHA 4500 (F-)-D |
| 9 | Total Alkatinity (CaCO3) | mgt | 184.5 | 200 | 600 | APHA 2320-B |
| 10 | Total Hardness (CaCO3) | mgA | 132.8 | 200 | 600 | APHA 2340-C |
| 11 | Caking (Ca) | mgi | 42.0 | 75 | 200 | APHA 3500:(Ca)-B |
| 12 | Chlonde,(Ci) | mgA | 75.3 | 250 | 1000 | APHA 4500 (CH)-8 |
| 13 | Magnersum (Mg) | ៣៤រុំ | 6.69 | 30 | 100 | APHA 3500:(Mg)-B |
| 14 | Mente (NO3) | mgA. | 1.25 | 45 | No relaxeron | APHA 4500 (NC3-)-8 |
| 15 | Sciphate (SO4) | mg/L | 53.5 | 200 | 400 | APHA 4500 (SO4)-E |
| 16 | Beron.(B) | , Libur . | < 0.01 | 05 | 1 | APHA 4500 (8)-C |
| 17 | Aluminkum (Al) | mg/L. | < 0.01 | 0.03 | 0.2 | APHA-31208 |
| 18 | Arsonic.(As) | ոցլ | < 0.01 | 0.01 | No relaxation | APHA 3120B |
| 10 | Cadmium (Cd) | j mg/L | < 0.001 | 0.003 | No relexation | APHA 31208 |
| 20 | Chromum (Cr) | mg/L | < 0.01 | 0.05 | No relexation | APHA-3120B |
| 21 | Copper.(Cu) | mgA | < 0.01 | 0.05 | 15 | APHA 31208 |
| 22 | Iron (Fe) | i ng/i. | < 0.05 | 1 1 | No relaxation | APHA-31208 |
| 23 | Lead,(Pb) | mgfi. | 1 < 0.01 | 001 | No relaxation | APHA-3120B |
| 24 | Manganese (Mn) | ยฎ/โ | < 0.01 | 0.1 | 0.3 | APHA-31208 |
| 25 | Mercury.(Hg) | mar. | < 0.001 | 0 001 | No relevation | APHA-3114C |
| 26 | Selenium (Se) | mgA. | < 0.01 | 0.01 | No relaxation | APHA-3120B |
| 2? | Z/nc.(Zn) | mg/L | < 0.01 | 5 | 15 | APHA-3120B |
| 28 | Anionic Detergent (MBAS) | mgA_ | < 0.01 | 02 | : | APHA 5540-C |
| 29 | Mineral Q2 | mgit. | < 0.5 | 0.5 | No relaxation | IS 3025 (Part-39) |
| 30 | Phenoke Compound (C6115OH) | mgA. | < 0.001 | 0.001 | 0 002 | APHA 5530-C |
| 31 | Conductivity | USICE | 600,1 | No: Specified | Not Specified | APHA 2510-B |
| 32 | Total Collore Count | per 100ml. | Absent | Shall not be detectable | | /5 15 185 |
| 33 | Escherichte coll | per 100mL | Absent | Shall not b | IS 15185 | |

FOR ENVIRONTECH SERVICES

- 1. Terj reports with our ETS LAB HOLDG RAM are not issued by our faboratory. 2. The periods indicated only refer to the tested samples and listed applicable parameters.

3. No compliant will be entertained if received after 7 days of issue of lest report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For ENVIRO-TEC RVICES



NO. 3191551/2024/Estt.Br



ISO 45001

CALCENT CELL HSPCB (Computer No. 10454

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email ; etstab2012@gmail.com | Website : www.etstab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO .: ETS/2023/05/950-27 DATE OF REPORT: 31,05.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s. The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

Sampling Method Sample Quantity Packing Condition Packed In

15.05.2023 18.05.2023 22.05.2023 ETS/TP-0211 ETS STAFF **GROUND WATER** GW- 3:B M Model School Dudhola, Palwal, (Lat. - 28°12'32.17"N;Long.-77°15'56.84"E) ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Test Paramoter | Unit | Result | Specification/Limit (As per IS:10500: 2012) | | Test Method |
|----------------------------------|--|-----------------------|--|---|---------------|--------------------|
| | | | | Desirable | Permissible | 1 |
| 1 | Temperature | 0C | 26.1 | Not Specified | Not Specified | APHA 2550-B |
| 2 | Colour | Hazen | <5.0 | 5 | 15 | APHA 2120 B |
| 3 | Odour | Quaidative | Agreeable | Agreeable | Agreeable | APHA 2150-8 |
| 4 | Taste | Qualitative | Agreeable | Aureesbe | Agreesble | APHA 2160-C |
| 5 | p#t | | 7.32 | 65-85 | No relaxation | APHA 4500-H+ |
| 6 | Turbitty | NIU | <1.0 | f | 5 | APHA 213D-B |
| 7 | Total Dissolved Selids (TDS) | T 91 | 375.5 | 500 | 2500 | 1APHA 2540-C |
| 8 | Fluonde (F) | mgil | 0.18 | 1 | 1.5 | APHA 4500 (F-)-D |
| 9 | Total Alkalinity.(CaCO3) | mgň | 190.3 | 200 | 600 | APHA 2320-B |
| 10 | Total Haidnees (CeCO3) | mçıL | 139.1 | 200 | 600 | APHA 2340-C |
| 1‡ | Calcium,(Ca) | ngi- | 42.8 | 73 | 200 | |
| 12 | Chioride (Cl) | mgʻi | /47 | 250 | 1000 | APHA 3500 (Ca)-B |
| 1) | Magnesium.(Mg) | mgA. | 7.69 | 30 | 1000 | APHA 4500.(CI-) 6 |
| 14 | Nitrate (NO3) | | | a second s | | APHA 3500:1Mg)-8 |
| 15 | Sulphate (SO4) | | hard and the second sec | 45 | | APHA 4500 (NO3)-5 |
| 16 | Barran, (B) | mg/L | 55.3 | 200 | 400 | APHA 4500 (SO4)-E |
| 17 | Aluminium, (Al) | mat | <001 | 0.5 | 1 | APHA 4500 (B)-C |
| 18 - | Americ (As) | ngt | < 0.01 | 0.03 | 0.2 | APHA-31208 |
| <u> </u> | Cadmsum,(Cd) | mgn | < 0.01 | 0.01 | No relaxation | APHA 31208 |
| | Chromium (Cr) | <u>ma/.</u> | < 0.001 | 0.003 | No reversion | APHA 31208 |
| | Copers, (Cu) | mgA | < 0.01 | 0.05 | No relaxation | APHA-31208 |
| | tion (Fe) | mg/. | < 0.01 | 0.0% | 15 | APHA 3120B |
| 23 | Lead.(Pb) | mgA | < 0.05 | 1 | No relaxation | APHA-3120B |
| | Manganese (Mg) | <u> </u> | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| | Mercury (Hg) | Ug/L | < 0.01 | 0.1 | 0.9 | APHA-3120B |
| | Selenum (Se) | <u> mg/L</u> | < 0.001 | 0 001 | No relaxation | APHA-3114C |
| | Zipc.(Zn) | <u>i ng/l</u> | < 0.01 | 0.01 | No relaxation | APHA-31208 |
| Concernance of the second second | Amonic Detergent (MBAS) | mgiL | < 0.01 | 5 | 15 | APHA 31208 |
| | Minoral Oil | mg/L | < 0 01 | 0.2 | . 1 | APHA 5540-C |
| | | ં ળવ્ય | <u>~05</u> | 0.5 | No relaxation | i& 3025 (Part 39) |
| 31 | Phenois: Compound (C6HSOH) Conductivity | mgt | < 0.001 | 0.001 | 0.002 | APHA 5530.C |
| | Tetal Coliform Count | Literation Literation | 589,6 | Not Specified | Not Specified | APHA 2510-B |
| | Esetetcha col | per 100mL | Absent | | e detectable | 15 15185 |
| 76-1 | | per 100mL | Absent | Shell not be |) detectable | 15 15185 |

FOR ENVILO- TECH SERVICES

Notifi av

host ETS LAB HOLOGRAM are not issued by our laboratory.

wried only refer to the tested samples and listed applicable parameters.

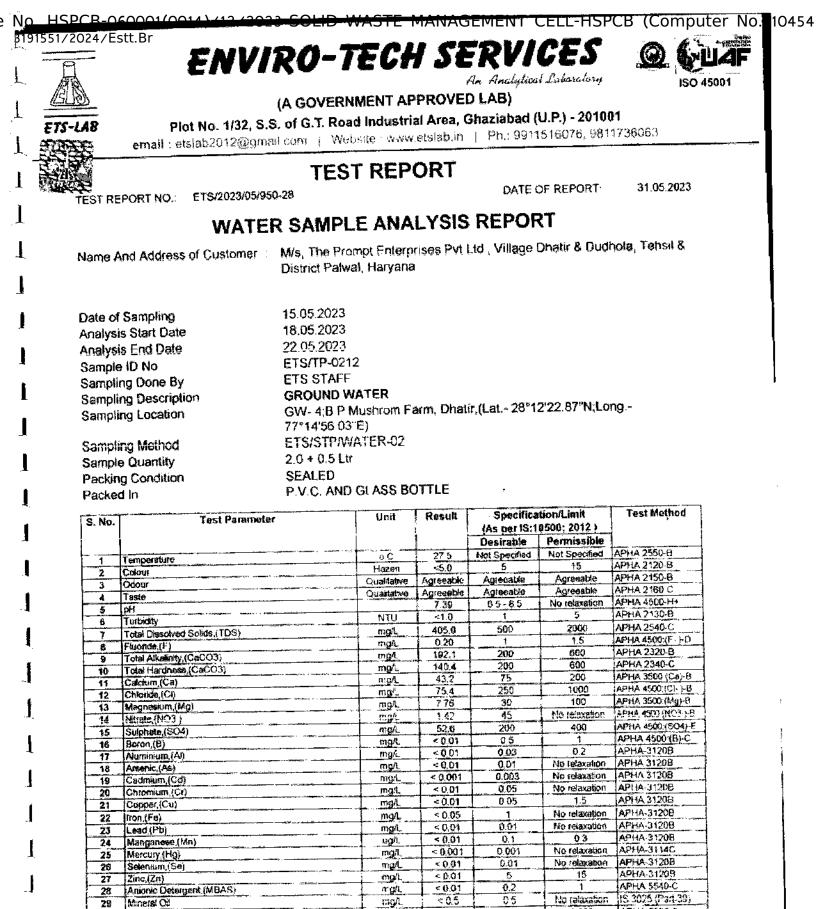
3. No complaint fill for entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perisbable sample shall be destroyed immediately after issue of text report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

For ENIEnd of Test Report





FOR ENVIRO- TECH SERVICES

Total Soliform Count Escapationa coli

Conductivity

Phenotic Compound (C6H5OH)

30

31

33 (

The result indicated only refer to the tested samples and listed applicable parameters. 1. Te

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

mg/L

µs/cm

per 100mL per 100mL < 0.001

6439

Absent

Absent

0.001

Not Specified

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior whilen permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

Shall not be detectable 18 15 185 For ENERGY Report RVICES

APHA 5530-C

APHA 2510-B

IS 15185

0.002

Not Specified

Shall not be detectable

SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 0014 3191551/2024/Estt.Br ENVIRO-TECH SERVICES



NO.

(A GOVERNMENT APPROVED LAB)

An Analytical Laboratory

ISO 45001

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: elsiab2012@gmail.com | Website: www.etsiab.in | Ph., 9911516076, 9811736063

TEST REPORT

TEST REPORT NO .: ETS/2023/05/950-29

DATE OF REPORT: 31.05.2023

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer

M/s, The Promot Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

15.05.2023 18.05.2023 22.05.2023 ETS/TP-0213 **ETS STAFF** GROUND WATER GW- 5;Shiv Ram Mandir,(Lat.- 28°13'22.72"N;Long.- 77°14'57.25"E)

Sampling Method Sample Quantity **Packing Condition** Packed In

ETS/STP/WATER-02 2.0 + 0.5 Ltr SEALED P.V.C. AND GLASS BOTTLE

| S. No. | Test Parameter | Unit | Result | | ation/Limit 10500: 2012 | Test Method |
|--------|--------------------------------|---------------|---|--|---|--------------------------------|
| | | | | Desirable | Permissible | 1 |
| | | ۵Ç | 26.1 | Not Spearfied | Not Specified | APHA 2550-8 |
| 2 | Colour | ÷iazen | <5.0 | 5 | 16 | APHA 2120-8 |
| 3 | Odour | Qualitative | Agreeable | Agreeable | Agreeable | APHA 2150-B |
| | Taste | Qualitative | Agreeable | Agreeable | Acreoable | APHA 2160-C |
| 5 | [pH] | | 7.34 | 6.5-8.5 | No relaxation | APHA 4500-H |
| 6 | Turbidity | NTU | <10 | 4 | 5 | APHA 2130-B |
| 7 | Total Descrived Solids, (11)S) | mgi | 345 7 | 500 | 2000 | |
| 8 | Fluoride (F) | mgiL | 0.18 | | The second se | APHA 2540-C |
| 8 | Total Alkationy (CaCO3) | mg/l. | 183.5 | 200 | 1.5 | APHA 4500 (F-)-D |
| 10 | Total Hardness (CaCO3) | mg/L | 164 1 | ······································ | 600 | APHA 2320-B |
| 11 | Calokum (Ca) | | 43.5 | 200 | 600 | APHA 2340-C |
| 12 | Chloride (Cl) | | and the second se | /5 | 200 | APHA 3500.(Ca)-8 |
| 13 | Magnesium (Mg) | <u> mg/,</u> | 69.7 | 250 | 1000 | APHA 4500 (CI-)-8 |
| 14 | Nitate (NO3) | <u></u> | 10.92 | 30 | 100 | APHA 3500 (Mg)-8 |
| 15 | Sulphate (SO4) | mgA | 1,44 | 15 | No selaxation | AP1-1A 45301 (NO3.L. |
| 16 | Beron (B) | mg/l | 55.9 | 200 | 406 | APHA 4500 (SQ4)- |
| 17 | Auminium (Al) | mg/1 | < 0.01 | 0.5 | | APHA 4500 (B)-C |
| 18 | Arsonic (Ar) | mgd | < 0.61 | 0.03 | 02 | APHA-31208 |
| 19 | Cadmium (Cd) | | - 0.01 | 0.01 | No relaxation | APHA 3120B |
| 20 | Chromium (Cr) | իցը՝ | < 0.001 | 0.003 | No relaxation | APHA 3120B |
| 21 | Copper (Cu) | mg/L | < 0.01 | 0.05 | | APHIA-31208 |
| 22 | | mg/L | < 0.01 | 0.05 | 15 | AF#HA 31206 |
| 23 | Iron (Fe) | | × 0.05 | 1 | No (elaxation | APHA-31208 |
| | Lead (Pb) | mgA | < 0.01 | 0.01 | commenter and the second se | APHA-31208 |
| 24 | Manganese.(Mn) | lig4 | < 0.01 | D.1 | | APHA-31208 |
| 25 | Mercury (Hg) | ուցլ | < 0.001 | 0.001 | | APHA-3114C |
| 26 | Scienzum, (Se) | mg/L | < 0.01 | 0.01 | | APHA-31208 |
| 27 | Zipe (Zn) | mpil_ | < 0.01 | 5 | | the below water and the second |
| 28 | Anionic Detergent (MBAS) | mgt | < 0.0; | 62 | | APHA-31208 |
| | Mineral Ol | mati | - 35 | 5 | | APHA 5540-C |
| | Phenote Compound (C6H5OH) | mg/L | × 0 001 | 0.001 | No relazatos | IS 3025 (Part 38) |
| | Conductivity | Les/cm | 539.3 | and the second s | 0 002 | APHIA 5530 C |
| 32 | Total Coliform Count | per 100mL | Ahsent | Nut Specified | | APHA 2510-R- |
| 33 | L'Scherichia coli | per 100mi | Ansent Absent | Shall not be Shall not be | | IS 15185 |

FOR ENVIRO TECH SERVICES

prose ETS LAB HOLOGRAM are not issued by our laboratory.

Contesting and a set of the second samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our flability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall out be used in any atvertising media or as evidence in the court of Law without prior written permission of the laboratory.

AUTHORIZED STONATORY Quality Manager

Test

For ENVI

| | of G.T. Road Inc | IT APPRC Iustrial Ar | VED LA ea, Ghazi | B) abad (U.P.) | - 201001 | 5063 |
|---|---|---|--|--|---|--|
| -LAB Plot No. 1/32, S.S. cmail : etslab2012@gmail | aone 1 | | | n: 99113:0 | | |
| Cillian Com | TEST F | REPOR | ST. | DATE OF F | | 31.05.2023 |
| TEST REPORT NO .: ETS/2023/05/950 | +30 | | | | | |
| WATE | RSAMPLE | ANALY | 'SIS RI | EPORI | | la Tehsil & |
| Name And Address of Customer | R SAMPLE M/s, The Prompt District Palwal, H | Enterprise | s Pvt Ltd . | Village Dha | llii o Doorio | |
| | | | | | | |
| Date of Sampling | 15.05.2023 18.05.2023 | | | | | |
| Analysis Start Date | 18.05.2023 22.05.2023 | | | | | |
| Analysis End Date | ETS/TP-0214 | | | | | |
| Sample ID No | ETC STAFF | | | | | |
| Sampling Done By Sampling Description | GROUND WAT GW-6;MS Hos | i EK mital Dhali | r.(Lat 28° | 11'22.59"N | Long - 77°1 | 4'43.21'E) |
| Sampling Location | GM- PINP LINE | ipitai errer | | | | |
| | ETS/STP/WAT | ER-02 | | | | |
| Sampling Method | 2.0 + 0.5 Ltr | | | | | |
| Sample Quantity Packing Condition | SEALED | 1 ACC 801 | TIE | | | |
| Packed In | P.V.C. AND G | | | Specificati | on/Limit | Test Method |
| Test Datame | ter | Unit | Result | (As ner (5:10 | 500 2012 | |
| S. No. | | 1 | F | Desirable | DevinicalDiB | APHA 2550-B |
| | | οC | <u>28.2 </u> <5.0 | sot Specified | 15 | АРНА 2120-8 АРНА 2150-8 |
| 1 Temperature 2 Colour | ······································ | Hazen Qualitative | Agreeatie | Agreeable | Agreeable Agreeable | APHA 2160-C |
| 3 Odour | · · · · · · · · · · · · · · · · · · · | Ouaktetive | Agreenble 7.39 | Agreeablo 6.5-8.5 | No relaxation | АРНА 4500-H+ АРНА 2130-8 |
| 4 Taste 5 DH | | NTU | <1.0 | 1 500 | 5 2000 | APHA 2540-C |
| | | | | | | |
| a Tauthadity | | mgA | 4138 0.16 | 1 | 1.5 | APHA 4500.(F-)-0 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 5 Ehopide (F) | | mgA mgA | 0.16 206.9 | 1 200 | | APHA 2320-B |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) | | mg/L mg/L mg/L | 0.16 206.9 162.6 | 1 | 1.5 600 600 200 | APHA 2320-B APHA 2340-C APHA 3500 (Ca)-8 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hardness (CaCO3) 11 Calcium (Ca) | | тдА | 0.16 206.9 162.6 41.2 75.4 | 1 200 200 75 250 | 1.5 600 600 | APHA 2320-B APHA 2340 C APHA 23500 (Ca)-9 APHA 3500 (C1-) B APHA 3500 (Mg) 5 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hardness (CaCO3) 11 Calckim (Ca) 12 Chloride (Cl) | | mgA mgA mgA mgA | 0.16 206.9 162.6 41.2 75.4 14.3 | 1 200 200 75 250 30 | 1.5 600 600 200 1000 1000 1000 1000 | АРНА 2320-В АРНА 2340 С АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 (СГ-)-В АРНА 3500 (Mg) Б АРНА 4500 (NO3-)-9 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hardness (CaCO3) 11 Calckin (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 Nerste (NO3) | | mgA mgA mgA mgA mgA mgA mgA | 0.18 206.9 162.8 41.2 75.4 14.3 1.27 54.1 | 1 200 75 250 30 45 200 | 1.5 600 600 200 1009 100 | APHA 2320-8 APHA 2340 C APHA 3500 (Ca)-8 APHA 3500 (Ca)-8 APHA 4500 (CF)-8 APHA 3500 (Mg) 5 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalenty (CaCO3) 10 Total Hardness (CaCO3) 11 Calcium (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 NFrate (NO3) 15 Sulphate (SO4) | | mgt mgt mgt mgt mgt mgt mgt mgt mgt | 0.18 206.9 162.8 41.2 75.4 14.3 1.27 54.1 <0.01 | 1 200 75 250 30 45 200 0.5 | 1.5 500 600 200 1000 1000 1000 1000 1000 1 0.2 | APHA 2320-8 APHA 2340-C APHA 3500 (Ca)-9 APHA 3500 (Ca)-9 APHA 4500 (CF-)-8 APHA 4500 (Mg) 5 APHA 4500 (NO3-9 APHA 4500 (SO4)-E APHA 4500 (SO4)-E APHA 4500 (SO4)-C APHA 31208 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny (CaCO3) 10 Total Hardness (CaCO3) 11 Calckim (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 Nigrate (MO3) 15 Sulphate (SO4) 16 Beron (B) | | mg1 mg1 mg1 mg1 mg1 mg1 mg1 mg1 mg1 mg1 | 0.18 206.9 162.8 41.2 75.4 14.3 1.27 54.1 | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 | 1.5 500 600 200 100 | АРНА 2320-8 АРНА 2340-С АРНА 3500 (Са)-8 АРНА 3500 (Са)-8 АРНА 4500 (СЕ-)-8 АРНА 4500 (Мg) 5 АРНА 4500 (NO3-5 АРНА 4500 (SO4)-E АРНА 4500 (SO4)-E АРНА 31208 АРНА 31208 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny (CeCO3) 10 Total Hacdnets (CaCO3) 11 Calckim (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 NPrete (MO3) 15 Sulphate (SO4) 16 Beron (B) 17 Aluminum (Al) 18 Argenic (Ac) | | mgt mgt mgt mgt mgt mgt mgt mgt mgt | 0 18 2019 1628 41.2 754 143 1.27 541 <0.01 <0.01 <0.01 <0.01 | 1 200 200 75 250 30 45 200 0.5 0.03 0.01 0.003 | 1.5 600 600 200 1000 1000 1000 No relaxation 400 1 0.2 No relaxation No relaxation | APHA 2320-B APHA 2340.C APHA 3500 (C4)-9 APHA 3500 (C4)-9 APHA 4500 (C1)-7 APHA 4500 (M03)-9 APHA 4500 (M03)-9 APHA 4500 (S04)-E APHA 4500 (S04)-E APHA 3120B APHA 3120B APHA 3120B APHA 3120B |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hatchees (CaCO3) 11 Catchin (Ca) 12 Chioride (CI) 13 Magnesium (Mg) 14 Nirate (MO3) 15 Sudphate (SO4) 16 Beron (B) 17 Aluminaum (Al) 18 Arsenic (As) 19 Cadmum (Cd) | | mgA mgA mgA mgA mgA mgA mgA mgA mgA mgA | 0 18 200 9 162 8 41.2 75 4 14 3 1.27 54 1 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 < 0.01 | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 0.003 0.003 0.05 | 1.5 600 600 200 1000 1000 1000 1000 1000 10 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ)-В АРНА 4500 (МОЗ-9 АРНА 4500 (МОЗ-9 АРНА 4500 (БО4)-Е АРНА 4500 (БО4)-Е АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny, (CeCO3) 10 Total Hatchees, (CaCO3) 11 Calckins(Ca) 12 Chioride (Cl) 13 Magnesium, (Mg) 14 Nizzet (MO3.) 15 Sulphate (SO4) 16 Beron (B) 17 Aluminaum (Al) 18 Argenic (As) 19 Cadmium, (Cd) 20 Chromium, (Cr) | | mg1 | 0 18 2019 1628 41.2 754 143 1.27 541 <0.01 <0.01 <0.01 <0.01 | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.03 0.03 0.003 0.003 0.05 0.05 1 | 1.5 500 600 200 100 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ-)-В АРНА 4500 (МОЗ-9 АРНА 4500 (МОЗ-9 АРНА 4500 (БО-4)-Е АРНА 4500 (БО-4)-Е АРНА 4500 (Б)-С АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny, (CeCO3) 10 Total Hatchees, (CaCO3) 11 Calckins(Ca) 12 Chioride (Ci) 13 Magnesium, (Mg) 14 Nizzet (MO3) 15 Sulphate (SO4) 16 Beron (B) 17 Aluminaum (Al) 18 Argenic (As) 19 Cadmium (Cd) 20 Chromium (Cr) 21 Copper (Cu) 22 Iron (Fe) | | mgA mgA mgA mgA mgA mgA mgA mgA mgA mgA | 0 18 200 9 162 8 41.2 75 4 14.3 1.27 54 1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 < | 1 200 200 75 250 30 45 200 0.5 0.03 0.01 0.003 0.05 0.05 0.05 1 0.01 | 1.5 600 600 200 1000 1000 1000 1000 1000 10 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 3500 (Са)-9 АРНА 4500 (СГ-)-В АРНА 4500 (МОЗ-)-9 АРНА 4500 (МОЗ-)-9 АРНА 4500 (ВО-4)-Е АРНА 4500 (ВО-4)-Е АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В АРНА 3120В |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny, (CaCO3) 10 Total Hardness, (CaCO3) 11 Calckum (Ca) 12 Chloride, (Cl) 13 Magnesium, (Mg) 14 Nitrate (MO3) 15 Sulphate (SO4) 16 Beron (B) 17 Aluminium (A) 18 Arsenic (As) 19 Cadmium, (Cr) 20 Chromium, (Cr) 21 Coppet (Cu) 22 Iron, (Fe) 23 Lead, (Pb) | | mgA mgA mgA mgA mgA mgA mgA mgA mgA mgA | 0 18 200 9 162 6 41.2 75 4 14.3 1.27 54 1 < 0.01 < 0.05 < 0.01 < 0.01 < 0.05 < 0.01 < 0.01 < 0.01 < 0.05 < 0.01 < 0.01 < 0.01 < 0.05 < 0.01 < 0.01 < 0.01 < 0.01 < 0.05 < 0.01 < 0. | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.03 0.03 0.003 0.003 0.05 0.05 1 | 1.5 600 600 200 1000 1000 1000 1000 1000 10 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 3500 (Са)-9 АРНА 4500 (СС-)-В АРНА 4500 (МОЗ9 АРНА 4500 (ВОЗ9 АРНА 4500 (ВО-4)-Е АРНА 4500 (ВО-4)-Е АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 АРНА 31208 |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hardness (CaCO3) 11 Catkum (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 Nerste (MO3) 15 Sukphale (SO4) 16 Beron (B) 17 Aluminium (Al) 18 Arsenic (As) 19 Cadmium (Cd) 20 Chromium (Cr) 21 Copper (Cu) 22 Iron (Fe) 23 Lead (Pb) 24 Marganese (Mn) 25 Merganese (Mn) | | mgA mgA mgA mgA mgA mgA mgA mgA mgA mgA | 0 18 200 9 162 8 41.2 75 4 14.3 1.27 54 1 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 < | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 0.003 0.05 0.05 1 0.01 <u>0.1</u> <u>0.01</u> 0.01 | 1.5 600 600 200 1000 700 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1.5 No relaxation 1.5 No relaxation 0.3 No relaxation | APHA 2320-B APHA 2340-C APHA 3500 (Ca)-9 APHA 3500 (Ca)-9 APHA 4500 (CF)-7 APHA 4500 (NO3-9 APHA 4500 (NO3-9 APHA 4500 (NO3-9 APHA 4500 (NO3-9 APHA 4500 (SO4)-E APHA 4500 (SO4)-E APHA 3120B APHA 3120B APHA 3120B APHA 3120B APHA 3120B APHA-3120B APHA-3120B APHA-3120B APHA-3120B APHA-3120B |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hardness (CaCO3) 11 Calckin (Ca) 12 Chloride (Cl) 13 Magnesium (Mg) 14 Nirste (MO3) 15 Sulphate (SO4) 16 Boton (B) 17 Aurninium (Al) 18 Arsenic (As) 19 Cadmium (Cd) 20 Chromum (Cr) 21 Copper (Cu) 22 Iron (Fe) 23 Lead (Fb) 24 Manganese (Mn) 25 Marcury (Hg) 26 Selenum (Se) | | mgA mgA mgA mgA mgA mgA mgA mgA mgA mgA | 0 18 2019 1628 41.2 754 143 1.27 541 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 | 1 200 200 75 250 30 45 200 0.5 0.03 0.01 0.003 0.05 0.05 1 0.01 0.1 0.01 0.1 5 5 | 1.5 600 600 200 1000 1000 1000 1000 1000 10 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ-)-В АРНА 4500 (Мо)-5 АРНА 4500 (МО)-5 АРНА 4500 (Ю)-С АРНА 4500 (В)-С АРНА 3120В АРНА 3120В |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny, (CaCO3) 10 Total Hatchees, (CaCO3) 11 Catchin (Ca) 12 Chioride (CI) 13 Magnesium, (Mg) 14 Nizzte (MO3) 15 Subplate (SO4) 16 Beron (B) 17 Aluminaum (Al) 18 Argenic (As) 19 Cadmium (Cd) 20 Chromium (Cr) 21 Copper (Cu) 22 Iron, (Fe) 23 Lead (Pb) 24 Magnesee (Mn) 25 Mercury (Hg) 26 Selenum (Se) 27 Zinc (Zn) 28 Anionic Outergent (MBAS) | | mg1 mg2 | $\begin{array}{c} 0.18\\ 2001.9\\ 162.6\\ 41.2\\ 75.4\\ 14.3\\ 1.27\\ 54.1\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.00\\ < 0.01\\ < 0.05\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ < 0.01\\ \end{array}$ | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 0.003 0.05 0.05 1 0.01 <u>0.1</u> <u>0.01</u> 0.01 | 1.5 500 600 200 1000 700 700 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1 0.2 No relaxation No relaxation 1.5 No relaxation 0.3 No relaxation 0.3 No relaxation 15 1 No relaxation 15 1 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ) В АРНА 4500 (МОЗ-9 АРНА 4500 (МОЗ-9 АРНА 4500 (ЮЗ-9 АРНА 4500 (ЮЗ-9 АРНА 4500 (ЮЗ-9 АРНА 4500 (ЮЗ-9 АРНА 3120В АРНА 3120В |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny.(CaCO3) 10 Total Hardness,(CaCO3) 11 Calckim.(Ca) 12 Chloride.(Cl) 13 Magnesium.(Mg) 14 Nitrate (MO3) 15 Sulphate (SO4) 16 Beron.(B) 17 Aluminaum.(Al) 18 Argenic.(As) 19 Cadmium.(Cd) 20 Chromium.(Cf) 21 Copper (Cu) 22 Iron.(Fe) 23 Lead.(Pb) 24 Magnese.(Mn) 25 Meccury.(Hg) 26 Selenum.(Se) 27 Znc.(Zn) 28 Anionic Dutergent.(MEAS) 29 Manora OS | | mgA | 0 18 2019 1628 41.2 754 143 1.27 541 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.01 <0.05 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 <0.00 | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.05 0.03 0.05 0.05 1 0.01 0.1 0.01 0.1 0.01 5 0.2 0.5 0.2 0.5 0.02 0.5 0.001 | 1.5 500 600 200 10000 <td>АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ)-8 АРНА 4500 (СГ)-8 АРНА 4500 (МОЗ-9 АРНА 4500 (МОЗ-9 АРНА 4500 (КОЗ-9 АРНА 31208 АРНА 5540-С ОБ (КЗ 3025 (Раб-39)) АРНА 5530-С</td> | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 4500 (Са)-9 АРНА 4500 (СГ)-8 АРНА 4500 (СГ)-8 АРНА 4500 (МОЗ-9 АРНА 4500 (МОЗ-9 АРНА 4500 (КОЗ-9 АРНА 31208 АРНА 5540-С ОБ (КЗ 3025 (Раб-39)) АРНА 5530-С |
| 6 Turbidity 7 Total Dissolved Solids (TDS) 8 Fluoride (F) 9 Total Alkalinny (CaCO3) 10 Total Hatchees (CaCO3) 11 Calcium (Ca) 12 Chioride (CI) 13 Magnesium (Mg) 14 Nicrate (MC3) 15 Sulphale (SO4) 16 Beron (B) 17 Aluminaum (Al) 18 Argenic (As) 19 Cadmium (Cd) 20 Chromaum (Cr) 21 Copper (Cu) 22 Iron (Fe) 23 Leed (Pb) 24 Magnese (Mn) 25 Mercury (Hg) 26 Selenum (Se) 27 Zinc (Zn) 28 Anionic Dulergent (MBAS) 29 Mineral OS 30 Phenoice Compound (C6H5O | | mgA mgA | $\begin{array}{c} 0.18\\ 2069 \\ 1628\\ 41.2\\ 754\\ 143\\ 1.27\\ 541\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.05\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01\\ <0.01$ | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 0.003 0.05 0.05 1 0.001 0.01 5 0.2 0.5 0.01 Not Specific Shall 00 | 1.5 600 600 200 1000 700 100 100 400 1 0.2 No relaxation No relaxation No relaxation 1.5 No relaxation 1.5 No relaxation No relaxation 1.5 No relaxation No relaxation 1.5 No relaxation 1.5 No relaxation 1.5 No relaxation 0.3 No relaxation 1.5 No relaxation 1.5 No relaxation 0.3 No relaxation 15 1 No relaxation 10002 1 Not Specific be detectable | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 3500 (Са)-9 АРНА 4500 (СС)-1 В АРНА 4500 (МО)-9 АРНА 4500 (МО)-9 АРНА 4500 (ЮО)-9 АРНА 31208 АРНА 31208 |
| 6 Turbidity 7 Total Descrived Solids (TDS) 8 Fluoride (F) 9 Total Alkalinity (CaCO3) 10 Total Hatchness (CaCO3) 11 Catchum (Ca) 12 Chioride (CI) 13 Magnesium (Mg) 14 Nizzet (MO3) 15 Sulphate (SO4) 16 Beton (B) 17 Aluminaum (Al) 18 Argenic (As) 19 Cadmium (Cd) 20 Chromum (Cr) 21 Coppet (Cu) 22 Iread (IPb) 24 Manganese (Mn) 25 Mercury (Hg) 26 Selenum (Se) 27 Zinc (Zn) 28 Anionic Dutergent (MEAS) | | mgl. | 0 18 2019 1628 41.2 754 143 1.27 541 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.01 <0.05 <0.01 <0.05 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 <0.001 | 1 200 200 75 250 30 45 200 0.5 0.03 0.03 0.01 0.003 0.05 0.05 1 0.001 0.01 5 0.2 0.5 0.01 Not Specific Shall 00 | 1.5 500 600 200 100000 1000000 | АРНА 2320-В АРНА 2340-С АРНА 3500 (Са)-9 АРНА 3500 (Са)-9 АРНА 4500 (СГ)-7 АРНА 4500 (СГ)-7 АРНА 4500 (МОЗ-5 АРНА 4500 (КОЗ-5 АРНА 4500 (КОЗ-5 АРНА 3500 (МОЗ-5 АРНА 3500 (КОЗ-5 АРНА 31208 АРНА 31208 |

5. No compliant was be smith and a received anter / days of land of each spirit 4. Our liability is limited to invoice value only. 5. The sample shall be destroyed after 15 days & Blulogical / Perishable sample shall be destroyed impk@htely after issue of test report. 5. The sample shall be destroyed after 15 days & Blulogical / Perishable sample shall be destroyed impk@htely after issue of test report. 6. The sample shall be destroyed after 15 days & Blulogical / Perishable sample shall be destroyed impk@htely after issue of test report. 6. This test report shall be destroyed after 15 days & Blulogical / Perishable sample shall be destroyed impk@htely after issue of the laboratory. 6. This test report shall be destroyed in after in a first of the laboratory.

| | 0001(0014)71272023 S | OLID WAST | <u>e man</u> | AGEMENT C | ELL-HSPCB (Co | omputer No. 10 |
|--------------------------|---|--|-------------------------|----------------------|--------------------------------------|---|
| 51/ 2024/E st | ENVI | RO-7 | ECH | SERV | ICES | 6 |
| ETS-LAB | | (A GOVERNA | | the Healing | lical Laboratoria | W UAF |
| C13-640 | Plot No. 1/32, S.S. | of G.T. Road | induciela Induciela | PROVED LAB) | • | ISO 45001 |
| | Plot No. 1/32, S.S. email : etslab2012@gmail | .com ! Wabs | lie : www.c | I Area, Ghaziabad | d (U.P.) - 201001 | |
| | | | | Your Philos | 11516076, 9811736 | 063 |
| TI | | TE | ST RE | PORT | | <u></u> |
| 1 6 | EST REPORT NO .: | ETS/2023/ | 05/950-17 | | | |
| | SOU | | | | DATE OF REPOR | T: 31.05.2023 |
| Me | | L SAMPL | E ANA | LYSIS REP | 'ORT | |
| 192 | me And Address of Customer | M/s, The Pr District Palv | ompt Ente val. Harya | inprises Pvt Ltd., V | illage Dhalir & Dudh | ola. Tehsil & |
| Da | o of Comercia | | | | | |
| An | le of Sampling Nysis Start Date | 15.05.2023 | | | | |
| Ane | ilysis End Date | 18.05.2023 | | | | |
| San | nple ID No | 22.05.2023 | | | | |
| San | npling Done By | ETS/TP-020 | t | | | |
| San | pling Description | ETS STAFF SOIL | | | | <u> </u> |
| Sam | pling Location | | b _ to | | | |
| 0- | | our Antojec | t site ,(Lat | - 28°12'9.69"N;Lor | 19 77°15'40.39"E) | |
| Sam Sam | pling Method | ETS/STP/SO | | | | |
| Sein Park | ple Quantity | 2.0 kg. | IL-10 } | | | - |
| Fack | ing Condition | SEALED | | | | |
| | | ZIP POLY BA | G | | | - |
| S. No | Tost Paramete | ······ | T | | | · |
| ļ <u>1</u> | Texture | • | Unit | Result | Test Method | |
| 2 | Sin | | 86 | SANDY CLAY LOAN | M IS 2720 (Part-4) | |
| 4 | Clay | | % | 52.7 | (IS 2720 (Pert-4) | |
| 6 | Electrical Conductivity (EC) | ······································ | % | 27.4 | IS 2720 (Part-4) IS 2720 (Part-4) | 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 - 144 |
| 6 | IDH | head water | µs/cm | 19,7 | IS 14767 | |
| 7 | Bulk Density Water Holding Capacity (WHC) | ····· | g/cm3 | 7.22 | IS 2720 (Part-26) | \sim |
| 9 | Sodium,(Na) | | % | 17.2 | IS 2386 (Part-4) | ~ |
| 10 | Potassium (K) | | rog/kg | 79,8 | IS 2720 (Part-2) USEPA-3050A | |
| 11 | Total Nilrogen (N) Chiloride.(Cl) | | mg/kg mg/kg | 160.5 | USEPA-3050A | |
| | Magnesium, (Mg) | | mg/kg | 4.33 | ETS/STP/SOIL-15 | |
| 14 | Organic Matter, (OM) | | mg/kg | 108.3 | BS 1377 -3 ETS/STP/SOIL-08 | - |
| 15 | Aluminium,(Al) | | % | 0.65 | IS 2720 (Part-22) | |
| 16 | Cædmium,(Cd) Chromium,(Cr) | | mg/kg mg/kg | <u>0.36</u> 0.45 | USEPA-3050A | - |
| 18 | Copper, (Cu) | | mg/kg | 0.29 | USEPA-3050A | |
| 19 | kon.(Fe) | | mg/kg | 1,44 | USEPA-3050A | ~ |
| | Lead, (Ph) | | mg/kg | 126.4 | USEPA-3050A | |
| | Manganese (Mn) Zinc, (Zn) | | mg/kg mg/kg | | USEPA-3050A | - |
| F | Linc, (2.11) Nickel, (Ni) | | mg/kg | | USEPA-3050A USEPA-3050A | |
| 24 (| Calcium,(Ca) | | mg/kg | 73.6 | USEPA-3050A | · |
| 25 1 | Phosphanus (PO4) | | mg/kg mg/kg | 202.2 | S 2720 (Pail-23) | |
| | | ······································ | | 37.5 | ETS/STP/SOIL-19 | |



Notes-CHECKED BY 1. Test reports without ETS I AB HOLOGRAM are not issued by our laboratory. 2. The result indicated only refer to the tested samples and listed applicable parameters. 3. No compared will be discrimined if received after 7 days of issue of test report. 4. Our liability is limited to havoice value only. 5. The result is discretioned after 15 days & Biological / Peristually small be de-5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after Is4830 (est report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH SERVICES

***** End of Test Report*****



| Ño. | HSPCE | 3-0 <u>6000</u> | 01(0014)/12/2023-SO | LID WASTE | -MANA(| SEMENT CELL | -HSPCB (Co | mputer No.∎1045 |
|------------|----------|--|---|--|---------------------------------|---|--------------------|-----------------|
| | 55172024 | 7Estt.B | ENVIRÓ | | | An Analytical Labo | S D | ISO 45001 |
| 1 - | | | (A GO | VERNMENT A | PPROVE | Director Otherstates and (11 Director) | 201001 | |
| | TS-LAB | | Plot No. 1/32, S.S. of G. ail : etslab2012@gmail.com | T. Road Industr 1 Website : www | ial Area. w.etslab.in | Ghaziabad (U.F.) | 6, 9811736063 | |
| L | | eme | AN : POIDDO DE GAMMAN | | | | | |
| 1 | SCIN. | | | TEST F | (EPU) | | | |
| r (| | TEST RE | | ETS/2023/05/950 | -18 | DATE | OF REPORT: 3 | 1,05.2023 |
| L | | | | | NALYS | | Г | |
| | | | 3012 0 | | | | Nutholo | Toheil 8 |
| | | Name Ar | nd Address of Customer : | W/s, The Prompt District Palwal, H | Enterprise aryana | es Pvt Ltd , Village (| Jnatir & Duchoiz, | |
| | | Analysis Analysis Sample Samplin Samplin Samplin Samplir Sample | Start Date End Date ID No Ig Done By | 77*17'13.80"E) ETS/STP/SOIL- 2.0 kg. SEALED | 01 | Skill University.(Lat. | - 28°11'55.53''N:L | ong |
| L | | Packed | | ZIP POLY BAG | | | | |
| L | | | Test Paramete | | Unit | Result | Test Method | |
| - | | S. No. | Texture | | | SANDY CLAY LOAM | IS 2720 (Part-4) | |
| ţ. | | 1 | Sand | | % | 54.8 | IS 2720 (Part-4) | |
| L. | | | Silt | ······ | % | 18.5 | IS 2720 (Part-4) | |
| ŀ | | | Clay | <u> </u> | % | 26.7 | IS 2720 (Part-4) | |
| I . | | ······ | Electrical Contructivity (EC) | | us/cm | 21.3 | 15 14767 | |
| 2 | | 5 | | ×× | | 7.27 | IS 2720 (Part-26) | |
| | | 6 | pH Bulk Density | | g/cm3 | 1.11 | IS 2386 (Pan-4) | |
| . –. | | 7 | Water Holding Capacity (WHC) | ······································ | 9%). | 14.8 | IS 2720 (Part-2) | |
| 1 | | 8 | Sodium,(Na) | | mg/kg | 77.2 | USEPA-3050A | i |
| I, | | 10 | Polassium (K.) | | mg/kg | 157.2 | USEPA-3050A | |
| | | 10 | Total Nitrogen (N) | | mg/kg | 5.82 | ETS/STP/SOIL-15 | i |
| L | | 12 | Chloride.(Cl) | | mg/kg | 210.8 | BS 1377 -3 | i i |
| | | 13 | Magnesium.(Mg) | | mg/kg_ | 80.0 | ETS/STP/SOIL-08 | l ! |
| | | 14 | Organic Matter (OM) | | % | 0.80 | IS 2720 (Part-22) | |

STECK FOR ENVIRO- TECH SERVICES (a

Aluminium,(Al)

Cedmium.(Cd)

Chromium.(Cr)

Manganese.(Mn)

Copper.(Cu)

Iron,(Fe)

Lead,(Pb)

Zinc (Zn)

Nickel (Ni)

Calcium,(Ca)

Phosphorus (PO4)

14

15

16

17

18

19

20

21

22

23

24

25

For ENVIRO-TECHISEEVICES

******End of Test Report*****

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

(IS 2720 (Part-23)

ETS/STP/SOIL-19

0.40

0,49

0.33

1.56

144.0

0.31

2.11

1.69

81.4

239.9

51,8

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg∕kg

mg/kg

mg/kg

AUTHORIZED SILILAFORY Quality Manager

Note:- CAECHED BY

2. The results had chief buy refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

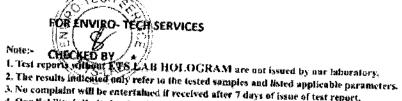
4. Our liability is limited to invoice value only.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior 43then permission of the laboratory.

5. The sample shall be destroyed after 15 days & Binlogical / Perishable sample shall be destroyed immediately after issue of text report,

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | *** | ENV | A GOVERN | ECH . | An Analytic | CES @ | ISO 450 |
|--------|----------------------------|--|--|---------------------------------|----------------------|--------------------------------------|-----------|
| ETS-LA | 3 | Plot No. 1/32, | S.S. of G.T. Road | Industrial Ar | ea, Ghaziabad | (U.P.) - 201001 | |
| -972 - | | email: etslab2012@g | mail.com (Web | site www.cisia | ibun Ph.: 991 | 1516076, 9811736063 | |
| Sen C | | | TF | EST REP | ORT | | |
| | TEST | REPORT NO .: | | 3/05/950-19 | UNI | | |
| | | | | | | DATE OF REPORT: 3 | 1.05.2023 |
| | | S | OIL SAMP | LE ANAL | YSIS REP | ORT | |
| | Name | And Address of Cust | * - | Prompt Enterp alwal, Haryana | rises Pvt Ltd., Vi | llage Dhatir & Dudhola, | Tehsil & |
| | Date | of Sampling | 15.05.202 | 7 1 | | | |
| | | sis Start Date | 18.05.202 | | | | |
| | | sis End Date | 22.05.202 | | | | |
| | Samp | le ID No | ETS/TP-0 | | | | |
| | | ling Done By | ETS STA | | | | |
| | | ling Description | SOIL | | | | |
| | Samp | ling Location | SQ- 3;B N 77°15'56.; | / Model Schoo 84"E) | Duchola, Palwa | nl.(Lat 28°12'32.17*N;L | ong,- |
| | Samp | ling Method | ETS/STP/ | | | | |
| | | le Quantity | 2.0 kg. | | | | |
| | | ng Condition | SEALED | | | | |
| | Packe | đ in | ZIP POLY | BAG | | | |
| 140 mm | S. No. | | mameter | Unit | Result | Test Method | |
| Į. | 12 | Texture | | | SANDY CLAY LO | AM IS 2720 (Part-4) | |
| | 3 | Sill | | <u> </u> | 51.2 | IS 2720 (Part-4) | |
| L | 4 | Clay | | % | 22.8 | 1S 2720 (Part-4) | |
| | 5 | Electrical Conductivity (EC | <u>}</u> | us/cm | 20,7 | IS 2720 (Part-4) IS 14767 | |
| Ļ | | pH | | | 7 20 | 15 2720 (Pari-26) | |
| ļ. | 7 | Bulk Density | | g/cm3 | 1.08 | IS 2386 (Part-4) | |
| ŀ | <u>8</u> 9 | Water Holding Capacity (V Sodium (Na) | VHC) | % | 15.5 | IS 2720 (Part-2) | |
| r | ALCONTRACTOR OF THE OWNER. | Polassium (K.) | | mg/kg | 78.6 | USEPA-3050A | |
| ŀ | 11 | Total Nitrogen (N) | | ៣៨/៥០ | 148 5 | USEPA-3050A | |
| - | | Chloride,(CI) | | mg/kg | 2.88 | ETS/STP/SOIL-15 | |
| Ľ | | Magnesium,(Mg) | · · · · · · · · · · · · · · · · · · · | mg/kg mg/kg | <u>259.2</u> 73.4 | BS 1377 -3 | |
| \$ | | Orgenic Matter (OM) | | | 0.58 | ETS/STP/SOIL-08 IS 2720 (Part-22) | |
| - | | Aluminium,(Al) | | (ng/kg | 0.37 | USEPA-3050A | |
| | | Cedmium, (Cd) Chromium, (Cr) | | mg/kg | 0,45 | USEPA-3050A | |
| | | Copper,(Cu) | | mg/kg | 0.31 | USEPA-3050A | |
| Ĺ | | iron,(Fe) | 00.000.000.000.000.000.000.000.000.000 | n\q/kg | 1.65 | USEPA-3050A | |
| | | Lead,(Pb) | | mg/kg | 138.5 | USEPA-3050A | |
| L | | Малganese,(Mn) | | mg/kg | 0.36 | USEPA-3050A | |
| | | Zinc (Zn) | · · · · · · · · · · · · · · · · | mg/kg mg/kg | 1.30 | USEPA-3050A | |
| į | | Nickel, (Ni) | ······································ | mg/kg | 102.2 | USEPA-3050A | |
| 2 | - 2 A (1 | Calcium.(Ca) | | | | USEPA-3050A | |
| ļ. | | hosphonus (PO4) | | mg/kg | 158.4 | IS 2720 (Part-23) | |



For ENVIRO-TECH SERVICES

AUTHORIZED MERATORY Quality Manager

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishabic sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the caurt of Law without prior written permission of the laboratory.

ENVIRO-TECH SERVICES



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com { Website: www.etslab.in ; Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO .:

ETS/2023/05/950-20

DATE OF REPORT: 31.05.2023

SOIL SAMPLE ANALYSIS REPORT

Name And Address of Customer :

M/s, The Prompt Enterprises Pvt Ltd , Village Dhalir & Dudhola, Tehsil & District Palwal, Haryana

Date of Sampling Analysis Start Date Analysis End Date Sample ID No Sampling Done By Sampling Description Sampling Location

Sampling Method

Sample Quantity Packing Condition

Packed In

15.05.2023 18.05.2023 22.05.2023 ETS/TP-0204 ETS STAFF SOIL SQ- 4:B P Mushrom Farm, Dhalir,(Lat- 28°12'22.87"N;Long.-77°14'56.03"E) ETS/STP/SOIL-01 2.0 kg. SEALED ZIP POLY BAG

| S. No. | Test Parameter | Unit | Result | Test Method |
|--------|------------------------------|---------------------------------------|-----------------|-------------------|
| 1 | Texture | · · · · · · · · · · · · · · · · · · · | SANDY CLAY LOAM | IS 2720 (Part-4) |
| 2 | Sand | % | 51.1 | IS 2720 (Part-4) |
| 3 | Sin | % | 25.1 | IS 2720 (Part-4) |
| 4 | Clay | ₩. | 23.8 | IS 2720 (Part-4) |
| 5 | Electrical Conductivity (EC) | µs/cm | 22.7 | IS 14787 |
| 6 | | ···· | 7.25 | 1S 2720 (Pari-26) |
| 7 | Bulk Density | j g/cm3 | 1,20 | IS 2386 (Part-4) |
| 8 | Water Holding Capacity (WHC) | <u>М</u> . | 14.0 | (S 2720 (Part-2) |
| 9 | Sodium,(Na) | mg/kg | 81.9 | USEPA-3050A |
| 10 | Potassium (K) | mg/kg | 168.2 | USEPA-3050A |
| 11 | Total Nitrogen (N) | mg/kp | 4.35 | ETS/STP/SOIL 1 |
| 12 | Chloride,(Cl) | mg/kg | 348 0 | 85 1377 -3 |
| 13 | Magnesium.(Mg) | rng/kg | 74,7 | ETS/STP/SOIL-08 |
| 14 | Organic Matter (OM) | % | 0.51 | IS 2720 (Part-22) |
| 15 | Aluminium (Al) | mg/kg | 0.38 | USEPA-3050A |
| 16 | Cadmium.(Cd) | mg/kg | 0.46 | USEPA-3050A |
| 17 | Chromium,(Cr) | mg/kg | 0.51 | USEPA-3050A |
| 18 | Copper (Cu) | mg/kg | 1.47 | USEPA-3050A |
| 19 | Iron.(Fe) | j mg/kg | 128.9 | USEPA-3050A |
| 20 | Lead.(Pb) | mg/kg | 0.53 | USEPA-3050A |
| 21 | Manganose. (Mn) | mg/kg | 1.52 | USEPA-3050A |
| 22 | Zinc.(Zn) | mg/kg | 1 74 | USEPA-3050A |
| 23 | Nickel, (Ni) | mg/kg | 110.2 | USEPA-3050A |
| 24 | Calcium,(Ca) | mg/kg | 217.5 | IS 2720 (Part-23) |
| 25 | Phosphorus (PO4) | rng/kg | 46.6 | ETS/STP/SOIL-19 |



FOR ENVIRO- TECH SERVICES

Notes- CHECKED BY *

I. Test reports Willput ETS LAB HOLOGRAM are not issued by our laboratury.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after as the period of the report. Generated in the second states of the second of the laboratory.

*****End of Test Report*****

For ENVIROLTECH SERVICES



| - FA | | ENVIR | O-TECH | SEI | RVIC | ES G |) Car |
|--------|-------------|-------------------------------|--|--|----------------------|--------------------------------------|-------------|
| 儞 | | | • • • • • • • | | Analytical L | | ISO 450 |
| | | • | GOVERNMENT APP | | • | | |
| ETS-LA | | | G.T. Road Industrial | | | | |
| ~~~~ | í. | email : etslab2012@gmail.co | m Website : www.et | stablin i | Ph.: 991151 | 6076, 9 811736 053 | |
| 5-6 | | | TEST RE | PORT | | | |
| 动起去 | TEST | REPORT NO.: | ETS/2023/05/950-21 | | | TE OF REPORT: | 31 05 2023 |
| | 1201 | | | | | | 01.00.2020 |
| | | 201L | SAMPLE ANA | | | | |
| | Name | And Address of Customer : | M/s, The Prompt Ente District Palwal, Harya | | rt Ltd , Villagi | e Dhatir & Dudhola | a, Tehsil & |
| | | | | | | | |
| | | f Sampling | 15.05.2023 18.05.2023 | | | | |
| | - | is Start Date is End Date | 22.05.2023 | | | | |
| | - | e ID No | ETS/TP-0205 | | | | |
| | | ing Done By | ETS/TF-0205 | | | | |
| | | ing Description | SOIL | | | | |
| | • | ing Location | SQ- 5;Shiv Ram Man | dir,(Lat- 2 | 8*13'22.72") | N;Long 77°14'57.: | 25"E) |
| | | | | | | - | · |
| | - | ing Method | ETS/STP/SOIL-01 | | | | |
| | - | e Quantity | 2.0 kg. | | | | |
| | | g Condition | SEALED | | | | |
| | Packe | a in | ZIP POLY BAG | | | | |
| | S. No. | Test Paramete | er Uni | | Result | Test Method | |
| | 1 | Texture | ···· | SAND | | IS 2720 (Part-4) | |
| | 2 | Sand Silt | % | | 53.8 | IS 2720 (Part-4) | |
| | 3 | Clay | <u> </u> | | 22.0 | IS 2720 (Part-4) IS 2720 (Part-4) | |
| | 5 | Electrical Conductivity (EC) | μ5/0 | n | 23.3 | IS 14767 | |
| | 6 | рН | | | 7.21 | IS 2720 (Part-26) | |
| | 7 | Bulk Density | g/cm | 3 | 1.03 | IS 2386 (Part-4) | |
| | 8 | Water Holding Capacity (WHC) | | | 13.2 | IS 2720 (Pait-2) | |
| | 9 | Sodium,(Na) Potassium (K.) | mg/i | | 82,6 | USEPA-3050A | |
| | 10 | Totat Nitrogen (N) | mg/l | | <u>169.1</u> 3.61 | USEPA-3050A ETS/STP/SOIL-15 | |
| | 12 | Chloride.(Cl) | mg/i mg/i | | 281.2 | BS 1377 -3 | |
| | 13 | Magnesium (Mg) | mg/k | · · · · · · · · · · · · · · · · · · · | 86.5 | ETS/STP/SOIL-06 | |
| | 14 | Organic Matter.(OM) | | X . | 0,60 | IS 2720 (Part-22) | |
| | 15 | Aluminium,(Al) | fug/t | Q | 0,39 | USEPA-3050A | |
| | 16 | Cadmium, (Cd) | mg/ł | | 0.45 | USEPA-3050A | |
| | 17 | Chromium (Cr) | mg/k | | 0.30 | USEPA-3050A | |
| | 18 | Copper,(Cu) | mg/k | a construction of the second sec | 1.50 | USEPA-3050A | |
| | 19 20 | Iron (Fe) Lead (Pb) | | | 131.4 | USEPA-3050A | |
| | 21 | Manganese.(Mn) | ៣g/រ ៣g/រ | ······································ | 0.34 1.30 | USEPA-3050A USEPA-3050A | |
| | | | | | 1.88 | USEPA-3050A | |
| | 22 | LIAC,(ZA) | 17307/k | 0. 1 | 1.00 | | |
| | 22 23 | Zinc,(Zn) Nickel,(Ni) | mg/k mg/k | | 73.5 | USEPA-3050A | |

TECH FOR ENVIRO TECH SERVICES

Ger

Note:- CHICKED BY *

2. The results indicated only refer to the tested samples and listed applicable parameters.

J. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

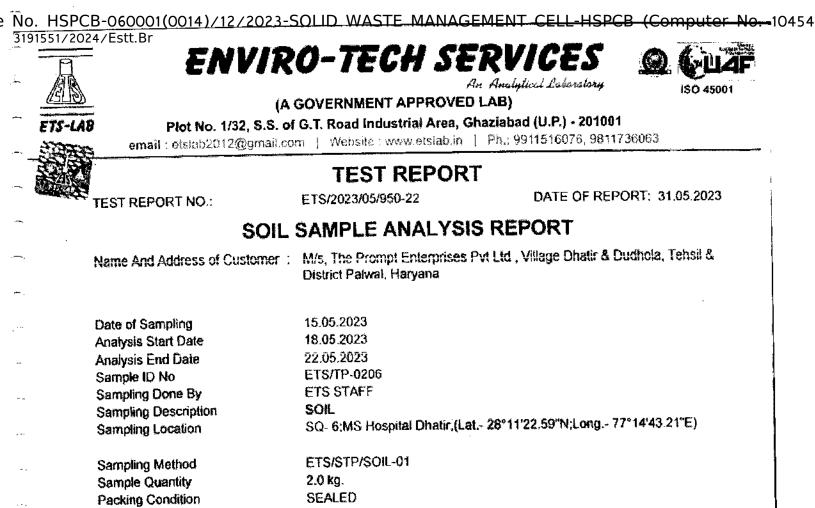
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immedia pafter issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH SERVICES

AUTHORIZED SHANAYORY Quanty Manager

End of Test Report



ZIP POLY BAG Packed In Test Method Unit Result **Test Parameter** S. No. SANDY CLAY LOAM IS 2720 (Part-4) Texture 1 IS 2720 (Part-4) 44 51.1 2 Sand IS 2720 (Part-4) % 25.8 Sill 3 IS 2720 (Part-4) % 23.0 Clay 4 IS 14767 21.3 us/cm Electrical Conductivity (EC) 6 IS 2720 (Part-26) 7.26 pH 6 IS 2386 (Part-4) g/cm3 1.19 Bulk Density 7 1S 2720 (Part-2) Water Holding Capacity (WHC) 21.3 96 8 USEPA-3050A mg/kg 69.3 Sodium,(Na) 9 USEPA-3050A 190.9 mg/kg Polassium (K) 10 ETS/STP/SOIL-15 5.81 mg/kg Total Nitrogen (N) 11 BS 1377 -3 225.1 mg/kg Chloride.(Cl) 12 ETS/STP/SOIL-08 89.3 mg/kg Magnesium (Mg) 13 15 2720 (Part-22) 0.67 Organic Matter (OM) 46 14 USEPA-3050A 0.42 mg/kg Aluminium, (AI) 15 USEPA-3050A 0.49 mg/kg Cadmium (Cd) 16 USEPA-3050A 0,34 mg#kg Chromium,(Cr) 17 USEPA-3050A 1.62 mg/kg Copper.(Cu) 18 USEPA-3050A 149.8 mg/kg Iron.(Fe) 19 0.37 USEPA-3050A mg/kg Lead.(Pb) 20 USEPA-3050A 1.52 mg/kg Manganese.(Mn) 21 USEPA-3050A 1.73 mg/kg Zinc.(Zn) 22 USEPA-3050A 95.8 mg/kg Nickel, (Ni) 23 IS 2720 (Part-23) 217.8 mg/kg Calcium.(Ca) 24 ETS/STP/SOIL-19 64.8 mg/kg Phosphorus (PO4) 25



Notek "CHECKED BY"

2. The requirements only refer to the tested samples and listed applicable parameters,

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only. 5. The sample that be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately 480 issue of test report.

Generated This test officer bis BARUPESINGIN ENTROY erform mellene, a series of the court of Law without prior written permission of the laboratory.

For ENVIRO-TECH SERVICES

*****End of Test Report*****

HIMRA AUTHORIZED SIGNATORY

| | | L(0014)/12/2023-SOL | ID WASTE | MANAG | EMENT CELL- | HSPCB (Com | puter No. | | |
|-----------|------------|------------------------------|--|--------------------------|---------------------------|--|-------------|--|--|
| 1/2024/Es | | | | | SERVIC An Analytical | | 2 (ju) | | |
| ETS-LA | | | GOVERNMEN | | | | | | |
| 219-MH | Þ | Plot No. 1/32, S.S. o | of G.T. Road Inc | lustrial A | rea, Ghaziabad (U. | .P.) - 201001 | | | |
| - FEFE | \$ <u></u> | email: etsiab2012@gmail.c | om Website | . www.etaia | ablin Ph.: 99115 | 16076, 9811736063 | š | | |
| ST | | | TEST | FREP | ΛΡΤ | ······································ | • | | |
| | **** | ********************* | | | | | | | |
| | 1E51 | REPORT NO .: | ETS/2023/05/ | 950-23 | DA | TE OF REPORT: | 31.05.2023 | | |
| | | SOIL | | ΔΝΔΕ | YSIS REPO | | | | |
| | | | | | | | | | |
| | Name | And Address of Customer : | M/s, The Pron District Palwa | npt Enterp I, Haryana | rises Pvt Ltd , Villag | e Dhatir & Dudhola | ı, Tehsil & | | |
| | | of Sampling | 15.05.2023 | | | | | | |
| | Analys | sis Start Date | 18.05.2023 | | | | | | |
| | | sis End Date | 22.05,2023 | | | | | | |
| | • | le ID No | ETS/TP-0207 ETS STAFF | | | | | | |
| | | ling Done By | | | | | | | |
| | | ing Description | SOIL | SOIL | | | | | |
| | Sampl | ling Location | SQ- 7;Bharat Public School, Dudhola.(Lat 28°11'39.89"N:Long 77°16'37.86"E) ETS/STP/SOIL-01 | | | | | | |
| | | ing Method | | | | | | | |
| | | e Quantity | 2.0 kg. | - | | | | | |
| | | g Condition | SEALED | | | | | | |
| | Packer | d In | ZIP POLY BAC | 3 | | | | | |
| 1 | S. No. | Test Paramet | <u>۹</u> ۲ | Unit | Den H | · · · · · · · · · · · · · · · · · · · | | | |
| ŕ | 1 | Texture | | | Result SANDY CLAY LOAM | Test Method | | | |
| 1 | 2 | Sand | | 95 | 56.4 | 15 2720 (Part-4) | | | |
| ł | 3 | Sitt | ······································ | % | 17.7 | 15 2720 (Part-4) | | | |
| 1 | 4 | Clay | | % | 25.9 | IS 2720 (Part-4) | | | |
| ţ | | Electrical Conductivity (EC) | | µs/cm | 24.3 | IS 14767 | | | |
| į | - | Н | | | 7.29 | IS 2720 (Part-26) | | | |
| | | Bulk Density | | g/cm3 | 1.17 | IS 2386 (Part-4) | | | |
| | | Water Holding Capacity (WHC) | ······ | % | 19.2 | 15 2720 (Part-2) | | | |
|) | 3 ··· | Sodium (Na) | | mg/kg | 84.0 | USEPA-3050A | | | |
| , | 10 | Polassium (K) | | maters | 160.7 | LIDERA AACAL | | | |

mg/kg

mg/kg

mg/kg

mg/kg

%

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

mg/kg

ារច្នៃ/ស្នែ

mg/kg

mg/kg

mg/kg

152.7

5,10

357.2

84.6

0.71

0.33

0,44

0.32

1.71

141.9

0.38

1,53

1.99

93.5

218.7

49.7

USEPA-3050A

BS 1377 -3

ETS/STP/SOIL-15

ETS/STP/SOIL-08

IS 2720 (Part-22)

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

USEPA-3050A

IS 2720 (Part-23)

ETS/STP/SOIL-19



Polassium (K)

Chloride (CI)

Total Nitrogen (N)

Magnesium, (Mg)

Aluminium,(Al)

Cadmium,(Cd)

Chromium, (Cr)

Manganese,(Mn)

Phosphorus (PO4)

Copper_(Cu)

(Iron,(Fe)

Lead, (Pb)

Zinc,(Zn)

Nickel, (Ni)

Calcium.(Ca)

Organic Matter (OM)

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

*****End of Test Report***** For ENVIRO-TECH SERVICES

Note:- CHECKED BY

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishalile sample shall be destroyed immediatel A Der issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory, erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

HALARAJ AUTHORFETASIGNATOBY

| o. HSPC 91551/202 | | 001(0014)/12/2023-5 | OLID WASTE | MANAGE | MENT CELL-HSPCB | (Computer No. |
|----------------------|---------------------------------------|---------------------------|--|-----------------------------------|--|----------------|
| ETS-LAB | - | ENVIRO | OVERNMENT AF | A≁ PPROVED L≀ ial Area, Gha | Analytwal Laboratory AB) iziabad (U.P.) - 201001 | 6063 |
| | · · · · · · · · · · · · · · · · · · · | REPORT NO.: ETS/2023/05 | TEST R | | DATE OF REPORT: | |
| | | NO | SE MONITO | RING RE | PORT | |
| | Name A | And Address of Customer | : M/s, The Prompt & District Palwal | t Enterprises f I, Haryana | Pyt Ltd , Village Dhatir & D | udhola, Tehsil |
| | Date of | Monitoring | 25.05.2023 | | | |
| | Monitor | ring Start Date | 25.05,2023 | | | |
| | Monitor | ring End Date | 26.05.2023 | | | |
| | Duratic | on Of Monitoring | 24 HOURS | | | |
| | Sample | e ID No | ETS/ТР-0193 | | | |
| | Monito | ring Done By | ETS STAFF | | | A SHE |
| | Sampli | ing Location | : NQ-1;Project si | ite .(Lat 28*1 | 12'9.69"N;Long 77°15'40.3 | 39"E) |
| • | • | ing Method ory Of Area | ETS/STP/NOIS | | | |
| | | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| . . | 1 | Day Time Noise Level | Leq :dB (A) | 64.3 | 75 | IS: 9989 |
| | 2 | Night Time Noise Level | Leq :dB (A) | 55.6 | 70 | IS: 9989 |
| | ÷ = | 1 - | and a subserver of the second se | | | |

Remark: Day time is reckoned in between 06,00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

11 FOR ENVIRO-TECH SERVICES

l

L

Notes- CHECKED BY * 1. Test reports reference TS LAB HOLOGRAM are not issued by our inhorators.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be extertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately 440 issue of test report.

Generated his is some shall and in the advertising media of as reidence in the court of Law without prior written permission of the laboratory.

For ENVIROATECH SERVICES



| An Analytical Colonatory An Analytical Colonatory An Analytical Colonatory (A GOVERNMENT APPROVED LAB) FTS-LAB FTS-LAB FTS-LAB FTS-LAB Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email : etsiab2012@gmail.com Website : www.etsiab.in Ph.: 9911516076, 9811736003 TEST REPORT TEST REPORT NO: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 NOISE MONITORING REPORT Name And Address of Customer : M/s. The Prompt Enterprises Pvt Ltd , Villege Dhatir & Dudhola. Tehsil & District Palwai, Haryana Date of Monitoring 25.05.2023 Monitoring Start Date 26.05.2023 Monitoring End Date 26.05.2023 Duration Of Monitoring 24 HOURS Sampling Location : NO-2, Sha Vishwakarma Skill University, (Lat 28°11'55.53'N, Long 7''17'13.80'E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | No. <u>HSPCB-060001</u> | (0014)/12/2023-SOLIC | <u>) WASTE MA</u> | NAGEME | NT CELL-HSPCB (C | Computer No. 1045 |
|--|-------------------------------|------------------------------|---------------------------------------|-------------------------------|--|-------------------|
| Image: Construct State | 3191551/ <u>2024/Es</u> tt.Br | | | | | |
| Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email : etslab2012@gmail.com Website : www.etslab.in Ph.: 9911516076; 9811738063 TEST REPORT TEST REPORT NO.: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 NOISE MONITORING REPORT NAME And Address of Customer M/s. The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola. Tehsil & District Patwal, Haryana Date of Monitoring 25.05.2023 Monitoring Start Date 25.05.2023 Monitoring End Date 26.05.2023 Duration Of Monitoring 24 HOURS Sampling Location : NQ-2;Shn Vishwakarma Skill University, (Lat 28°11'55.53''N, Long 77°17'13.80°E) Sampling Method : ETS/STP/NOISE_01 Category Of Area : SilLENCE AREA | | | | A. | n Analytical Laborstory | 9 6014F |
| Instruct 102, 93.0 of CL1. Koda Influential Area, Ghaziabad (0.P.) - 201001 email : etslab2012@gmail.com Website : www.etslab.in Ph.: 9911516076, 9811736003 TEST REPORT NO:: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 NOISE MONITORING REPORT: Name And Address of Customer Mame And Address of Customer M/s. The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola. Tehsil Date of Monitoring 25.05.2023 Monitoring End Date 26.05.2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2/Shn Vishwakarma Skill University, (Lat 28°11'55.53'N, Long 77'17'13.80'E) Sampling Method ETS/STP/NOISE-001 Category Of Area SilleNCE AREA | ETS-LAB | | | | | |
| TEST REPORT NO:: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 MOISE MONITORING REPORT Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Villege Dhatir & Dudhola. Tehsil & District Palwal, Haryana Date of Monitoring 25.05.2023 Monitoring Start Date 26.05.2023 Monitoring End Date 26.05.2023 Duration Of Monitoring 24 HOURS Sampling Location NO-2;Shn Vishwakarma Skill University,(Lat 28°11'55.53'N,Long 77°17'13.80'E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | | email : etsiab2012@omail.com | s. I. Koad Indus I. J. Mahaka Duu | mai Area, Gi watelobia | naziabad (U.P.) - 201001 | · · · |
| TEST REPORT NO.: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 NOISE MONITORING REPORT Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola. Tehsil & District Palwal, Haryana Date of Monitoring 25.05.2023 Monitoring Start Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location : NQ-2;Shri Vishwakarma Skill University,(Lat 28°11'55.53'N,Long 77°17'13.80'E) Sampling Method : ETS/STP/NOISE-01 Category Of Area : SILENCE AREA | | | · · · · · · · · · · · · · · · · · · · | webab.m | FIL: 99 113 10070, 98 117; | 地位は |
| TEST REPORT NO.: ETS/2023/05/950-10 DATE OF REPORT: 31.05.2023 NOISE MONITORING REPORT Name And Address of Customer M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola. Tehsil & District Palwal, Haryana Date of Monitoring 25.05.2023 Monitoring Start Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location : NQ-2;Shri Vishwakarma Skill University,(Lat 28°11'55.53'N,Long 77°17'13.80'E) Sampling Method : ETS/STP/NOISE-01 Category Of Area : SILENCE AREA | | | TEST F | REPORT | • | |
| Name And Address of Gustomer M/s. The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola. Tehsil Date of Monitoring 25.05.2023 Monitoring Start Date 25.05.2023 Monitoring End Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Location NQ-2;Shri Vishwakarma Skill University,(Lat 28°11'55.53'N;Long 77*17'13.80'E) Sampling Method Sampling Method ETS/STP/NOISE-01 Category Of Area SiLENCE AREA | TEST | REPORT NO.: ETS/2023/05/ | | | | 31.05.2023 |
| Bate of Monitoring 25.05.2023 Monitoring Start Date 25.05.2023 Monitoring End Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2;Shi Vishwakarma Skill University,(Lat 28°11'55.53''N;Long 77°17'13.80'E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | | NOI | SE MONITO | DRING R | EPORT | - |
| Monitoring Start Date 25.05.2023 Monitoring End Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2;Shri Vishwakarma Skill University,(Lat 28°11'55.53''N;Long 77°17'13.80''E) Sampling Method Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Name | And Address of Customer | : M/s, The Prom & District Palw | pt Enterprises al. Haryana | Pvt Ltd , Village Dhatir & | Dudhola, Tehsil |
| Monitoring End Date 26.05 2023 Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2;Shri Vishwakarma Skill University,(Lat.+ 28°11'55.53'N;Long 77°17'13.80''E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Date d | of Monitoring | 25.05.2023 | | | ~ |
| Duration Of Monitoring 24 HOURS Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2;Shri Vishwakarma Skill University,(Lat 28°11'55.53'N;Long 77°17'13.80'E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Monite | oring Start Date | 25.05.2023 | | | |
| Sample ID No ETS/TP-0194 Monitoring Done By ETS STAFF Sampling Location NQ-2;Shi Vishwakarma Skill University,(Lat 28°11'55.53'N;Long Sampling Method ETS/STP/NOISE-01 Category Of Area SiLENCE AREA | Monito | oring End Date | 26.05 2023 | | | · |
| Monitoring Done By ETS STAFF Sampling Location NQ-2;Sbn Vishwakarma Skill University,(Lat 28°11'55.53'N;Long 77°17'13.80''E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Durati | on Of Monitoring | 24 HOURS | | | |
| Sampling Location NQ-2;Sbn Vishwakarma Skill University,(Lat 28°11'55.53'N;Long 77°17'13:80''E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Sampl | e ID No | ETS/TP-0194 | | | |
| 77°17'13.80'E) Sampling Method ETS/STP/NOISE-01 Category Of Area SILENCE AREA | Monito | aring Done By | ETS STAFF | | | _ |
| Sampling Method : ETS/STP/NOISE-01 Category Of Area : SILENCE AREA | Sampl | ing Location ; | NQ-2;Sha Vish 77*17*13 80*E) | wakarma Skil | University,(Lat 28°11'55 | .53'N;Long |
| Category Of Area : SILENCE AREA | | | | | | · |
| S. No. Test Parameter | Calego | ory Of Area : | | | | |
| (as Per CPCB): Leg dB(A) | S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| 1 Day Time Noise Level Leq :dB (A) 47.9 50 1S: 9989 | 1 | Day Time Noise Level | Leq :dB (A) | 47.9 | · · · · · · · · · · · · · · · · · · · | IS: 9989 |
| 2 Night Time Noise Level Leq :dB (A) 39.2 40 IS: 9989 | 2 | Night Time Noise Level | Leq (dB (A) | 39.2 | 40 | IS: 9989 |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

FOR ENVIRO TECH SERVICES 75.

Note:-

Note:- CHECKED BY 1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report,

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately deter issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRENTER



No. HSPCB-060001(0014)/12/2023-SOLID_WASTE_MANAGEMENT_CELL-HSPCB_(Computer_No._10454 3191551/2024/Estt.Br

ENVIRO-TECH SERVICES An Analytical Laboratory



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph. 9911516076, 9811736063

TEST REPORT

TEST REPORT NO : ETS/2023/05/950-11

DATE OF REPORT: 31.05.2023

NOISE MONITORING REPORT

Name And Address of Customer

T

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

| Date of Monitoring | |
|------------------------|--|
| Monitoring Start Date | |
| Monitoring End Date | |
| Duration Of Monitoring | |
| Sample ID No | |
| Monitoring Done By | |
| Sampling Location | |
| | |

NQ-3;B M Model School Dudhola, Palwal, (Lat.- 28°12'32.17"N:Long.-77°15'56.84"E) ETS/STP/NOISE-01

SILENCE AREA

25.05.2023 25.05.2023 26.05.2023 24 HOURS ETS/TP-0195 ETS STAFF

Sampling Method Category Of Area

| S. No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
|--------|------------------------|-------------|--------|--|-------------|
| L | Day Time Noise Level | Leq:dB (A) | 46.9 | 50 | IS: 9989 |
| 2 | Night Time Noise Level | Leq :dB (A) | 38.2 | 40 | IS: 9989 |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M. Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



For ENVIRO-TECH SERVICES



2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No completent will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Hiologicat / Perishable sample shall be destroyed inamediately after issue of test report. nerated Minner Officer by a BARUBESINGHU Engrady er (BUNG) pacifiers, an eriden on the by a system of the anoratory.

| | | SOLID WASTE M | ANAGEME | <u>NT CELL-HSPCB (C</u> | Computer No. 1 | | | | | |
|------------------|---------------------------------|------------------------------|---|--|---------------------------------------|--|--|--|--|--|
| 1551/2024/Estt.E | | IRO-TEC | | DVICES | | | | | | |
| EB | | - | A | n Analytical Laboratory | ISO 45001 | | | | | |
| ETS-LAB | Plot No. 1/32 | (A GOVERNMENT | | LAB) naziabad (U.P.) - 201001 | | | | | | |
| ALT AL | | | | Ph.: 9911516076, 98117. | 36063 | | | | | |
| | | TEST | REPORT | | · · · · · · · · · · · · · · · · · · · | | | | | |
| TE | EST REPORT NO.: ETS/ | 2023/05/950-12 | 350-12 DATE OF REPORT: 31.05.20 | | | | | | | |
| | NOISE MONITORING REPORT | | | | | | | | | |
| Ne | ame And Address of Custo | a a server a server e come | M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana | | | | | | | |
| Da | ate of Monitoring | 25.05.2023 | 25.05.2023 25.05.2023 26.05.2023 24 HOURS ETS/TP-0196 | | | | | | | |
| Mc | phitoring Start Date | 25.05.2023 | | | | | | | | |
| M | philoring End Dale | 26.05.2023 | | | | | | | | |
| Du | ration Of Monitoring | 24 HOURS | | | | | | | | |
| Sa | mple ID No | ETS/TP-0196 | | | | | | | | |
| | phitoring Done By | ETS STAFF | | | | | | | | |
| Sa | mpling Location | : NQ-4;Arogya | NQ- 4;Arogyam,(Lat 28*12'47.53"N;Long 77*14'10 71"E) | | | | | | | |
| | mpling Method tegory Of Area | : ETS/STP/NOI : COMMERCIA | | | | | | | | |
| S . | No. Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method | | | | | |
| | 1 Day Time Noise Leve | Leq :dB (A) | 52.2 | 65 | IS: 9989 | | | | | |
| | 2 Night Time Noise Lev | el Leq :dB (A) | 43.5 | 55 | 15 9989 | | | | | |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.

Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



Note: CHERED BY 1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediatei/haffer issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

For ENVIRO-TECH

IS: 9989

AUNHORIZED NALOR

VICES

| TS-LAB | emi | (A GC Plot No. 1/32, S.S. of G ail : etslab2012@gmail.com | DVERNMENT APP 5.T. Road Industrial Website : www.el | Aras Ghazi | iahad (U.P.) • 20100 • | 23 |
|--------|--|---|---|---|--------------------------------|-------------|
| | | EPORT NO .: ETS/2023/05/ | TEST RE | | DATE OF REPORT: | 31.05,2023 |
| ••• | 1231 AL | NOI | SE MONITOR | RING RE | PORT | |
| | Name Ar | nd Address of Customer | : M/s. The Prompt | M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & 8 District Palwal, Haryana | | |
| | Monitori Monitori Duration Sample Monitor Samplin | ring Done By ng Location ng Method | 77°14'56.03''E) ETS/STP/NOISI | E-01 | hatir,(Lat 28°12'22.87"N;L | .ong |
| | Calego | ory Of Area | SILENCE AREA | Result | Specification/ Limit | Test Method |
| | S. No. | Test Parameter | Unit | | (as Per CPCB): Leg dB(A) 50 | 15: 9989 |
| | 1 | Day Time Noise Level | Leq :dB (A) | 45.6 | 40 | IS: 9989 |
| | 2 | Night Time Noise Level | Leq :dB (A) | 36.9 | | 10. 000 |
| | Remai | rk: Day time is reckoned in t Night time is reckoned in | between 06.00 A.M. a between 10.00 P.M. | and 10.00 P.I , and 06.00 A | M .M. | |



For ENVIRO-TECH SERVICES

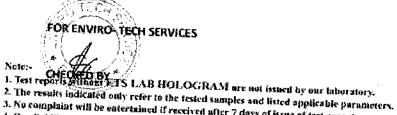
Note:-Note:-I. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory. 2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

A. Our naments is induce to invoice value only.
 S. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
 S. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
 G. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.
 Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



| | A GOVERNMENT | | Charlehad (U.D.) | ISO 45001 1 736063 |
|--|--|----------------|--|--------------------------|
| TEST REPORT NO .: ETS/2023 | TEST 3/05/950-14 | REPOR | T DATE OF REPOR | |
| Name And Address of Customer | OISE MONIT : M/s, The Pron & District Palw | not Enterorise | REPORT 25 Pvt Ltd , Village Dhatir & | Dudhola, Tehsil |
| Date of Monitoring Monitoring Start Date Monitoring End Date Duration Of Monitoring Sample ID No Monitoring Done By Sampling Location Sampling Method Category Of Area | 25.05.2023 25.05.2023 26.05.2023 24 HOURS ETS/TP-0198 ETS STAFF NQ-6:MS Hosp ETS/STP/NOIS ETS/STP/NOIS | E-01 | at 28°11'22.59''N;Long 7 | '7°14'43.21''E) |
| S. No. Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
| Day Time Noise Level Night Time Noise Level | Leq :dB (A) | 53.4 | 55 | IS: 9989 |
| 2 Night Time Noise Level Remark: Day time is reckoned in b | Leq :dB (A) | 44 7 | 45 | 18: 9989 |



3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invuice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately altAdSue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Office by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

FOR ENVIRO. TECH SE

VICES

AUTHORIZED SIGNATORY UATIV Manager

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br



ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Websile : www.etslab.in | Ph.: 9911516076, 9811736063

TEST REPORT

TEST REPORT NO .: ETS/2023/05/950-15

DATE OF REPORT: 31.05.2023

NOISE MONITORING REPORT

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

| Date of Monitoring | 25.05.2023 |
|------------------------|--------------|
| Monitoring Start Date | 25.05.2023 |
| Monitoring End Date | 26.05.2023 |
| Duration Of Monitoring | 24 HOURS |
| Sample ID No | ETS/TP-019 |
| Monitoring Done By | ETS STAFF |
| Sampling Location | : NQ-7;Bhara |
| | 77°16'37.86 |
| Sampling Method | : ETS/STP/N |

26.05.2023 24 HOURS ETS/TP-0199 **ETS STAFF** NQ-7; Bharat Public School, Dudhola, (Lat. - 28°11'39.89"N; Long. -77°16'37.86"E) ET\$/STP/NOISE-01 : RESIDENTIAL AREA

ampling Methoo Category Of Area

| S. | No. | Test Parameter | Unit | Result | Specification/ Limit (as Per CPCB): Leg dB(A) | Test Method |
|----|-----|------------------------|-------------|--------|--|-------------|
| | 1 | Day Time Noise Level | Leq :dB (A) | 51.0 | 55 | IS: 9989 |
| | 2 | Night Time Noise Level | Leq :dB (A) | 42.3 | 45 | IS. 9989 |

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M. Night time is reckoned in between 10.00 P.M. and 06.00 A.M.



For ENVIRO-TECH SERVICES

AUTHORIZEDISIONATORY

CHE 1. Test reports willow ETS LAB HOLOGRAM are not issued by our taboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4, Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Peristable sample shall be destroyed immediately/Mgr issue of test report.

Generated Abin 190 FREET binsh Roch SMSA In August ad vertibility, media of as evidence in the court of Law without prior written permission of the laboratory.

| A | | E | NVIRO |)-7E(| | | | 0 (UZ | | | |
|--------|---------------------------------------|--|--------------------------------|---------------------------------|--------------------------------|--|--------------------------|---------------------------------------|--|--|--|
| ELD | <u> </u> | | (A G | OVERNMENT | | r Analyticst La 1 APY | bonalosy | ISO 45001 | | | |
| ETS-LA | 8 | Plot No. | 1/32, S.S. of G | T. Road Indus | strial Area Ch | LAD) Izziebeci (II B | > 201004 | | | | |
| EFE: | | email : etslab2(| /12@gineil.com | Website : w | ww.etslab.in [| Ph: 9911516 |)-201001 678 55112066 | a 3 | | | |
| | | ······································ | | | | * •1. 33211+330 | 00.3011000 | 9-0 | | | |
| | TEST REPORT | | | | | | | | | | |
| | TEST | REPORT NO.1 | ETS/2023/05/ | 950-1 | | DAT | E OF REPORT | | | | |
| | | | | PTV BROAM | | | | | | | |
| | | AMBIENT | | IIT MONI | IORING | AND ANA | LYSIS RE | EPORT | | | |
| | Name | And Address of | Customer | M/s, The Pror District Palwa | npt Enterprises It, Haryana | Pvt Ltd , Villaç | ge Dhatir & Duc | ihola, Tehsil & | | | |
| | Analy: | sis Start Date | | 03.03 2023 | | | | | | | |
| | Analy: | sis End Date | | 31.05,2023 | | | | | | | |
| | | ling Done By | | ETS STAFF | | | | | | | |
| | Sampl | ling Location | - | "12'9.69"N;Lor | ig - 77°15'40.39 | ምድነ | | | | | |
| | Sampl | ing Method | | ETS/STP/AIR | | | | , _ , | | | |
| | | ing Machine Pla | | | | | | | | | |
| | | Test Parameters Particulate Particulate Culate | | | | | | | | | |
| | | | ······ | Maller(PM10) | Maiter(PM2.5) | Dioxide(SO2) | Nilrogen Diaxide(NO2) | Carbon | | | |
| | · · · · · · · · · · · · · · · · · · · | 1 i | Unit | | µg/m3 | µg/m3 | µg/m3 | Monoxide(CO) mg/m3 | | | |
| | Maret ** | | t (as Per CPCB) Test Method | | 24 Hrs =60 | 24 Hrs.=80 | 24 Hrs.=80 | 1 Hrs.=4 | | | |
| | SI.N. | Monitoring Date | Sample ID | (18 3 182 (F-23) | IS 5182(P-24) | IS: 5182(P-2) | IS: 5182(P-6) | IS 5182 (P-10) | | | |
| | 1 | 01.03.2023 | E15/TP-0001 | 94.3 | 55.6 | Test Results 7 5 | ····· | · · · · · · · · · · · · · · · · · · · | | | |
| | 2 | 05.03.2023 | ETS/TP-0009 | 69.8 | 53.0 | 8.1 | 12.3 | 0.66 | | | |
| | 3 | 08.03.2023 | FTS/TP-0017 | 91.6 | 53.1 | 73 | 10.8 | 0.81 | | | |
| | 4 | 12.03.2023 | ETS/TP-0025 | 88.8 | 50,6 | 8.0 | 11.5 | 0.64 | | | |
| | 6 | 15.03.2023 | ETS/TP-0033 | 96.5 | 56.0 | 8.7 | :3.5 | 0.68 | | | |
| | 7 | 19.03.2023 22.03.2023 | ETS/TP-0041 | 86.9 | 48.7 | 78 | 11.3 | 0.61 | | | |
| - | | | FTS/TP-0049 | <u>95.1</u> | 55.2 | 5.6 | 13.3 | 0.67 | | | |
| ł | - 3 | 26.03.2023 | ETS/TP-0057 | 92,1 | 52.5 | 7.4 | 10 1 | 064 | | | |
| ŀ | 10 | 02.04.2023 05.04.2023 | £75/7P-0065 | 88.4 | 495 | 7.1 | 10.6 | 0.97 | | | |
| ł | 11 | | ETS/TP-0073 | 91.0 | 52.8 | 7.3 | 11.8 | 0.55 | | | |
| ŀ | 12 | 09.04.2023 | ETS/TP-0081 | 96.8 | 55.2 | 8.7 | 10.6 | 0.68 | | | |
| ł | 13 | 16.04 2023 | ETS/TP-0089 | 88.1 | 52.0 | 9.7 | 11.5 | 0.79 | | | |
| 1 | 14 | 19.04 2023 | ETS/TP-0097 ETS/TP-01C5 | 88.5 | 52.2 | 7.1 | 11.5 | 0.80 | | | |
| | 15 | 23.04.2023 | EIS/1P-0113 | 85.7 | 50.6 | 63 | 10.3 | 0.94 | | | |
| | 16 | 26.04.2023 | FTS/TP-0121 | <u>97.5</u> 86.8 | 56.6 | 8.8 | 117 | 0.88 | | | |
| Ľ | 17 | 01.05.2023 | ETS/TP-0129 | 87.8 | 49.5 | 87 | 10.4 | 0.78 | | | |
| 1. | 18 | 05.05.2023 | E75/TP-0137 | 90.3 | <u>51.8</u> | 7.9 | 10.5 | 0.70 | | | |
| | 19 | 08.05.2023 | ETS/TP-0145 | | <u>53.3</u> 55.3 | <u>B.1</u> | 10.8 | 0.99 | | | |
| ľ. | 20 | 12 05 2023 | ETS/TP-0153 | 91.9 | <u> </u> | 7.8 | 136 | 0 87 | | | |
| , | 21 | 15.05.2023 | ETS/TP-0161 | 85.8 | 48.9 | 8.3 | 10,1 | 0.64 | | | |
| ļ. | 22 | 19.05.2023 | LTS/IP-0169 | 97.6 | 57.6 | 7.7 | 12.0 | 0.69 | | | |
| ļ | 23 | 22.05.2023 | ETS/TP-0177 | 90.3 | \$3.3 | 7.8 | | 1.07 | | | |
| - | 24 | 26.05.2023 | ETS/TP-0185 | 91.2 | 53.8 | 8.2 | 117 | 0.63 | | | |
| | ····· | | Minimum | 85,7 | 48.7 | <u>8.2</u> 6.9 | 11.9 | 1.00 | | | |
| | | | Maximum | 97.6 | 57.6 | 9.7 | 10.1 | 0.55 | | | |
| | | | Averago | 91.2 | 52.9 | ······································ | 13.6 | 1,07 | | | |
| ť | | | 98 Percentile | 97.6 | 57.1 | 9.3 | 11.6 | 0.78 | | | |
| | Cal Manager | RO- TECH SERVICE | ····· | | | 3.3 | 13.6 NVIRO-TEC | 1.04 | | | |

Note:- CRECKED BY I. Test reports without ETS LAB HOLDGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report. 4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately afterfixme of test report.

6. This text report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory-

RIED SCHATORY Uality Managor

from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM ted

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551720247Estt.Br



ISO 45001

31.05.2023

(A GOVERNMENT APPROVED LAB)

ENVIRO-TECH SERVICES

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email:etslab2012@gmail.com | Website:www.etslab.in | Ph., 9911516076, 9811736063

TEST REPORT

ETS/2023/05/950-2 TEST REPORT NO

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana

DATE OF REPORT:

An Analytical Laboratory

Analysis Start Date Analysis End Date Sampling Done By Sampling Location

31.05.2023 ETS STAFF

77°17'13.80"E)

03.03.2023

AAQ- 2; Shri Vishwakarma Skill University, (Lat.- 28°11'55.53"N; Long.-

Sampling Method

ETS/STP/AIR-01 Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

| ampii | ng Machine Place | st Parameters | Particulate | Particulate | Sulphur | Nitrogen | Carbon Monoxide(CO) | | | |
|----------|------------------|---------------|---------------|---------------|---------------|---------------|--|--|--|--|
| | , - | | Mailer(PM10) | Matter(PM2.5) | Dioxide(SO2) | Dioxide(NO2) | mg/m3 | | | |
| ••• | | Unit | ug/m3 | µg/m3 | µg/m3 | µg/m3 | and the second s | | | |
| | Limit | as Per CPCB) | 24 Hrs.= 100 | 24 Hrs =60 | 24 Hrs.=80 | 24 Hrs.=80 | 1 Hrs.=4 | | | |
| | | Test Method | IS 5182(P-23) | 15 5182(P-24) | IS: 5182(P-2) | IS: 5182(P-6) | IS 5182 (P-10) | | | |
| | | Sample ID | | Test Results | | | | | | |
| SLN. | Monitoring Date | | 82.6 | 40 5 | 6.6 | 10.7 | 0,50 | | | |
| 1 | 03 03 2023 | ETS/TP-0002 | 78,1 | 46.1 | 7.0 | 9,4 | 0.70 | | | |
| 2 | 07.03.2023 | ETS/TP-0010 | 79.9 | 46 3 | 6.4 | 11.2 | 0 56 | | | |
| 3 | 09.03.2023 | ETS/TP-0018 | 79.9 | 43.9 | 6.9 | 10.0 | 0.85 | | | |
| 4 | 14.03.2023 | E15/TP-0026 | | 49.2 | 7.6 | 11.9 | 0.59 | | | |
| 5 | 17.03.2023 | £TS/TP-0034 | 84.8 | 421 | 6.8 | 9.8 | 0.53 | | | |
| 6 | 21,03.2023 | £TS/TP-0042 | 75.2 | 48.4 | 7.5 | 11.7 | 0.58 | | | |
| 7 | 24.03,2023 | ETS/TP-0050 | 83.4 | 458 | 8,4 | 1 8.8 | 0.56 | | | |
| Ű | 28.03.2023 | ETS/1P-0058 | 80.4 | | 6,1 | 82 | 0.84 | | | |
| 9 | 04.04.2023 | ETS/TP-0066 | 76.7 | 430 | 6.3 | 10.3 | 0.48 | | | |
| ţO | 07.04.2023 | CTS/1P-0074 | 79,3 | 46:0 | 7.7 | 9,4 | 0.60 | | | |
| 11 | 11.04.2023 | ETS/TP-0082 | 85.1 | 48.5 | 8.4 | 8.9 | 0,69 | | | |
| 12 | 14.04.2023 | ETS/TP-0090 | 76.4 | 45.1 | 6.1 | 10.0 | 0.69 | | | |
| 13 | 18.04 2023 | ETS/TP-0098 | 76.8 | 453 | 5.9 | 8.9 | 0.01 | | | |
| 14 | 20.04.2023 | ET3/TP-0105 | 74.0 | 43.7 | | 10,3 | 0.77 | | | |
| 15 | 25.04 2023 | ETS/TP-0114 | 85.8 | 49.8 | 7.7 | 9.0 | 0.68 | | | |
| 16 | 28.04.2023 | ETS/TP-0122 | 75.1 | 42.8 | 7.5 | 9,1 | 0.61 | | | |
| 17 | 03,05,2023 | ETS/1P-0130 | 76.1 | 44.9 | 6.8 | 9,1 | 0.86 | | | |
| 18 | 07.05.2023 | ETS/TP-0138 | 78.6 | 46.4 | 7.1 | 12.0 | 0.77 | | | |
| 19 | 09.05.2023 | FTS/TP-0146 | 85,4 | 48.7 | 6.8 | 8.8 | 0.56 | | | |
| 20 | 14.05 2023 | ETS/TP-0154 | 80.2 | 45.7 | 7,2 | | 0.59 | | | |
| 21 | 17.05.2023 | ETS/TP-0162 | 74.1 | 42.2 | 6.7 | 10.4 | 0.55 | | | |
| 22 | 21.05.2023 | ETS/TP-0170 | 85.9 | 50.7 | 6.9 | 11.2 | 0.55 | | | |
| 23 | 24,05.2023 | ETS/TP-0178 | 78 6 | 46.4 | 7.1 | 10.2 | 0.55 | | | |
| 24 | 28.05.2023 | ETS/TP-0186 | 79.5 | 46.9 | 7.2 | 10.3 | 0.07 | | | |
| | 3 | Minimun | 74.0 | 40.5 | 5.9 | 8.8 | 0.94 | | | |
| - | | Maximun | 85.9 | 50.7 | 8.4 | 12.0 | 0.67 | | | |
| | | Average | 79.5 | 45.8 | 7.0 | 10,1 | 0.67 | | | |
| | | 98 Percentik | 85.9 | 50,3 | 8,1 | 11.9 | of Test Report | | | |

FOR ENVIRO- TECH SERVICES

End of Test Repo For ENVIRO-T

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of hour of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

Generated fillin territer by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | | El | NV/R(| | APPROVED | m Amelistical La | ES . | |
|--|-----------------|--------------------------|----------------------------|-------------------------|---------------------|-----------------------------|--------------------------|-----------------|
| ETS-LA | | Plot No. | 1/32, S.S. of G | T. Road Indu | strial Area CI | | | |
| | | email : elslab20 | 12@gmail.com | / Website : w | ww.etslab.in 1 | Ph: 9911516 | }•201007 876 89417028 | č. ۲ |
| | 714 | | | | | | V.V. 20 H 200 | QG |
| STAR. | Tees | . | | IEST | REPOR | Т | | |
| A REAL OF THE PARTY OF THE PART | IEƏI | REPORT NO .: | ETS/2023/05/ | 950-3 | | DAT | E OF REPORT | 31 05 202 |
| | | AMBIENT | | ITY MON | | | | 01 00 20, |
| | Name | And Address of | | | IORING | | LYSIS RI | EPORT |
| | 4 7 wirt 5 w | - CILIO CIGOS O | Customer : | M/s, The Prop | mpt Enterprises | Pvt Ltd., Villag | je Dhatir & Dug | thola. Tehsil 8 |
| | | | | District Palwa | il, Haryana | | | |
| | Analy | sis Start Date | | | | | | |
| | | sis End Date | : | 03.03.2023 | | | | |
| | | ling Done By | • | 31.05.2023 ETS STAFF | | | | |
| | | ling Location | • | | Indel School D | utilizata 13 t | | |
| | C | × • • • | | 77°15'56.84'E | | udhola, Palwal, | (Lat- 28°12'32 | .17"N;Long |
| | Samp. | ing Method | | ETS/STP/AIR | -01 | | | |
| 1 | Jampi | ing Machine Pla | | | ROM GROUND | LEVEL | | |
| | | Т | est Parameters | | Particulate | Sulphur | Nitrogen | Carbon |
| ĺ | | | Unit | Matter(PM10) µg/m3 | Malter(PM2.5) | Dioxide(SO2) | Dioxide(NO2) | Monoxide(CO |
| | ····· | Limit | (as Per CPCB) | 24 Hrs.=100 | µg/m3 24 Hrs.=60 | µg/m3 | µg/m3 | mg/m3 |
| | | | Test Method | | IS 5182(P-24) | 24 Hrs.=80 4S: 5182(P-2) | 24 Hrs.=80 | 1 Hrs =4 |
| | SLN. | Monitoring Date | Sample ID | | | Tost Results | IS: 5182(P-6) | IS 5182 (P-10) |
| | 2 | 01.03.2023 | ET5/TP-0003 | 80.6 | 39.5 | 6.4 | 10.5 | 0.48 |
| ŀ | | 05.03.2023 08.03.2023 | ETS/TP-0011 | 76 1 | 44.9 | 68 | 9.1 | 0.48 |
| ļ | 4 | 12.03.2023 | ETS/1P-0019 E1S/TP-0027 | 77,9 | 45.2 | 6,2 | 10.9 | 0.55 |
| ľ | 5 | 15.03.2023 | ETS/TP 0035 | 75.1 | 42.8 | 6.8 | 9.8 | 0.83 |
| | 6 | 19.03.2023 | ETS/TP-0043 | 82.8 73.2 | 48.0 | 7.5 | 11,6 | 0 58 |
| | 7 | 22.03.2023 | ETS/IP-0051 | 81,4 | 41.0 | 6.6 | 95 | 0.51 |
| | 6 | 26.03 2023 | ETS/TP-0059 | 78.4 | 44.7 | 7.3 | 11.4 | 0.57 |
| - | 9 | 02.04 2023 | ETS/TP-0067 | 74,7 | 41.8 | <u>6.3</u> 6.0 | | 6.55 |
| - | 10 | 05.04,2023 | ETS/TP-0075 | 77.3 | 44.8 | 62 | 9 D 10.0 | |
| - | 11 | 09.04.2023 | EIS/TP-0083 | 83.1 | 47.4 | 75 | 9.1 | 0.46 |
| ļ. | 12 13 | 12.04.2023 16.04.2023 | ETS/TP-0091 | 74.4 | 43.9 | 8.2 | 9.7 | 0.67 |
| ŀ | 14 | 19.04.2023 | ETS/TP-0099 ETS/TP-0107 | /4.8 | 44.1 | 60 | 97 | 0.67 |
| F | 15 | 23.04.2023 | ETS/TP-0115 | 72.0 83.8 | 42.5 | 5.8 | 8.5 | 0.79 |
| Ľ | 16 | 26.04.2023 | ETS/TP-0123 | 73.1 | 48.6 | 7.5 | 10.1 | 0.75 |
| | 17 | 01.05.2023 | ET5/7P-0131 | 74.1 | 43.7 | <u>73</u> 6.7 | 8.8 | 0.66 |
| | 18 | 05.05 2023 | ETS/TP-0139 | 75,6 | 45.2 | <u>0.7</u> 6.9 | <u>8.9</u> 9.2 | 0 59 |
| ļ | 19 | 08.05.2023 | ETS/TP-0147 | 83.4 | 47.5 | 6.7 | 11.7 | 0.84 |
| s | <u>20</u> 21 | 12,05,2023 | EIS/TP-0155 | 78.2 | 44 fj | 7.0 | 8.6 | 0.75 |
| | 22 | 15 05.2023 19.05 2023 | ETS/TP-0163 | 72.1 | 41.1 | 6.5 | 10 1 | 0.58 |
| | 23 | 22.05.2023 | ETS/TP-0171 ETS/TP-0179 | 83.9 | 49.5 | 5.7 | 10.9 | 0.92 |
| Ē. | 24 | 26.05.2023 | ETS/1P-0187 | 76.6 | 42.1 | 6.9 | 10.0 | 0.54 |
| | | | Minimum | 77.5 | 45.7 | 7.0 | 10.1 | 0.85 |
| | ······ | | Maximum | 83.9 | <u> </u> | 5.8 | 8.6 | 0.46 |
| | | | Average | 77.5 | 44.5 | <u>8.2</u> 6.8 | 11.7 | 0.92 |
| l | M. | | 98 Percentile | 83.9 | 49.1 | 7.9 | 9.8 | 0.66 |
| 20 | 0-CAIO | RO-TECH SERVICE | | | i | 7 1 BT | 11.6 *****End of 1 | 0.89 |

Note: CHECKED BY

2. The results hidroged only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately aft@issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

AUTHORIZED SIGNATORY

Quarity Manager

~

enerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| ALAB TS-LAB | en | Plot No. 1/2 | (A GOVE (A GOVE 32, S.S. of G.T. 1 @gmail.com | ERNMENT A | بط ج PPROVED L4 ial Area, Ghaz | Genlytical Luber \B) slabad (U.P.) - | alary 201001 | ISO 45001 | | | | | |
|----------------|---|--|--|--------------------------------|--------------------------------------|--|--------------------|----------------|--|--|--|--|--|
| | - | | | TEST | REPORT | | | | | | | | |
| | TEST REPORT NO.: ETS/2023/05/950-4 DATE OF REPORT: 31.05.2023 | | | | | | | | | | | | |
| | A | AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT | | | | | | | | | | | |
| | | ind Address of C | ustomer : N | | pt Enterprises I | | | | | | | | |
| | Analysi | s Start Date | : 0 | 3.03.2023 | | | | | | | | | |
| | | s End Date | | 31.05.2023 | | | | | | | | | |
| | Samplir | ig Done By | | ETS STAFF | | | | | | | | | |
| | Sampling Location AAQ- 4:Baba Saidpur wale Temple .(Lat 28*13'18.77"N:Long | | | | | | | | | | | | |
| | A | | | 7°14'11.68"E | | | | | | | | | |
| | Sampling Method ETS/STP/AIR-01 Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL | | | | | | | | | | | | |
| | Sampin | - | . | Particulate | Particulate | Sulphur | Nitrogen | Carbon | | | | | |
| | - | 16 | st Parameters | Matter(PM10) | Matter(PM2.5) | Dioxide(SO2) | Diexide(NO2) | Monoxide(CC) | | | | | |
| | | | Unit | µg/m3 | µg/m3 | µg/m3 | µg/m3 | mg/m3 | | | | | |
| | ļ | Limit | (as Per CPCB) | 24 Hrs.=100 | 24 Hrs.=60 | 24 Hrs.=80 | 24 Hrs.=80 | î Hrs.≓4 | | | | | |
| | | | Test Method | IS 5182(P-23) | IS 5182(P-24) | IS: 5182(P-2) | IS: 5182(P-6) | IS 5182 (P-10) | | | | | |
| | SI.N. | Monitoring Date | Sample ID | | | Test Results | | | | | | | |
| | 1 | 03.03.2023 | ETS/TP-0004 | 81.6 | 40.0 | 6.5 | 10,6 | 0.49 | | | | | |
| | 2 | 07.03.2023 | ETS/TP-0012 | 77.1 | 45.5 | 6.9 | 9.3 | 0.69 | | | | | |
| | 3 | 09.03.2023 | ETS/TP-0020 | 78.9 | <u> </u> | 6.3 6.8 | <u>11.0</u> 9.9 | 0.84 | | | | | |
| | 4 | 14.03.2023 17.03.2023 | ETS/TP-0028 ETS/TP-0036 | 76.1 83.8 | 48.6 | 7.5 | 11.7 | 0.59 | | | | | |
| | 6 | 21.03.2023 | ETS/TP-0044 | 742 | 41.6 | 6.7 | 9.6 | 0.52 | | | | | |
| | 7 | 24.03.2023 | ETS/TP-0052 | 82.4 | 47.8 | 7.4 | 11,5 | 0.58 | | | | | |
| | 8 | 28.03.2023 | ETS/TP-0060 | 79,4 | 45.3 | 6.4 | 8.7 | 0.56 | | | | | |
| | 9 | 04.04.2023 | CT 5/TP-0068 | 75.7 | 42.4 | 6.1 | 9.1 | 0.83 | | | | | |
| | 10 | 07.04.2023 | ETS/TP-0076 | 78.3 | 45.4 | 6.3 7.6 | 9.3 | 0 59 | | | | | |
| | 11 | 11.04.2023 | ETS/TP-0084 ETS/TP-0092 | 75.4 | 44.5 | 83 | 9.8 | 0 68 | | | | | |
| | 13 | 18 04 2023 | ETS/TP-0100 | 75.8 | 44 7 | 61 | 9,9 | 0.68 | | | | | |
| | 14 | 20.04 2023 | ETS/TP-0108 | 73.0 | 431 | 58 | 9.8 | 0.80 | | | | | |
| | 15 | 25.04.2023 | ETS/TP-0116 | 84.8 | 49.2 | 7.6 | 10.2 | 0.76 | | | | | |
| | 16 | 28.04 2023 | ETS/TP-0124 | 74.1 | 42.2 | 7.4 6.8 | 8.9 | 0.60 | | | | | |
| | 17 | 03.05 2023 | ETS/TP-0132 ETS/TP-0140 | 75.1 | 44.3 | 7.0 | 9.3 | 0,85 | | | | | |
| | 18 | 07,05,2023 | ETS/TP-0148 | 84.4 | 48.1 | 6.8 | 11.8 | 0.76 | | | | | |
| | 20 | 14.05.2023 | ETS/TP-0156 | 79.2 | 45 1 | 7.1 | 87 | 0,55 | | | | | |
| | 21 | 17.05.2023 | ET5/1P-0164 | 73.1 | 41.7 | 6.6 | 10.2 | 0.58 | | | | | |
| | 22 | 21.05.2023 | ETS/TP-0172 | 84.9 | 50.1 | 6.8 | 11.0 | 0.93 | | | | | |
| | 23 | 24.05.2023 | ETS/1P-0180 | 77.6 | 40.4 | 7.0 | 10.1 | 0.54 | | | | | |
| | 24 | 28.05.2023 | ATS/TP-0188 Minimum | 78.5 73.0 | 46.3 | <u>7.1</u> 5.8 | B.7 | 0.47 | | | | | |
| | | | Maximum | | 50.1 | 8.3 | 11.8 | 0.93 | | | | | |
| | | | Average | | 45.0 | 5.9 | 10.0 | 0.67 | | | | | |
| | | | 98 Percentile | A REAL PROPERTY AND ADDRESS OF | 49.7 | 8.0 | 11.8 | 0.90 | | | | | |
| | | WIRD- TECH SERV | 1/FC | | | For El | WIRd TF | of TestRenerES | | | | | |

2. The results indicated only refer to the tested samples and infect applicable parameters.
 J. No complaint will be entertained if received after 7 days of issue of test report.
 4. Our liability is limited to invoice value only.
 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately After issue of test report.
 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the inboratory.
 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the inboratory.
 6. Generated from eoffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| 显 | - | 2/ | IVIRO (A GO | | | Analytical Lab | | BO 45001 | | | | | |
|-------------|-------------|---|------------------------------|----------------------|-----------------------------|-----------------------------|----------------------|------------------------|--|--|--|--|--|
| ETS-LAS | | Plot No. 1 email : etstab201 | 1/32, S.S. of G.1 | T. Road Indus | trial Area, Gh | - aziabad (II D) | - 201001 | | | | | | |
| | | | | _ | | | 10, 9011/300¢ |) | | | | | |
| | TEST | TEST REPORT NO.: ETS/2023/05/950-5 DATE OF REPORT: 31.05.2023 | | | | | | | | | | | |
| | | | | | · | DAT | E OF REPORT | 31.05.202 | | | | | |
| | | AMBIENT | AIR QUALI | ITY MON | TORING | AND ANA | LYSIS RI | EPORT | | | | | |
| | Name | Name And Address of Customer : M/s, The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil District Palwal, Haryana | | | | | | | | | | | |
| | | sis Start Date | : | 03.03.2023 | | | | | | | | | |
| | | sis End Date | | 31.05.2023 | | | | | | | | | |
| | | ling Done By | : | ETS STAFF | | | | | | | | | |
| | əamp | ling Location | \$ | AAQ- 5;Arogy | am, (Lat 28°12 | 47.53"N:Long | - 77°14'10.71" | El | | | | | |
| | | ling Method ling Machine Pla | ced At Height | ETS/STP/AIR | | | | , | | | | | |
| | 1 | T | est Parameters | Particulate | Particulate | Sulphur | Nitrogen | T | | | | | |
| | | · | I I | Matter(PM (0) | Matter(PM2 5) | Dioxide(SO2) | Dioxide(NO2) | Carbon Monoxide(CO) | | | | | |
| | | Limit | Unit (as Per CPCB) | µg/m3 24 Hrs.=100 | <u>µg/m3</u> | µg/m3 | µg/m3 | mg/m3 | | | | | |
| | | | Test Method | IS 5182(P 23) | 24 Hrs.=60 IS 5182(P-24) | 24 Hrs ≈80 IS: 5182(P-2) | 24 Hrs =80 | 1 Hrs =4 | | | | | |
| | SI.N. | Monitoring Date | Sample ID | | | Test Results | /S: 5182(P-6) | IS 5182 (P-10) | | | | | |
| | 1 | 01.03.2023 | ETS/TP-0005 | 79.6 | 39.0 | 6.4 | 10 3 | 0.48 | | | | | |
| | | 08.03.2023 | ETS/TP-0013 ETS/TP-0021 | 75.1 | 44.3 | 6.8 | 9 Q | 0.68 | | | | | |
| | 4 | 12.03.2023 | ETS/TP 0029 | 76.9 74.1 | 44.6 42.2 | 62 | 10.8 | 0.54 | | | | | |
| | 5 | 15.03.2023 | ETS/TP-0037 | 81.8 | 42.2 | <u> </u> | 9.6 | 0.82 | | | | | |
| | 6 | 19.03.2023 | ETS/TP-0045 | 72.2 | 40.4 | 6.5 | 11.5 | 0.57 | | | | | |
| - | 7 | 22.03.2023 | ETS/TP-0053 | 80.4 | 45.6 | 7.2 | <u>9.4</u> 11.3 | 0.51 | | | | | |
| l | 5 | 26.03.2023 | ETS/72-0061 | 77.4 | 44.i | 6.2 | 85 - | 0.54 | | | | | |
| | 9 10 | 02.04,2023 | ETS/1P-0069 | 73.7 | 413 | 5.9 | 8.8 | 0.81 | | | | | |
| ŀ | 11 | 05.04.2023 09.04.2023 | ETS/TP-0077 | 76.3 | | 6.1 | 9.9 | 0.46 | | | | | |
| [- | 12 | 12.04.2023 | ETS/TP-0085 ETS/TP-0093 | <u>82.1</u> 73.4 | 46.6 | 7.4 | 90 | 0.57 | | | | | |
| ľ | 13 | 16,04,2023 | ETS/TP-0101 | 73.8 | 43.3 | 81 | 9.5 | 0.66 | | | | | |
| | 14 | 19.04.2023 | ETS/TP-0109 | 71.0 | 41.3 | 5.9 5.7 | 9.6 8.5 | 0.66 | | | | | |
| r | 15 | 23.04.2023 | ETS/1P 0117 | 82.8 | 48.0 | 7.5 | 9.9 9.9 | 0.78 | | | | | |
| ŀ | 16 | 26.04.2023 | ETS/TP-0125 | 72.1 | 41.1 | 7.2 | 8.7 | 0.65 | | | | | |
| F | 17 18 | 01.05.2023 | ETS/TP-0133 | 73.1 | 43.1 | 6,6 | 8.8 | 0.58 | | | | | |
| F | 19 | 08.05.2023 | ETS/TP-0141 ETS/TP-0149 | 75.6 | 44.6 | 6.8 | 91 | 0.83 | | | | | |
| - | 20 | 12.05.2023 | ETS/TP-0157 | <u> </u> | 47.0 | 6.6 | 115 | 0.74 | | | | | |
| T. | 21 | 15.05.2023 | FTS/TP-0165 | 71.1 | 44.0 | 6.9 | 85 | 0.54 | | | | | |
| L. | 22 | 19.05.2023 | ETS/TP-0173 | 82,9 | 48.9 | <u>6.4</u> 6.6 | 10.0 | 0.57 | | | | | |
| ļ- | 23 | 22.05.2023 | ETS/TP-0181 | 75.6 | 40.1 | 6.8 | - <u>10.8</u> 9.8 | 0.91 | | | | | |
| ŀ | 24 | 26.05.2023 | ETS/TP-0189 | 76.5 | 45.1 | 6 ,9 | 9.9 | 0.53 | | | | | |
| | | | Minimum | 71.0 | 39.0 | 5.7 | 8.5 | 0.46 | | | | | |
| | | | Meximum Average | 62.9 | 48.9 | 8.1 | 11.5 | 0.91 | | | | | |
| F | | <u> </u> | 92 Dornovit- | 76.5 | 43.8 | 6.7 | 9,7 | 0.65 | | | | | |
| •• - | <u></u> | RO-TECH SERVICE | | | 40.5 | 7.8 | 11.5 | 88.0 | | | | | |

Rest reportion fiber ETS LAB HOLOGRAM are not issued by our laboratory.
 The results indepied only refer to the tested samples and listed applicable parameters.
 No complaint with he contextuard if analysis of the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

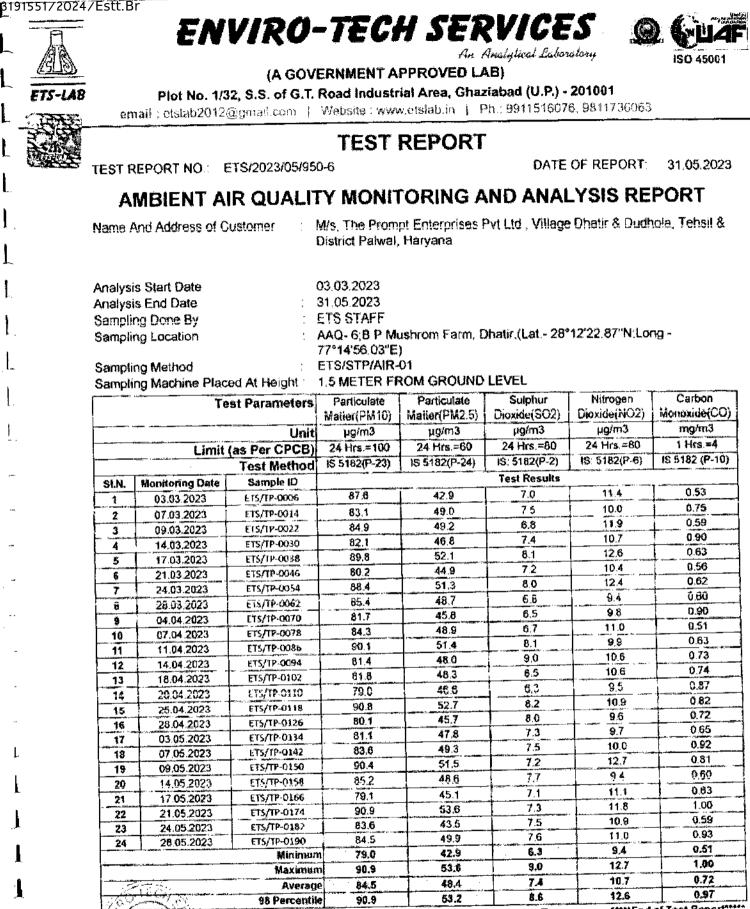
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately 464 issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

enerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

AUTHORIZED SHARTORY -

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 ß19155172024/Estt.Br



FOR ENVIRO- TECH SERVICES

*****End of Test Report**** For ENVIRO. VICES

ED SKNAYORY Manager

Note:-CHECKED BY

t. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately effer issue of test report. 6. This test report shall not be used in any advertising media or at evidence in the court of Law without prior written permission of the laboratory, nerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| <u>Als</u> | _ | | IVIRC | | A. | a Anchatical to: | | | | | | | |
|------------|--|---|------------------------------|--------------------------|------------------|-------------------------|--------------------------|-----------------------|--|--|--|--|--|
| ETS-LA | | Diat Ma | (A GC | VERNMENT | APPROVED | | <i>(</i> | ISO 45001 | | | | | |
| | | Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 email : etstab2012@gmail.com Website : www.etstab.in j Ph.: 9911516076, 9811736063 | | | | | | | | | | | |
| 「認識 | | Ph.: 9911516076, 9811736063 | | | | | | | | | | | |
| | | TEST REPORT | | | | | | | | | | | |
| A STORE | TEST | TEST REPORT NO.: ETS/2023/05/950-7 DATE OF REPORT: 31 05 2000 | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT | | | | | | | | | | | |
| | Name And Address of Customer : M/s. The Prompt Enterprises Pvt Ltd., Village Dhatir & Dudhola, Tehsil & District Palwal, Haryana | | | | | | | | | | | | |
| | Anatv | sis Start Date | | | | | | | | | | | |
| | | sis End Date | | 03.03.2023 31.05.2023 | | | | | | | | | |
| | Sampl | ing Done By | | ETS STAFF | | | | | | | | | |
| • | Sampi | ing Location | - | | ospital Dhatir / | at - 28°11'22.5 | | | | | | | |
| | Samol | ing Method | | | | | v≈ iviroùĝ 7⊉ | 1443.21"E) | | | | | |
| | | ing Machine Plac | 20d At Height | ETS/STP/AIR | | | | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | est Parameters | Particulate | ROM GROUND | T | | | | | | | |
| | | | | Matter(PM10) | Malter(PM2.5) | Sulphur Dioxide(502) | Nitrogen Dioxide(NOZ) | Carbon | | | | | |
| | · | | Unit | µg/m3 | µg/m3 | µg/m3 | ug/m3 | Monoxide(CO) mg/m3 | | | | | |
| ſ | ۵۰ | | (as Per CPCB) Test Method | | 24 Hrs =60 | 24 Hrs =80 | 24 Hrs.=80 | 1 Hrs.≏4 | | | | | |
| | SLN. | Monitoring Date | Sample ID | 13 5102(1-23) | IS 5182(P-24) | JS: 5182(P-2) | IS: 5182(P-6) | IS 5182 (P-10) | | | | | |
| | 1 | 01.03.2023 | ETS/1P-0007 | 6.83 | 43.4 | Test Results 7 1 | 11.5 | <u> </u> | | | | | |
| | 2 | 05.03.2023 | ETS/TP-0015 | 84.1 | 49.6 | 7.6 | 10.1 | 0.53 | | | | | |
| ļ | 4 | 08.03.2023 | ETS/TP-0013 ETS/TP-0031 | 85.9 83.1 | 49.8 | 6.9 | 12.0 | 0.60 | | | | | |
| | 5 | 15.03.2023 | CTS/TP-0039 | 8 08 | 47.4 52.7 | 75 | 10.8 | 0.91 | | | | | |
| | 6 | 19.03.2023 | ET5/TP-0047 | 81.2 | 45.5 | 7.3 | 12.7 | 0.64 | | | | | |
| | 8 | 22.03.2023 25.03.2023 | ETS/TP-0055 ETS/7P-0063 | <u>. 89.4</u> 86.4 | 51.9 | 8.0 | 12.5 | 0.63 | | | | | |
| | 9 | 02.04.2023 | ETS/TP-0071 | 82.7 | 49.2 46.3 | 6.9 6.6 | 9.5 8.9 | 0.60 | | | | | |
| 4- - | 10 11 | 05.04.2023 | ETS/TP-0079 | 85,3 | 494 | 6.8 | 11.1 | 0.91 | | | | | |
| | 12 | 09.04.2023 | ETS/TP-0087 ETS/TP-0095 | <u>91.1</u> 82.4 | 51.9 | 8 Z | 10.0 | 0.64 | | | | | |
| | 13 | 16.04.2023 | ETS/TP-0103 | 82.8 | 48.5 | 9.1 | 10.7 10.8 | 0.74 | | | | | |
| ļ | 14 | 19.04 2023 | FTS/TP-011: | 80.0 | 47.2 | 6.4 | 9.6 | 0.75 | | | | | |
| - | 16 | 23.04.2023 26.04.2023 | ETS/TP-0119 ETS/TP-0127 | 91.8 | 53.2 | 8,3 | 11.0 | 0.83 | | | | | |
| | 17 | 01.05.2023 | ETS/TP-0135 | 82.1 | 46.2 | 8.1 7 4 | <u>9.7</u> 9.9 | 0.73 | | | | | |
| | 18 19 | 05.05.2023 | CTS/TP-0143 | 84.6 | 49.9 | 7.0 | 10.2 | 0.66 | | | | | |
| | 20 | 08.05.2023 | CTS/TP-0151 ETS/TP-0159 | 91.4 86.2 | 52.1 | 7.3 | 12.8 | 0.82 | | | | | |
| | 21 | 15 05 2023 | ETS/TP-0167 | 80.1 | 491 457 | 7.8 | 9.5 | 0.60 | | | | | |
| | 22 | 19.05.2023 | ETS/JP-0175 | 919 | 54.2 | 7.4 | <u>11,2</u> 11,9 | 1.01 | | | | | |
| ŀ | 24 | 22.05.2023 | ETS/TP-0183 ETS/TP-0191 | 84.6 | 48.2 | 7.6 | 11.0 | 0.59 | | | | | |
| ₽+ | ······································ | | Minimum | <u>85.5</u> 80.0 | 43.4 | <u>7,7</u> 6,4 | <u>11.1</u> 9.6 | 0.94 | | | | | |
| - | | | Maximum | 91.9 | 54.2 | <u>8,4</u> 8.1 | ¥.5 12.8 | 0.51 | | | | | |
| | | | Average 98 Percentile | 85.5 91.9 | 49.1 | 7.5 | 10.8 | 0.73 | | | | | |
| F(| R ENVI | RO TECH SERVICE | | | <u>\$3.8</u> | 8,7 Sor Chi | 12.8 | 0.98 | | | | | |
| , | 1 | | | | | NOT EN | VIR TEnd of | 16st Report***** | | | | | |

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

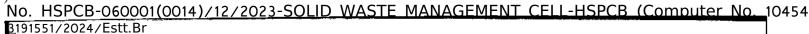
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

۰.

۰_

ς.

erated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM



ENVIRO-TECH SERVICES An Analytical Laboratory



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com (Website www.cislab.in | Ph., 9911516076, 9811736063

TEST REPORT

TEST REPORT NO .: ETS/2023/05/950-8

DATE OF REPORT: 31.05.2023

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer

M/s, The Prompt Enterprises Pvt Ltd , Village Dhatir & Dudhola, Tehsil & District Palwal, Harvana

Analysis Start Date Analysis End Date Sampling Done By Sampling Location

31.05.2023 ETS STAFF

03.03.2023

AAQ- 88harat Public School, Dudhola, (Lat. - 28°11'39.89"N; Long.-77°16'37.86"E ETS/STP/AIR-01

Sampling Method

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

| | | _ | | | | | | | | |
|-------|-----------------|----------------|----------------|---------------|---------------|---------------|----------------|--|--|--|
| | Te | est Parameters | Particulate | Particulate | Sulphur | Nitrogen | Carbon | | | |
| | | | Matter(Pivi10) | Matter(PM2.5) | Dioxide(SO2) | Dioxide(NO2) | Monoxide(CO) | | | |
| | | Unit | µg/m3 | រុរពូ/៣3 | ից/m3 | µg/m3 | mg/m3 | | | |
| | Limit | (as Per CPCB) | 24 Hrs = 100 | 24 Hrs.=60 | 24 Hrs.=80 | 24 Hrs.=80 | 1 Hrs =4 | | | |
| | | Test Method | (\$ 5182(P 23) | IS 5182(P-24) | IS: 5182(P-2) | IS: 5182(P-6) | IS 5182 (P 10) | | | |
| SI.N. | Monitoring Date | Sample ID | Test Results | | | | | | | |
| 1 | 01.03.2023 | ETS/TP-0008 | 89.0 | 43.6 | 7.1 | 11.6 | 0.53 | | | |
| 2 | 05.03.2023 | ETS/TP-0016 | 84.5 | 49.9 | 7.6 | 10,1 | 0.76 | | | |
| 3 | 08.03.2023 | ETS/TP-0024 | 86.3 | 50.1 | 6.9 | 12.1 | 0.60 | | | |
| 4 | 12.03.2023 | ETS/TP-0032 | 835 | 47.6 | 7.5 | 10.9 | 0.92 | | | |
| 5 | 15.03.2023 | ETS/1P-0040 | 91.2 | 52.9 | 8.2 | 12.8 | 0.64 | | | |
| 6 | 19.03.2023 | ET5/TP-0048 | 81.6 | 45.7 | 7.3 | 10.6 | 0.57 | | | |
| 7 | 22.03.2023 | ETS/TP-0056 | 89.8 | 52.1 | 8.1 | 12.6 | 0 63 | | | |
| 8 | 26.03.2023 | ETS/TP-0064 | 86 8 | 49.5 | 6.9 | 9.5 | 0.61 | | | |
| 9 | 02.04.2023 | ETS/TP-0072 | 83.1 | 46.5 | 6.6 | 10.0 | 0.91 | | | |
| 10 | 05.04.2023 | ETS/TP-0080 | 85.7 | 49.7 | 6.9 | 11.1 | 0.51 | | | |
| 11 | 09.04 2023 | ETS/TP OOS8 | 91.5 | 52.2 | 8.2 | 10.1 | 0.64 | | | |
| 12 | 12.04.2023 | ETS/TP-0096 | 82.8 | 48,9 | 9.1 | 10.8 | 0.75 | | | |
| 13 | 16.04.2023 | ETS/TP-0104 | 83.2 | 49.1 | 6.7 | 10.8 | 0.75 | | | |
| 14 | 19.04.2023 | ET5/TP-0112 | 80.4 | 47.4 | 6.4 | 9.6 | 33.0 | | | |
| 15 | 23.04.2023 | ETS/TP-0120 | 92.2 | 53 5 | 8.3 | 11.1 | 0.83 | | | |
| 16 | 26.04.2023 | ET5/TP-0128 | 81.5 | 46.5 | 8.2 | 9.8 | 0.73 | | | |
| 17 | 01.05.2023 | ETS/TP-0136 | 82.5 | 48.7 | 7.4 | 9,9 | 0.66 | | | |
| 18 | 05,05,2023 | ETS/TP-0144 | 85.0 | 50.2 | 7.7 | 10.2 | 0.94 | | | |
| 19 | 08.05.2023 | ETS/7P-0152 | 91.8 | 52.3 | 73 | 12.9 | C8.0 | | | |
| 20 | 12.05.2023 | ET5/7P-0160 | 86.6 | 49.4 | 7.8 | 9.5 | 0,61 | | | |
| 21 | 15.05.2023 | ETS/TP-0168 | 80,5 | 45.9 | 7.2 | 11,3 | 0.64 | | | |
| 22 | 19.05.2023 | ET5/TP-0176 | 92.3 | 54.5 | 7.4 | 12.0 | 1.02 | | | |
| 23 | 22.05.2023 | E15/TP-0184 | 85.0 | 47.6 | 7.7 | 11.1 | 0.60 | | | |
| 24 | 26.05.2023 | ETS/TP-0192 | 85,9 | 50.7 | 7.7 | 11.2 | 0.94 | | | |
| | | Minimum | 80.4 | 43.6 | 6.4 | 9.5 | 0.51 | | | |
| | | Maximum | 92.3 | 54.5 | 9.1 | 12.9 | 1.02 | | | |
| | | Average | 85.9 | 49.3 | 7.5 | 10,9 | 0.73 | | | |
| | | 98 Percentile | 92.3 | 54.0 | 8.7 | 12.8 | 0.98 | | | |

FOR ENVIRO- TECH SERVICES

End of Test Repo For ENVIRO

Note:-CHECKED BY

1. Test reports without ETSLAB HOLOGRAM are not issued by our laboratory.

2. The results indirated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after is days at report.

6. This lest report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory, lerated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| ENVIRO | O-TECH SERVICES 🛛 🔘 🌾 📖 |
|---|--|
| <u>A</u> N | An Analytical Lubridary ISO 4500 |
| | OVERNMENT APPROVED LAB) |
| | 3.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 |
| email: etslab2012/@gmail.com | Wobsite . www.etsiab.in Ph.: 9911516076-98117.46063 |
| | |
| | TEST REPORT |
| TEST REPORT NO.: ETS/3465-1/04/2023 | 3 DATE OF REPORT 12 04 2023 |
| STACK EMISSIO | IN MONITORING AND ANALYSIS REPORT |
| | |
| Name And Address of Customer | : M/S THE PROMPT ENTERPRISES PVT LTD |
| | VILLAGE DHATIR & DUDHOLA, TEHSIL & DISTRICT PALWAL. HARYANA |
| | : 08.04.2023 |
| Date Of Sampling | : 09.04.2023 |
| Analysis Start Date Analysis End Date | : 12.04.2023 |
| Duration Of Sampling | : 30. MIN |
| Sample IO No. | : 3465-1 |
| Sampling Done By | : ETS STAFF |
| Sampling Method | ETS/STP/ STACK-01 |
| Stack Attached To | : Gas Gen Set |
| Capacity Of Stack | 5 2500 KW |
| Quantity OF Fuel Used | : 520M3/Hrs |
| Type Of Fuel Used | ; P.N.G |
| Stack Height Above Ground | : 30.0 MTR. |
| Stack Dia At The Top | : 400.0 MM |
| Material Of Construction | : M.S. |
| Attached APCS | : |
| D.G. Set Comm. Date | AFTER 01/04/2014 (> 800 KW) |
| Normal Operating Schedule | : AS PER REQUIRMENTS : 40.5 °C |
| Ambient Temperature | : 487.0 ⁴ C |
| Flue Gas Température | |
| Velocity Of Flue Gases Quantity Of Emission Discharged | : 14.5 MTR./SEC. : 6556.32 m ⁵ /hi |

| | No. | | | | (As per CPCB) | | |
|---|-----|------------------------------------|--------------------|------|---------------|-------------------|--|
| | 1 | Particulate Matters (PM al 15% O2) | mg/Nm ^a | 24.2 | 75 | IS-11255 (Part-1) | |
| ļ | 2 | Carbon Monoxide (CO at 15% O2) | mg/Nm³ | 12.6 | 15D | IS: 13270 | |
| | 3 | Sulphur Dioxide,(SO ₂) | mg/Nm³ | 8.0 | Not Specified | IS-11255 (Part-2) | |

Page 1 of 2

CHECKED BY SHRADDHA GUPTA ÷., 5.5

225 AUTHORIZED SIGNATORY

Format No ETSNAB/TR 05. Issue No. 05. Date 01.04.2019. Amd No. 04 Date 01.04 2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

- 2. The results indicated only refer to the tested samples and listed applicable parameters,
- 3. No complaint will be entertained if received after 7 days of issue of test report.

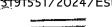
4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biologicai / Perishable sample shall be destroyed immediatys giter issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of taw without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

No. HSPCB-060001(0014)/12/2023-SOLID_WASTE_MANAGEMENT_CELL-HSPCB_(Computer_No._10454 13191551/2024/EStt.Br



ETS-LAB

ENVIRO-TECH SERVICES An Analytical Laboratory



ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etslab.u | Ph.: 9911516076, 9811736063

TEST REPORT

ETS/3465-1/04/2023 TEST REPORT NO.:

DATE OF REPORT. 12.04 2023

STACK EMISSION MONITORING AND ANALYSIS REPORT

| S. No. | Tost Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|-----------|--|--------------------|--------|--------------------------------------|-----------------------|
| | Non Methane Hydro Carbon(NMHC at 15% Oz) | mg/Nm ³ | 34.0 | 100 | ETS/STP/STACK-07 |
| + | Oxides of Nitrogen(NOx asNO2 at 15% O7) | ppmv | 14.0 | 710 | IS-11255 (Part-7) |
| • | | | | **** | d of Test Report***** |

End of Test Report

SHRADDHA GUPTA

Page 2 of 2

For Envir

AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-05. Issue No. 05. Date 01.04.2019, And No. 04 Date 01.04 2019-201 100000

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately Afabissne of test report. 6. This test report shall not be used in any advertising media or as explence in the court of Law without prior written permission of the laboratory. Generated from eoffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | | ENVIRO | | TECH | Ha | Analytical Laboratory | Q () ISO 4 |
|--------------|--------|-----------------------------------|----------------|--------------------------|---------------------------|-----------------------|-----------------------|
| **** | | • | | | | • | 10.4 |
| ETS-LAB | | Plot No. 1/32, S.S. of G. | | | | | |
| A CONTRACTOR | | email : etstab2012@greatl.com | We | DENG : WWW.(| etslab.in | Ph.: 9911548078, 98 | 11/36800 |
| 6035 | | | | | | | |
| A-A-A- | | | • | TEST REF | PORT | | |
| COLOR 1 | EST R | EPORT NO.: ETS/3465-2/04/2023 | | | | DATE OF REPORT: | 12.04.2023 |
| | | STACK EMISSION | JMO | NITORINO | | NALYSIS REPO | RT |
| | | STACK Emission | * 191 \ | | | | ••• |
| 1 | Name | Ind Address of Customer | : | | | ERPRISES PVT LTD | |
| | | | | | IATIR & DU | DHOLA, TEHSIL & DIST | RICT PALWAL |
| | | | | HARYANA. | | | |
| I | Date O | f Sampling | : | 08.04.2023 | - | | |
| | Analys | is Start Date | ; | 09.04.2023 | | | |
| | - | is End Date | ; | 12.04.2023 | | | |
| | | n Of Sampling | : | 30. MIN | | | |
| | | DNo. | : | 3465-2 | | | |
| | - | ng Dòne By | : | ETS STAFF | | | |
| | * | ng Method | : | ETS/STP/ S | | | |
| | - | Attached To | * | Gas Gen Se | t | | |
| | | ty Of Stack | : | 2500 KW | | | |
| | | ty Of Fuel Used | : | 520M3/Hrs | | | |
| | | f Fuel Used | ĩ | P.N.G | | | |
| | | teight Above Ground | : | 30.0 MTR. | | | |
| | | Dia At The Top | : | 400.0 MM | | | |
| | | I Of Construction | ÷ | M,S. | | | |
| | | ed APCS et Comm. Date | i | | ***** | 55 K(M) | |
| | | Comm. Date | : | AFTER 01/0 AS PER REC | 9/2014 (> 8)UIRMENT: | S | |
| | | nt Temperature | : | 40.5 °C | | | |
| | | as Temperature | ; | 487.0 °C | | | |
| | | y Of Flue Gases | : | 13.2 MTR./S | EC. | | |
| | | y Of Emission Discharged | : | 5968.51 m ³ / | | | |
| Ϊ | S. | Test Parameter | ····· | Unit | Result | Specification/Limit | Test Method |
| E . | No. | | | | | (As per CPCB) | |
| | | Particulate Matlers (PM at 15% O. |) | mg/Nm ³ | 28.9 | 75 | IS-11255 (Part-1) |
| | 2 | Carbon Monoxide (CO at 15% Oz) | | mg/Nm ³ | 13.5 | 150 | IS: 13270 |
| | 3 | Sulphur Dioxide, (SQ2) | | mg/Nm ³ | 9.0 | Not Specified | IS-11255 (Part-2) |

CHECKED BY SHRADDHA GUPTA

Page 1 of 2

ŝ

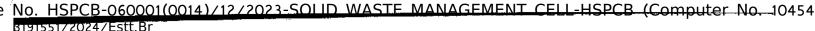
AUTHORIZED SIGNATORY 5 - -

Format No ETS/LAB/TR-05, (ssue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

- 1. Test reports without ETS LAB HOLOGRAM are not issued by mer laboratory.
- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.
- 4. Our liability is limited to invoice value only.
- 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immedia 457after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM





ETS-LAB

ENVIRO-TECH SERVICES An Analytical Laboratory



ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

DATE OF REPORT: 12.04.2023

TEST REPORT NO STACK EMISSION MONITORING AND ANALYSIS REPORT

E1S/3465-2/04/2023

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|-----------|--|--------------------|----------|--------------------------------------|-----------------------|
| ······ | Non Methane Hydro Carbon(NMHC al 15% Oz) | mg/Nm ³ | 41.0 | 100 | ETS/STP/STACK-07 |
| | Oxides of Nitrogen(NOx asNO ₂ at 15% O ₂) | ppmv | 13.0 | 710 | IS-11255 (Part-7) |
| | VALUES OF THE BYCH FOR HER OF THE OTHER | | <u>h</u> | *****En | d of Test Report***** |

ADDHA GUPTA

Page 2 of 2

For service AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04 2019, Amd. No. 04 Date 01.04 2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately 268issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| | | ENVIRO- | RNMENT AP | A. | e Analytical Laboratory | |
|----------------|------------|---|------------------------------|----------|-------------------------|-------------------|
| ETS-LAB | | • | | | • | 564 |
| CID-CHO | | Plot No. 1/32, S.S. of G.T. F email : etslab2012@gmail.com [| | | , , | |
| <u>-2732</u> - | | G≉µnari - Salasoza iz Qigirinan ara j | AACKIGHT STATE | | | |
| E A | | | | | | |
| N LA | | | TEST RE | PORT | | 10.01.000 |
| TES | ST RE | PORT NO.: ET\$/3465-3/04/2023 | | | DATE OF REPORT: | |
| | | STACK EMISSION N | IONITORIN | g and a | NALYSIS REPO | RT |
| ži na | me * | and Address of Customer | : M/S THE PE | OMPT FNT | ERPRISES PVT LTD | |
| 1947 | | xx top 7 xxt widows ws words with the | | | DITOLA, TEHSIL & DIST | RICT PALWAL |
| | | | HARYANA. | | | |
| Dat | le Of | Sampling | : 08.04.2023 | | | |
| | | s Start Date | : 09.04.2023 | | | |
| An | alysi | s End Date | : 12.04 2023 | | | |
| | | n Of Sampling | : 30. MIN | | | |
| | * | ID No. | : 3465-3 | | | |
| | - | ng Done By | : ETS STAFF | | | |
| | • | ng Method Mached To | : ETS/STP/ S : Gas Gen Se | | | |
| | | y Of Stack | : 2500 KW | 7 L | | |
| | | y Of Fuel Used | : 520M3/H/s | | | |
| | | Fuel Used | P.N.G | | | |
| • • | | leight Above Ground | : 30.0 MTR | | | |
| Sta | ick C | la At The Top | : 400.0 MM | | | |
| | | l Of Construction | : M.S | | | |
| | | IN APCS | : ACOUSTIC | | | |
| | | t Comm. Date Operating Schedule | : AFTER 01/C | | | |
| | | t Temperature | : 40.5 °C | C | 5 | |
| | | s Temperature | : 487.0 °C | | | |
| | | y Of Flue Gases | : 13.9 MTR /S | EC. | | |
| | | y Of Emission Discharged | : 6285.02 m ³ | 10 | | |
| S | .] | Test Parameter | Unit | Result | Specification/Limit | Test Method |
| N | D. | | | | (As per CPCB) | |
| 1 | | Particulate Matters (PM at 15% O2) | mg/Nm ³ | 26.5 | 75 | IS-11255 (Part-1) |
| 2 | | Carbon Monoxide (CO at 15% Oz) | mg/Nm ³ | 14.8 | 150 | IS: 13270 |
| 3 | ,, | Sulphur Dioxide.(SO ₂) | mg/Nm ³ | 7.0 | Not Specified | IS-11255 (Part-2) |



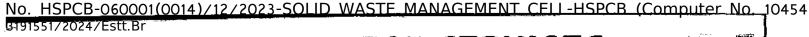
Page 1 of 2

For Linnin AUTHORIZED SIGNATORY helland,

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, And No. 04 Date 01 04.2019

Note:-

- 1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.
- 4. Our liability is fimited to invoice value only.
- 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used to any advertising media or as evidence in the court of Law without prior written permission of the laboratory.



ENVIRO-TECH SERVICES An Analytical Luboratory



ISO 45001



Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email::etslab2012@gmail.com | Website::www.etslab.in | Ph.: 9911516076, 9811736063



ETS-LAB

TEST REPORT

DATE OF REPORT 12 04 2023

TEST REPORT NO.: ETS/3465-3/04/2023

STACK EMISSION MONITORING AND ANALYSIS REPORT

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|-----------|--|--------------------|--------|--------------------------------------|-----------------------|
| 4 | Non Methane Hydro Carbon(NMHC at 15% O.) | mg/Nm ³ | 38.0 | 100 | ETS/STP/STACK-07 |
| 5 | Oxides of Nitrogen(NOx asNO ₂ at 15% O ₂) | ppmv | 12.0 | 710 | (S-11255 (Part-7) |
| | | | | *****En | d of Test Report***** |

SHRÂDDHA GUPTA

Page 2 of 2

e Saa AUTHORIZED SIGNATORY

Format No ETS/LAB/TR-05. Issue No. 05. Date 01.04.2019, Amd. No. 04 Date 01.04 2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Peristiable sample shall be destroyed immediately ale Pissue of test report. Generated Fights Course is all sature stations of the laboratory.

| AR | | ENVIN | | 11 41 | ERVICE. An Analytical Labora | lanu |
|---------------|------------|--|---------------------------------|---------------|--|--|
| <u>(21100</u> | - | (A G | OVERNMENT. | APPROVE | / | ISO 4 |
| ETS-LA | | Plot No. 1/32, S.S. of (| | | | |
| <u>ees</u> | | email : eislab2012@gmail.con | 1 Wobsite : ws | vw.etslab,tr | r Ph.: 9911516076. | . 9811736063 |
| E F | | | | | | |
| | | | TEST R | EPORT | | |
| | TEST R | EPORT NO ETS/3465-7/04/202 | 23 | | DATE OF REPORT: | 12.04.2023 |
| | | STACK EMISSIO | N MONITORI | NG AND | ANALYSIS REP | ORT |
| | Name | And Address of Customer | | | ERPRISES PVT LTD | |
| | | | VILLAGE DI HARYANA. | ATIR & DU | DHOLA, TEHSIL & DIST | RICT PALWAL, |
| | Date C | If Sampling | : 08.04 2023 | | | |
| | | sis Start Date | ; 09.04 2023 | | | |
| | * | sis End Date | : 12.04.2023 | | | |
| | | on Of Sampling | ; 30. MIN : 3465-7 | | | |
| | | e ID No. | : 5466-7 : ETS STAFF | | | |
| | | ing Done By Ing Method | : ETS/STP/ S | | | |
| | - | Attached To | : BOILER | | | |
| | | ity Of Stack | : STON | | | |
| | - | ity Of Fuel Used | : 98 m3/h | | | |
| | | Of Fuel Used | : LPG | | | |
| | | Height Above Ground | : 20.0 MTR. | | | |
| | | Dia At The Top | : 500.0 MM | | | |
| | | al Of Construction led APCS | : M.S. | | | |
| | | al Operating Schedule | NORMAL | | | |
| | Ambie | nt Temperature | : 38.0 °C | | | |
| | | as Temperature | : 280.0 °C | | | |
| | | ty Of Flue Gases | : 28.0 MTR./S | | | |
| | | ity Of Emission Discharged | : 19782.00 m | | | |
| | S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
| | . 1 | Particulate Matters (PM) | [†] mg/Nm ³ | 25.6 | *50 | IS-11255 (Part-1) |
| 3 | 2 | Solphur Dioxide.(SO)) | mg/Nm ³ | 9.4 | <u>600</u> | IS-11255 (Part-2) |
| | 3 | Oxde of Nitrogen (NOX as NO ₂) | mg/Nm ³ | 13.2 | 600 | IS-11255 (Part-7) |
| | 4 | Carbon Monoxide (CO) | %v/v | 343 | t | IS. 13270: 2008 |
| | Š | Carbon Dioxede.(CO ₃) | | 174 | Not Specified | IS. 13270: 2008 |
| | 6 | Oxygen (O2) | %v/v | 17.5 | Not Specified | IS-13270-2005 IS-11255 (Part-5): 1990 |
| | 7 | Fluorsde(F) | mg/Nm³ | < 0.05 | 25 | retf 2019 |
| | 8 | | mg/Nm ³ | < 0.05 | 10 | USEPA-6010D |
| | | • A ` | | | | End of Test Report***** |
| | | Ar | Page | 1 of 2 | For Each | > |
| I | CHEC | KEDBY | _ | | - market and the second s | John Marine |
| . • | SHRA | DDHA GUPTA | | | AUTH | ORIZED SIGNATORY |
| | * r | Format No ETS/LAB/ | fR-05, Issue No. 06, Da | te 01 04 2019 | Amd No. 04 Date 01.04.2019 | - / Charge |
| | | | | | | ·*· . i · |

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our Hability is limited to invoice value only.

5. The sample shalf be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediate hfter issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No.-10454 13191551/2024/Estt.Br

ENVIRO-TECH SERVICES An Analytical Laboratory



ISO 45001

(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

DATE OF REPORT: 12 04.2023

ETS/3465-7/04/2023 TEST REPORT NO .:

ETS-LAB

STACK EMISSION MONITORING AND ANALYSIS REPORT

| S. | - 1 | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|---------|---------|----------------|--------|--------|---|------------------|
| NO v | Mercury | (Hg) | mg/Nm° | < 0.05 | Contraction of the second s | ETS/STP/STACK-08 |

*****End of Test Report*****



Page 2 of 2

For Enve AUTHORIZED SIGNATORY 100 Mai

Format No ETS/LAB/TR-05, Issue No. 05, Date 01 04.2019, Amd. No. 04 Date 01 04 2019

Note --

I. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.

2. The results indicated only refer to the tested samples and listed applicable parameters.

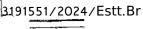
3. No complaint will be entertained if received after 7 days of issue af test report.

4. Our Bubility is fimited to invoice value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately 462 rissue of test report. Generated The source of the structure energy of the source
| ETS-LAB Plot No | A GOVER) 1/32, S.S. of G.T. Ro | ad Indu | strial Area | , Ghaziabad (U.P.) - | 201001 |
|---|--|-----------------------------|-----------------|--|------------------------|
| email : etsteuk | 012@gmateon We | abade i <mark>v</mark> | ww.etslab. | n Ph.: 9911516076 | 5. 9811736063 |
| | - | | | | |
| | | IESIF | REPORT | | |
| TEST REPORT NO. | ETS/3465-8/04/2023 | | | DATE OF REPORT | 12.04 2023 |
| STAC | CK EMISSION MO | NITOR | ING ANI | D ANALYSIS REF | PORT |
| Name And Address of | | | | TERPRISES PVT LTD | |
| | | LLAGE D ARYANA | | JDHOLA, TEHSIL & DIS | TRICT PALWAL, |
| Date Of Sampling | | 1.04.2023 | | | |
| Analysis Start Date | | 04.2023 | | | |
| Analysis End Date | : 12 | 04.2023 | | * | |
| Duration Of Sampling | : 30 |). MIN | | | |
| Sample ID No. | : 34 | 65-8 | | | |
| Sampling Done By | | IS STAFF | | | |
| Sampling Method | | | TACK-01 | | |
| Stack Attached To Capacity Of Stack | | DILER TON | | | |
| Quantity Of Fuel Used | | i m3/h | | | |
| Type Of Fuel Used | : Pi | | | | |
| Stack Height Above G | | OMTR. | | | |
| Stack Dia At The Top | | 0.0 MM | | | |
| Material Of Construction | ön ; M. | S. | | | |
| Attached APCS | ÷ | | | | |
| Normal Operating Sch | edule : NC | DRMAL | | | |
| Ambient Temperature Flue Gas Temperature | | 0°C 00°C | | | |
| Velocity Of Flue Gases | | .0 MTR./S | 200 | | |
| Quantity Of Emission (| | 399.68 m | | | |
| | Parameter | Unit | Result | | P= |
| No. | | | NONUL | Specification/Limit (As per CPCB) | Test Method |
| 1 Parkulate Martona. | the second s | ng/Nm³ | 297 | 150 | IS-11255 (Pan-1) |
| 2 Su phur Diexide (St | 0,1 <u>i</u> n | ng/Nm ³ | 9.8 | 600 | IS-11255 (Part 2) |
| 3 Oxide of Nitrogen, (1 | | ng/Nm ³ | 14 7 | 600 | IS-11255 (Fan.7) |
| 4 Carbon Monowde ((| | %v/v | 0.45 | | IS :3270 2008 |
| 5 Carbon Dioxide, (CC |);} | %v/v | 1.23 | No: Specified | 15 13276. 2008 |
| 6 Oxygen (O2) | | %wiv | 16.5 | Not Spocified | IS: 13270-2008 |
| 7 Fluctide(F) | n | `9∕Nm¹ | < 0.05 | 25 | IS-11255 (Part 5) 1990 |
| N Lead (Pb) | | • 9/N m ³ | < 0.05 | 1.0 | USEPA-6010D |
| | | | | ************************************** | End of Test Report**** |
| 1 A 2 1 | | - | | | |
| CHECKED BY | | Page 1 | of 2 | Correction A. | |
| SHRADDHA GUPTA | | | | | - Jannes |
| in the second | MTRING ETSA ARARIA.05 ING ING | NO OR ()-1 | 0.01.07 5640 | AUTH | DRIZED SIGNATORY |
| | ита: No ETS/LA9/1R-05, Issue | nv. us uaķ | e o i 04 2019 7 | vinc. No. 04 Date 01 04 2019 | |
| | | | | | F . |
| | | | | | |

6. This text report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory. Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

No. HSPCB-060001(0014)/12/2023 SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454



ENVIRO-TECH SERVICES

ISO 45001

(A GOVERNMENT APPROVED LAB)

}

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email: etslab2012@gmail.com | Website: www.etslab in | Ph.: 9911516076, 9811736063

TEST REPORT



TEST REPORT NO.: ETS/3465-8/04/2023

DATE OF REPORT: 12.04.2023

STACK EMISSION MONITORING AND ANALYSIS REPORT

| S. No. | Test Parameter | Unit | Result | Specification/Limit (As per CPCB) | Test Method |
|-----------|----------------|--------|--------|--------------------------------------|------------------|
| ţ | Mercury (Hg) | mg/Nm³ | < 0.05 | 0.2 | ETS/STP/STACK-08 |

******End of Test Report*****

СНЕСКВО

Page 2 of 2

AUTHORIZED

Format No ETS/LAG/TR-05, Issue No. 05, Date 01.04 2019, Amd. No. 04 Date 01.04 2019

Nofe:-

- 1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.
- 4. Our liability is limited to invoice value only.
- 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| (AC | OVERNMENT AP | | lyticst Asboratory | ISO 45 |
|---|------------------------------|------------------|-----------------------------------|---------|
| FTS-LAB Plot No. 1/32, S.S. of | | · · · · · | | |
| email: etslab2012@gmail.com | | | | |
| <u></u> | | | | |
| | | | | |
| | | | | |
| | | | | |
| | TEST RE | PORT | | |
| TEST REPORT NO.: ETS/2125/08/2023 | URLNO TC87712 | 13000002126F ISA | TE OF REPORT: 14.08.202 | 22 |
| | | | | 23 |
| STACK EMISSION | | | | |
| Name And Address of Customer | | | HEETS AND STEEL PIPE | |
| · · · · · | | FRICT PALWAL, I | TD. VILLAGE DHATIR & I HARYANA | JOOHOLA |
| Date Of Sampling | : 11 08 2023 | ., | | |
| Analysis Start Date | : 12 08 2023 | | | |
| Analysis End Date | : 14 08.2023 | | | |
| Duration Of Sampling | : 30.0 MIN | | | |
| Sample ID No. | : | | | |
| Sampling Done By | : ETS STAFF | | | |
| Sampling Method | : ETS/STP/STACK-01 | | | |
| Stack Attached To | : ACID FUMES I | PICKLING | | |
| Capacity Of Stack | : | | | |
| Quantity Of Fuel Used | | | | |
| Type Of Fuel Used | | | | |
| Stack Height Above Ground | : 30.0 MTR. : 400.0 MM | | | |
| Stack Dia At The Top | : 4002.0 WIN | | | |
| Material Of Construction Attached APCS | ••• | | | |
| Normal Operating Schedule | AS PER REQUIREMENTS | | | |
| Ambient Temperature | : 36.0 °C | | | |
| Flue Gas Temperature | : 113.0 °C | | | |
| Velocity Of Flue Gases | : 11.8 MTR./SEC. | | | |
| Quantity Of Emission Discharged | : 5335.48 m ³ /hr | | | |
| S. Test Paramoter | Unit | Result | Test Method | |
| No, I Acid Mist (HCL) | mg/Nm ³ | <0.02 | Volumetric Method | |
| | | - tr' to to to | | |
| | | | | |
| | | | | |

Page 1 of 1

TORY ALIPHORIZE

I

1

Format No ETS/LAB/TR-01, Issue No. 06, Date 01 05 2022, Amd. No. 05 Date 01 05 2022

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by nor hiboratory.

2. The results indicated only refer to the texted samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

4. Our liability is limited to involce value only.

IDHA GUPTA

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

6. This test report shall not be used in any advertising media or as evidence in the court of Law without priceofitten permission of the laboratory.

| ALA TS-LAB | A) | RO-TECH SERVICES An Analytical Baboratory A GOVERNMENT APPROVED LAB) of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 | | | | |
|---------------|-------------------------------------|---|--------------------|---|-------|--|
| | FIOL NO. 1/32, 5.S. (| of G.T. Road Indust | rial Area, Ghaziat | oad (U.P.) - 201001 | | |
| | emall : etsfab2012@gmail.c | om Website: ww | w.etslab.in Ph. | 9911536076, 9811736063 | | |
| | | | | n na kanala nijeren na serieta na proposo na kanala na proposo na proba kana na proposo na kana na proposo na k | | |
| | | TEST RE | PORT | | | |
| TEST R | EPORT NO.: ETS/2126/08/202 | 3 URLNO.TC877 | 123000002126F DA | TE OF REPORT: 14.08.2023 | | |
| | STACK EMISSIC | N MONITORIA | IG AND ANA | VSIS PEDODT | | |
| Name / | And Address of Customer | : MANUFACTU PROMPT EN | JRING OF CRCA S | HEETS AND STEEL PIPES TD. VILLAGE DHATIR & DUDHI | OLA. | |
| Date Of | f Sampling | : 11.08.2023 | | | | |
| Analysi | is Start Date | : 12.08.2023 | | | | |
| Analysi | is End Date | : 14.08.2023 | | | | |
| Duratio | n Of Sampling | : 30.0 M/N | | | | |
| Sample | ID No. | : 2126 | | | | |
| Samplii | ng Done By | : ETS STAFF | | | | |
| - | ng Method | : ETS/STP/ST/ | | | | |
| | Attached To | : ACID FUMES | PICKLING | | | |
| - | ty Of Stack | یف ان ب | | | | |
| | y Of Fuel Used | • | | | | |
| | f Fuel Used | ; | | | | |
| | leight Above Ground | : 30.0 MTR. | | | | |
| | lia At The Top I Of Construction | : 400.0 MM | | | | |
| | d APCS | • • • | | | | |
| | Operating Schedule | : AS PER REQ | | | | |
| | t Temperature | : 36.0 °C | vn v⊏'ssir" (s I ở | | | |
| | s Temperature | : 108.0 °C | | | | |
| | Of Flue Gases | : 12.3 MTR./SE | C. | | | |
| - | y Of Emission Discharged | : 5561 56 m ³ /hr | | | | |
| S. | Test Parameter | Unit | Result | Test Method | | |
| | Acid Mist (HCL) | | | | | |
| ì | rive mischich | mg/Nm ³ | <0.02 | Volumetric Method | ····· | |



Page 1 of 1

For Enviro-Tccin Services AUTHO ORY

Format No ETS/LAB/TR-01, Issue No. 06, Date 01 05 2022, Amd. No. 05 Date 01.05.2022

Note:-

1

- 1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
- 2. The results indicated only refer to the tested samples and listed applicable parameters.
- 3. No complaint will be entertained if received after 7 days of issue of test report.
- 4. Our flability is limited to invoice value only.
- 5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report. 6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written fermission of the laboratory.

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM

| ETS-LAB Piot No. 1/32, S.S. of G cmail : etslab2012:@gmail.com TEST REPORT NO.: | OVERNMENT APPROVED LAB) ISO 458 S.T. Road Industrial Area, Ghaziabad (U.P.) - 201001 Image: URLNO.TC877123000002127F Ph. 9911516076, 9811735063 TEST REPORT URLNO.TC877123000002127F DATE OF REPORT: 14.08.2023 | | | | |
|---|---|--|--|--|--|
| TEST REPORT NO.: ETS/2127/08/2023 STACK EMISSION | Website . www.etslab.iv Pn. 9911516076, 9811735063 | | | | |
| STACK EMISSION | | | | | |
| STACK EMISSION | | | | | |
| STACK EMISSION | | | | | |
| STACK EMISSION | URLNO.TC877123000002127F DATE OF REPORT: 14.08.2023 | | | | |
| STACK EMISSION Name And Address of Customer | · · · · · · · · · · · · · · · · · · · | | | | |
| Name And Address of Customer | MONITORING AND ANALYSIS REPORT | | | | |
| | : MANUFACTURING OF CRCA SHEETS AND STEEL PIPES | | | | |
| | PROMPT ENTERPRISES PVT LTD. VILLAGE DHATIR & DUDHOLA, | | | | |
| | TEHSIL & DISTRICT PALWAL, HARYANA | | | | |
| Date Of Sampling | : 11.08.2023 | | | | |
| Analysis Start Date | : 12.08.2023 | | | | |
| Analysis End Date | : 14.08.2023 | | | | |
| Duration Of Sampling | : 30.0 MIN | | | | |
| Sample ID No. | : 2127 | | | | |
| Sampling Done By | : ETS STAFF : ETS/STP/STACK-01 : ACID FUMES PICKLING : | | | | |
| Sampling Method | | | | | |
| Stack Attached To | | | | | |
| Capacity Of Stack | | | | | |
| Quantity Of Fuel Used | ; | | | | |
| Type Of Fuel Used | ÷ ••• | | | | |
| Stack Height Above Ground | 20.0 MTR. 400.0 MM | | | | |
| Stack Dia At The Top | | | | | |
| Material Of Construction | š | | | | |
| Attached APCS | : AS PER REQUIREMENTS | | | | |
| Normal Operating Schedule | | | | | |
| Ambient Temperature | : 36.0 °C | | | | |
| Flue Gas Temperature | : 120,0 °C | | | | |
| Velocity Of Flue Gases | : 12.7 MTR /SEC. | | | | |
| | | | | | |
| Quantity Of Emission Discharged | : 5742.42 m³/hr | | | | |
| | Unit Result Test Method | | | | |

CHECKED BY SHEADDHA CUPTA

Page 1 of 1

For Enviro-I **迄**们vices

TA AUTHORIZED SIGNATORY Format No ETSAAB/TR-01, Issue No. 06, Date 01.05.2022, And. No. 05 Date 01.05.2022 Lab In-charge

Noters

I. Test reports without ETN LAB HOLOGRAM are not issued by our laboratory.

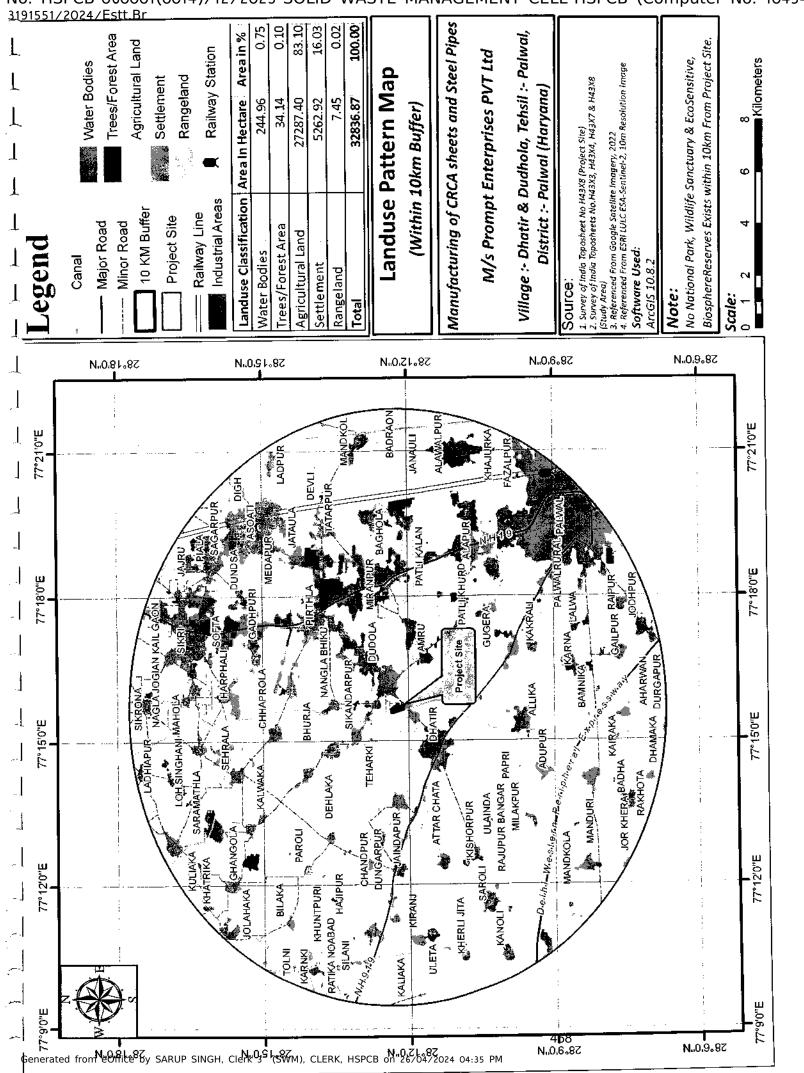
2. The results indicated only refer to the tested samples and listed applicable parameters.

3. No complaint will be entertained if received after 7 days of issue of test report.

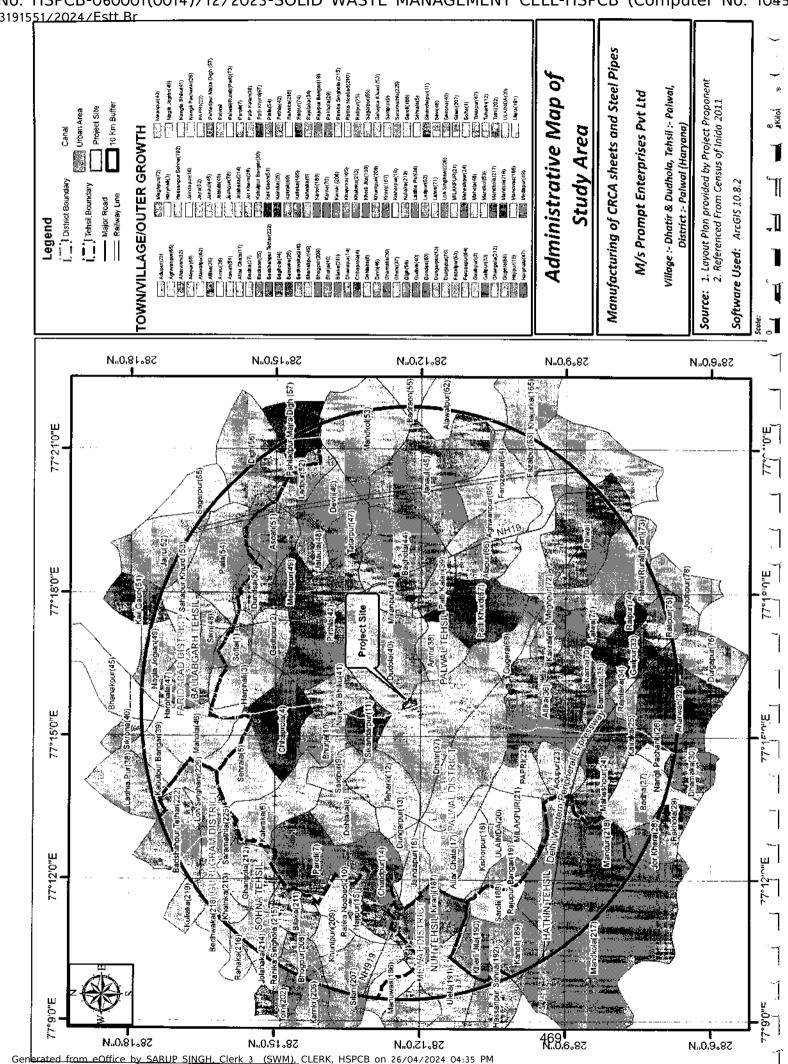
4. Our liability is limited to involce value only.

5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.

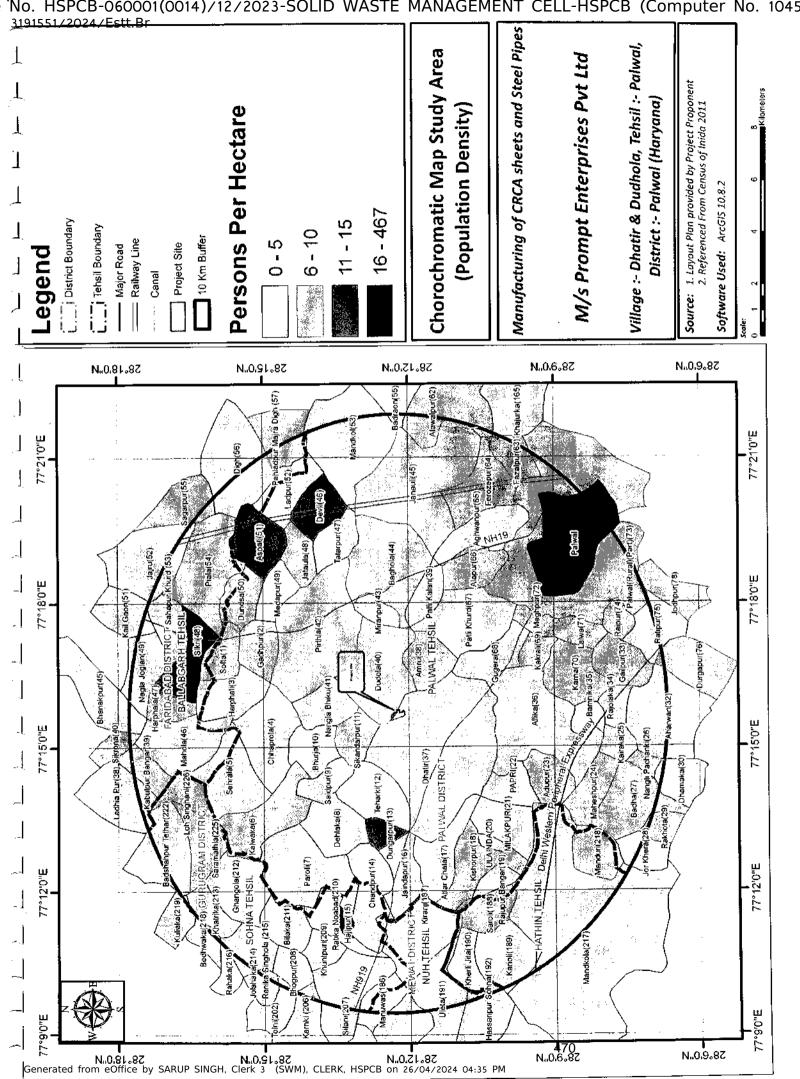
6. This test report shall not be used in any advertising media or as evidence in the court of Law without priozi67ticn permission of the laboratory.



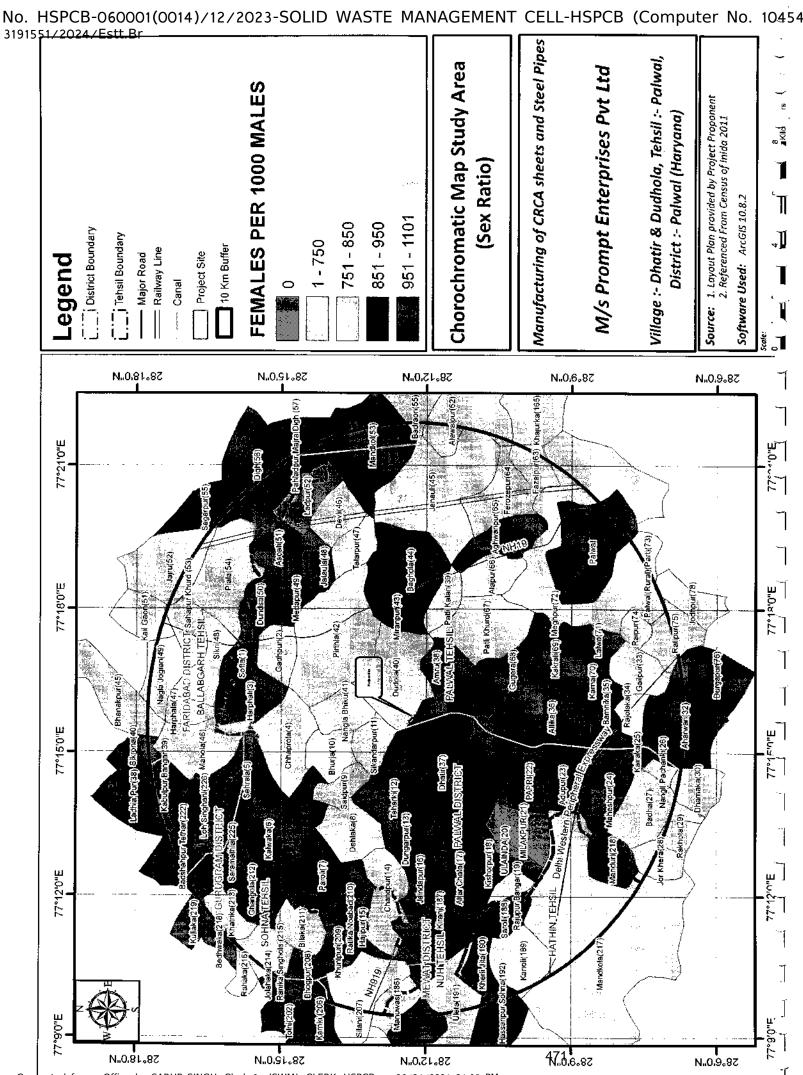
No. HSPCB-060001(0014)/12/2023 CELL-HSPCB (Computer No. 10454 MANAGEMENT STE



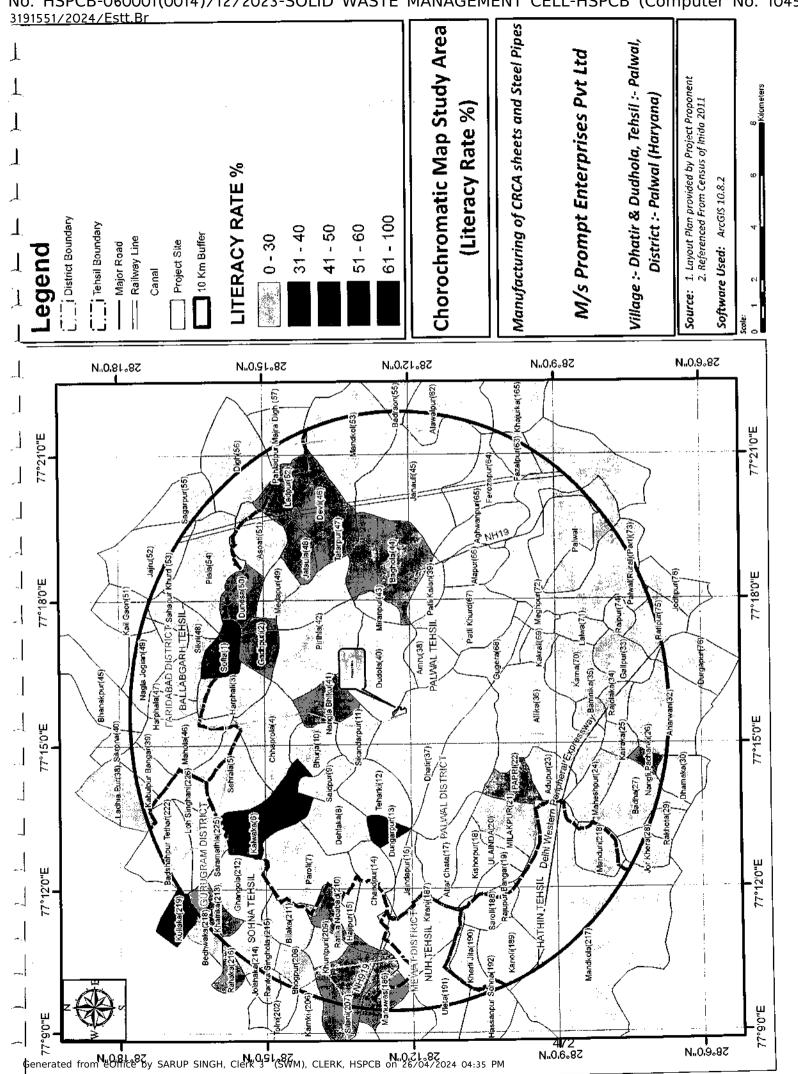
No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 31915<u>51/2024/Estt Br</u>



No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454



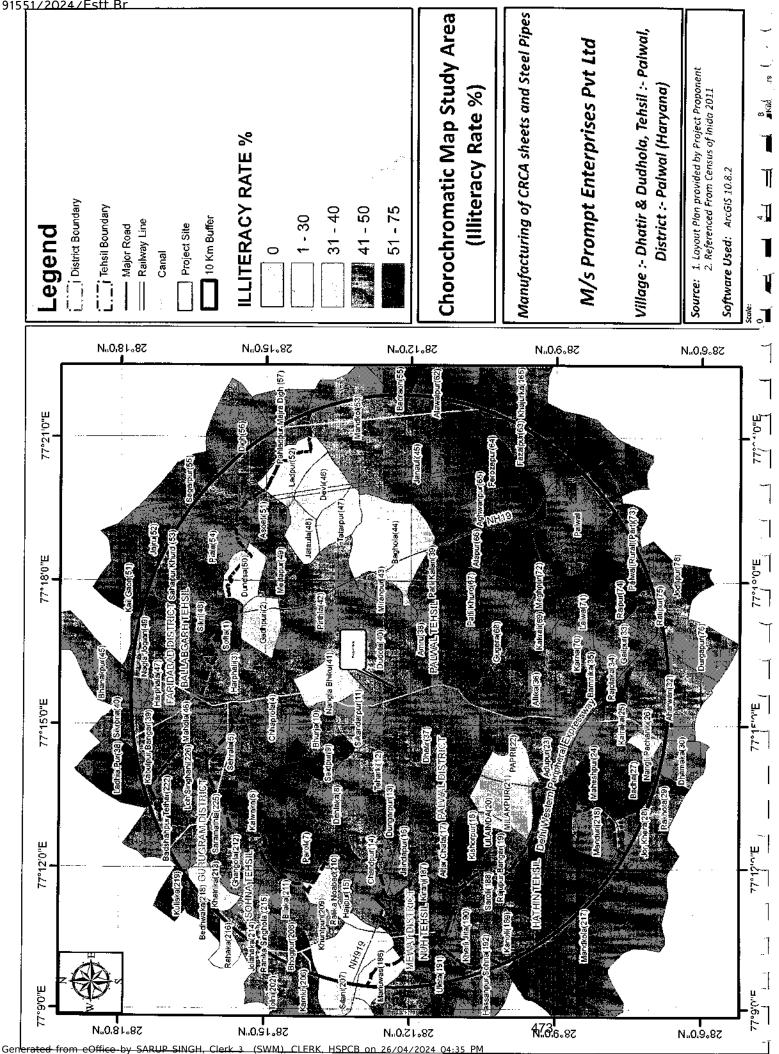
Generated from eOffice by SARUP SINGH, Clerk 3. (SWM), CLERK, HSPCB on 26/04/2024 04:35. PM

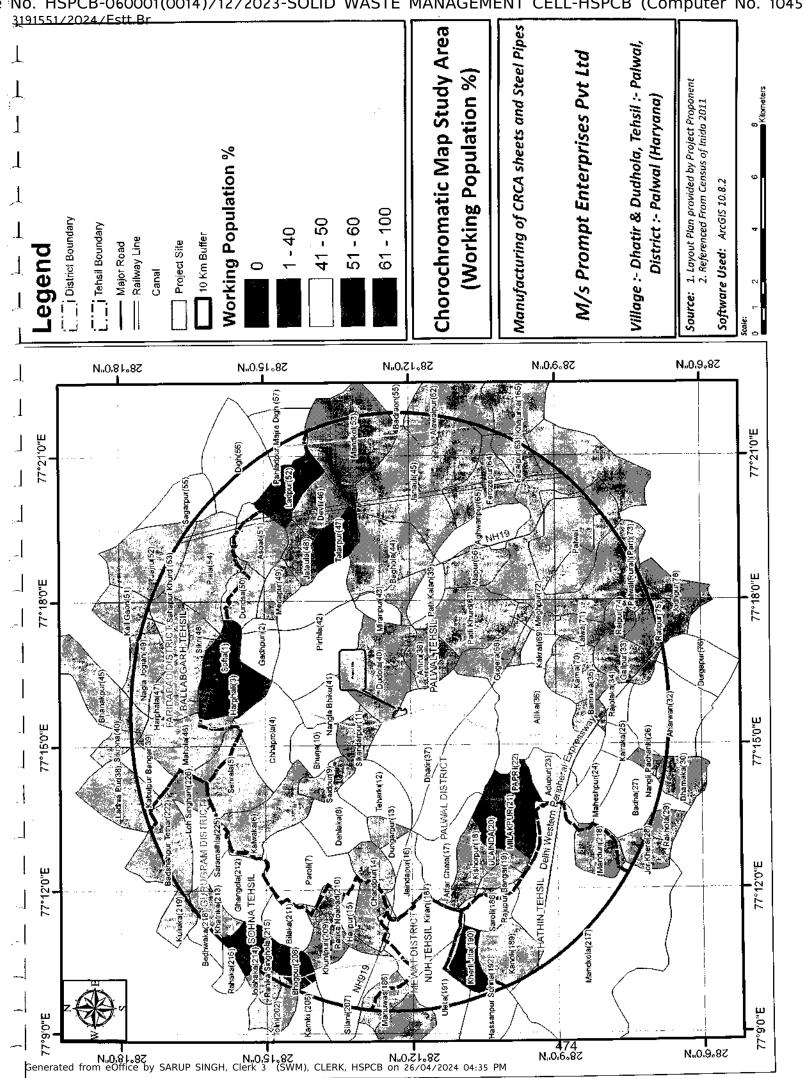


No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454



No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt Br





No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

Application no. :19948145 Industry id: 16PAL3163283 Date: 13/08/2022

Haryana State Pollution Control Board

Ist Floor, Phagna Tower, ward no 10, National Highway No.2, Near red Rocks Cinema, Palwal. Email:- hspcbropal@gmail.com



No. :HWM/PAL/2022/19948145

DT: 13/08/2022

То

M/s PROMPT ENTERPRISES PVT LTD Village Dhatir, Palwal Palwal

Sub: Grant of Authorization under Hazardous and Other Wastes(Management & Transboundry Movement) Rules, 2016

- 1. Reference of application:19948145 dated: 13/08/2022
- 2. MUKESH GARG of PROMPT ENTERPRISES PVT LTD is hereby granted an authorization for generation, storage on the premises situated at Village Dhatir, Palwal

Details of Authorization

| S.No. | Name of process and Category of Hazardous Waste as per the Schedules I, II and III of these rules | Authorised mode of disposal or recycling or utilisation or co-processing, etc. | Quantity | |
|-------|---|--|--------------------------------------|--|
| 1 | Industrial operations using mineral/synthetic oil as lubricant in hydraulic systems or other applications, Used/spent oil | | 0.2 KL/Annu m 30 T/Annum | |
| 2 | Purification and treatment of exhaust air, water and waste water from the treatment plants (CETP's), Chemical sludge from waste water treatment | | | |

1

- 1. The authorization shall be valid for a period of 01/10/2022 to 30/09/2023
- 2. The authorization is subject to the following general and specific conditions :-

475

Application no. :19948145 Industry id: 16PAL3163283 Date: 13/08/2022

1. unit will provide proper sampling arrangements on their emission Sources and stacks as (i) applicable. 2. unit will mentioned adequate acoustic enclosures/chambers on their DG SETS with proper stack height as per prescribed norms and meet the prescribed standards under EP Rules, 1986. 3. unit will comply all the provisions of HOWM Rules, 2016, E-waste Rules, PWM Rules and BMW Rules etc. 4. unit will obtain prior NOC/Permission from central Ground Water Authority in case under ground water resource is used. 5. unit will submit the Annual Report under HOWM Rules by 30th June every year. 6. Unit will not dump or disposed off any hazardous waste outside the premises unscientifically and on unauthorized site. Unit will dispose off their hazardous waste only to authorized by SPCB/CPCB service provider / agency and will submit report to this office as per HOWM Rules 2016. 7. Unit will generate / store hazardous waste inside the premises of the unit as per mentioned in Rules of HOWM Rules, 2016. 8. Unit will not use percoke and furnace oil as a fuel in boiler or any other activities without prior permission from HSPCB, CPCB, MOEF & CC, all concerned tribunals /authorities/ commissions, Hon'ble NGT New Delhi , Hon'ble Supreme Court of India. 9. Unit will comply the guidelines on Environment Management of Construction & Demolition Waste in March, 2017 issued by CPCB. 10. The unit will all the directions issued time to time by SPCB, CPCB, MOEF and other State / Central Government Agencies. 11. That in case any additional charges / fees / penalty etc. are found payable towards this authorization as per audit then the same shall be paid by the unit without any objection immediately as and when demanded by this office. 12. If at any stage found that unit was involved in any past violation regarding Environment Laws / Rules / Acts then CTO/CTE/authorization so granted shall be revoked automatically & legal action will be initiate against the project proponent. 13. That this authorization will not provide any immunity from any other Act/Rules/Regulations applicable to the project/land in question. 14. Unit will install display board at main gate of industry as per specifications of HOWM rules, 15. Unit will dispose off their waste/spent oil of DG sets only to authorized recyclers by the HSPCB 16. Unit will comply all the Act/Rules/Notification/Directions i.e. HOWM Rules, E-waste Rules , PMW Rules, BMW Rules, Battery Rules and MSW Rules etc 17. Unit will also maintain good housekeeping. 18. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc. 19. Stack emission level should be stringent than the existing standards in terms of the identified critical pollutants. 20. Unit will maintain AQI level in the premises of the industry as per Ambient Air Quality Standards. 21. Unit will try to change fuel from Wood to cleaner fuels namely natural gas (PNG/CNG), liquefied petroleum gas, bio gas, propane, butane etc. 22. The unit will obtain all necessary clearances from the concerned authorities and will adhere to all the applicable Environmental Laws/Acts/Notification regularly. In case of any violation found at any stage, this authorization under HOWM Rules deemed revoked. 23. Unit will submit copy of previous authorization under HOWM Rules 24. Unit will submit the compliance report of above mentioned conditions within 30 days failing which this authorization under HOWM rules will be revoked and legal action will be initiate against the unit.

> Regional Officer Palwal For Haryana State Pollution Control Board

Conditions of Authorization:

- 1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- 2. The authorization or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
- 3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization.

476

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

Application no. :19948145 Industry id: 16PAL3163283 Date: 13/08/2022

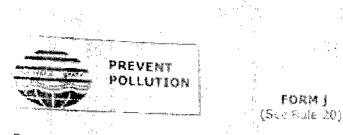
- 4. Any unauthorised change is personnel equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of this authorization.
- 5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
- 6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".
- 7. An application for the renewal of an authorization shall be made as laid down under these Rules.
- 8. Any other conditions for compliance as per the guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time.
- 9. Annual return shall be filed by June 30 th for the period ensuring 31 st March of the year.
- 10 It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.

Regional Officer Palwal For Haryana State Pollution Control Board

477

No. HSPCB-060001(0014)/12/2023-SOLID WASTE MANAGEMENT CELL-HSPCB (Computer No. 10454 3191551/2024/Estt.Br

49



Report No :-134

, , , , ,

Dated-July 12, 2022

1. hereby, certify that I Narender Hooda as Guard Analyst, duly appointed under sub-section (1) of section 53 of Water (Prevention and control of Pollution) Act, 1974(6 of 1974) received on the 05" day of July, 2022 from Sh. Randeep Sindhu AEE, a sample of read trade offluent of M/s Promot Enterprises Pvt. Ltd., Village-Dhatir, Palwal, collected on 04.07.2022 from the Inlet & Outlet of ETP for analysis. The Sample was ma -condition fit for analysis reported below:-

- 1 further certify that I have analyzed the afore-ment above sample on 05/07/2022-to 17/07/2022 and decist?" The result of analysis to be as follow:-

| Sr. No | | Parameter | Tinlet of | Outlet of | Prescribed | Method of Testing |
|----------|-------|--|--------------------|----------------------------|--|-------------------------------------|
| 1, | | | Cight Greenisti | Shq ⁱ u Hazy | | As per relevant parts of |
| 2 | •••• | Odeur | Pungent | No Smell | | 15:2498(Part-V) [and Standard |
| - 3. | | na n | 3.4 | 7.2 | 6.0-9.0 | Methods for the i |
| 4 | | Conductivity µS/cm | 7920 | 2450 | ······································ | Examination of water and waste : |
| 5 | | Total Suspended Solids mg/. | i (ni | 38 | 100 | water APHA(23 ¹⁰ |
| 6 | | Oil & Grease mg/1 | 17 | 601 | 10 | edition) |
| 7 | _ | Uren as fe mo/l | , . <u>.</u> | 0 7 | | |
| <u> </u> | ••••• | Total Metal mg/ | : | 0.7 | 10 | |

The condition of the seals, fostening and container of a long was as follow:

E. Container had its sends found intact in order, she is the runtainer had the signature of the representative of the industry and the board representative.

Signed this on 12" day of July, 2022

ation in the second second second

Тο

Laboratory of the maryana State Pollution Control Board

Sector 16 A, Faridabad

The Momber Secretary

Haryana State Pollution Control Houro C-11, Sector -6, Panchkula (huryana)

This test report relate only to the particular sumple submitted for testing

Boauð

'Ann iv

Generated from eOffice by SARUP SINGH, Clerk 3 (SWM), CLERK, HSPCB on 26/04/2024 04:35 PM