

I/79216/2021

**HARYANA STATE POLLUTION CONTROL BOARD**

C-11, SECTOR-6, PANCHKULA

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HSPCB

Date:-01/12/2021

To

1. The Secretary, Government of India,
Ministry of Jal Shakti, Department of Water Resources,
River Development & Ganga Rejuvenation,
Shram Shakti Bhawan, Rafi Marg,
New Delhi.
2. The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan, East Arjun Nagar,
New Delhi.

Sub:- Monthly progress Report by State of Haryana regarding Ghaggar and Yamuna Action Plan for the month of October,2021.

Sir,

Kindly refer to the subject noted above.

In this connection, it is intimated that there are two polluted river stretches in the State of Haryana i.e. river Ghaggar and Yamuna. I have been directed to enclose herewith the progress report of Ghaggar and Yamuna Action Plan of Haryana for the month of October,2021 on the prescribed format for your kind information and necessary action please.

DA/ As above

**Sr. Env. Engineer(HQ)
For Member Secretary**

National Mission for Clean Ganga
Format for submission of Monthly Progress Report in the NGT Matter OA No.
673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of Haryana
Upto October, 2021

Overall status of the State:

I. Total Population: Urban Population & Rural Population separately

- ✓ Ghaggar catchment
Urban Population – 26.9 lacs.

- Yamuna catchment
Urban Population – 73.4 lacs.

- ❖ Other areas-
Urban Population- 11.2 lacs

II. Estimated Sewage Generation (MLD):

- ✓ Ghaggar catchment
291.46 MLD sewage generation

- Yamuna catchment
1086 MLD sewage generation

- ❖ Other areas-
117.5 MLD

III. Details of Sewage Treatment Plant:

• Existing no. of STPs and Treatment Capacity (in MLD):

- ✓ Ghaggar
62 STPs of treatment capacity of 535 MLD

- Yamuna
59 STPs of treatment capacity of 1074.2 MLD

- ❖ Other areas-
35 STPs of treatment capacity of 225 MLD.

• Capacity Utilization of existing STPs:

- ✓ Ghaggar
295.7 MLD effluent reaching STPs.

- Yamuna
1027.5 MLD effluent reaching STPs.

- ❖ Other areas-

131 MLD effluent reaching STPs.

- **MLD of sewage being treated through Alternate technology:**
NIL

- **Gap in Treatment Capacity in MLD:**

- **Yamuna**

There is Gap of 240.5 MLD in the installed treatment capacity at present in comparison to requirement i.e. sewage generation in some towns in catchment of river Yamuna i.e. Samalkha (0.56 MLD), Beri (0.15 MLD), Palwal (9.3 MLD), Faridabad (144.5 MLD) and Gurugram (86 MLD).

- **No. of Operational STPs:**

Ghaggar

There are total 62 STPs installed in the catchment of river Ghaggar with the capacity of 535 MLD. As per latest status, 22 STP is not meeting the prescribed parameters. The list is enclosed as **Annexure-1**.

Yamuna

There are total 59 STPs installed in the catchment of river Yamuna with the capacity of 1074 MLD. As per latest status, 26 STPs are not meeting the prescribed parameters. The list is enclosed as **Annexure-2**.

Other Areas

35 STPs of 225 MLD capacity are installed in the other areas not following in the catchment of rivers. Out of these 22 STPs are not meeting the prescribed limits. The list is enclosed as **Annexure-3**.

The details of all the existing STPs in the state are given in the table as under:-

Table:- Details of each existing STP in the State

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|--------------------------|------------|-----------------------------|-------------------------|---------------------------|---|
| Ghaggar Catchment | | | | | |
| 1 | Naraingarh | 3 | 1.7 | Operational | Non Complying |
| 2 | Ambala | 44 | 22.1 | Operational | 2 Non Complying in F. Coli. and 2 STP is complying & 8 STPs non-complying (3 MLD Unit-I, Naya Gaon, 3.25 MLD Baldev Nagar, Unit-II , 5 MLD Baldev Nagar, Unit-I, Ambala, 5 MLD Moti |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|---------|--------------|-----------------------------|-------------------------|---------------------------|---|
| | | | | | Nagar, Unit-I, 5 MLD Moti Nagar, Unit-II, 6 MLD Modal Town, 3.25 Nasirpur and 3 MLD Devi Nagar, Ambala) |
| 3 | Ratia | 6.5 | 4.5 | Operational | Non Complying |
| 4 | Tohana | 10 | 8.2 | Operational | Non Complying |
| 5 | Jhokal Mandi | 3 | 1.5 | Operational | Complying |
| 6 | Fatehabad | 33 | 14 | Operational | 1 STP Non Complying in F. Coli and 2 STPs complying & 1 STP non-complying at 10 MLD Bhodia Khera, Fatehabad. |
| 7 | Hisar | 82 | 50 | Operational | 4 STPs are complying and 1 STP is Non Complying (4 MLD Kaimri Road, Hisar) |
| 8 | Narnaund | 4 | 2.15 | Operational | Complying |
| 9 | Narwana | 9.25 | 7.03 | Operational | 3 STPs Non-Complying (3.5 MLD Patiala Road, Narwana, 3.75 MLD Narwana and 2 MLD Dablain Road Narwana) |
| 10 | Uchana | 3.5 | 2.75 | Operational | Non complying |
| 11 | Jind | 37 | 20 | Operational | 1 STP Non Complying in F. Coli, 1 STP Complying (2 Non-Complying 15 MLD, Jind and 5 MLD STPs at Jind are non complying) |
| 12 | Safidon | 9 | 3.2 | Operational | Complying |
| 13 | Cheeka | 10 | 5.5 | Operational | Complying |
| 14 | Kaithal | 37.5 | 21.5 | Operational | complying |
| 15 | Kalayath | 5 | 3.5 | Operational | complying |
| 16 | Pundri | 3.5 | 3.25 | Operational | complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|-------------------------|---------------|-----------------------------|-------------------------|---------------------------|---|
| 17 | Shahabad | 11.5 | 6.5 | Operational | Complying |
| 18 | Pehowa | 8 | 5.5 | Operational | Complying |
| 19 | Thanesar | 40 | 18 | Operational | Complying |
| 20 | Kalka | 4.75 | 2.55 | Operational | Non Complying in F. Coli |
| 21 | Pinjore | 5 | 3.5 | Operational | Non Complying in F. Coli |
| 22 | Panchkula | 81 | 34.74 | Operational | 2 STP Non Complying in F. Coli. And 2 STPs are complying |
| 23 | Mandi Dabwali | 16.5 | 13.5 | Operational | Complying |
| 24 | Kalanwali | 9.5 | 2.5 | Operational | Complying |
| 25 | Sirsa | 45 | 29.5 | Operational | 1 STP Non Complying in F. Coli , 2 STPs Non-Complying (5 MLD Nattar 1, Sirsa and 5 MLD Nattar 2, Sirsa) and 1 STP complying |
| 26 | Rania | 6 | 2.60 | Operational | Non Complying in F. Coli |
| 27 | Ellenabad | 7.5 | 6 | Operational | Complying |
| Total | | 535 | 295.77 | | |
| Yamuna Catchment | | | | | |
| 1 | Jagadhri | 24 | 18.5 | Operational | Complying |
| 2 | Yamunanagar | 65 | 43.70 | Operational | 4 STPs are complying |
| 3 | Radaur | 3.5 | 2 | Operational | Complying |
| 4 | Chhachhrauli | 3 | 1.75 | Operational | Complying |
| 5 | Ladwa | 7 | 5 | Operational | Complying |
| 6 | Nilokheri | 6 | 3.5 | Operational | Non Complying in F. Coli |
| 7 | Taraori | 5.5 | 3.8 | Operational | Non Complying in F. Coli |
| 8 | Indri | 4 | 2.35 | Operational | Non Complying in F. Coli |
| 9 | Karnal | 68 | 59 | Operational | 3 STPs Non Complying in F. Coli |
| 10 | Nissing | 4 | 2.3 | Operational | Non Complying in F. Coli |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|---------|-------------|-----------------------------|-------------------------|---------------------------|---|
| 11 | Gharaunda | 7 | 4.7 | Operational | Non Complying in F. Coli |
| 12 | Panipat | 120.8 | 42 | Operational | 3 STPs Non Complying in F. Coli and 3 STPs are complying |
| 13 | Samalkha | 5 | 4 | Operational | Non Complying |
| 14 | Gohana | 11.3 | 8.72 | Operational | Non Complying |
| 15 | Ganaur | 7 | 5.5 | Operational | Non Complying |
| 16 | Sonepat | 62.5 | 48.3 | Operational | 2 STPs are Complying and 1 STP Non-Complying |
| 17 | Kharkhoda | 4.5 | 2 | Operational | Non Complying |
| 18 | Maham | 5 | 2.65 | Operational | Non Complying |
| 19 | Rohtak | 93.5 | 49.7 | Operational | 2 STPs Complying (2 STPs are non complying 40 MLD Sonaria, Rohtak, 10 MLD sector-25, Rohtak and 10 MLD Singhapura Rohtak) |
| 20 | Kalanaur | 3.5 | 2.5 | Operational | Non Complying |
| 21 | Sampla | 4 | 2.66 | Operational | Non Complying |
| 22 | Beri | 2 | 1.72 | Operational | Non Complying in F. Coli |
| 23 | Bahadurgarh | 64 | 22.6 | Operational | 2 STP Non-Complying (18 MLD STP, Linepar, Bahadurgarh by PHED and 10 MLD, Sec-36, Bahadurgarh) and 1 STP is non complying in F. Coli. |
| 24 | Jhajjar | 10.5 | 6.45 | Operational | Non Complying |
| 25 | Taoru | 4.5 | 2.6 | Operational | Non Complying |
| 26 | Gurugram | 388 | 474 | Operational | 1STPs are non complying in F. Coli , 3 STPs complying and 1 STP non-complying (100 MLD Dhanwapur, Gurugram). |
| 27 | Nuh | 3.6 | 2.3 | Operational | Non Complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|-------------------|----------------------|-----------------------------|-------------------------|---------------------------|---|
| 28 | Ferozepur jhirka | 5 | 2.45 | Operational | Non Complying |
| 29 | Punhana | 4.5 | 1.25 | Operational | Non Complying |
| 30 | Faridabad | 52.5 | 197 | Operational | 1 STP Non Complying (45 MLD Badshahpur, Faridabad) and 1 STP is complying |
| 31 | Palwal | 9 | 9 | Operational | Non Complying |
| 32 | Hathin | 4.5 | 2.08 | Operational | Non Complying |
| 33 | Hassanpur | 3 | 1.25 | Operational | Non Complying |
| 34 | Hodal | 9 | 4.6 | Operational | Non Complying |
| Total | | 1074.2 | 1027.52 | | |
| Other STPs | | | | | |
| 1 | Sohna | 6 | 4.5 | Operational | Non Complying |
| 2 | Pataudi | 4.5 | 2.7 | Operational | Non Complying |
| 3 | Farrukhnagar | 3 | 1.85 | Operational | Non Complying in F. Coli |
| 4 | Haily Mandi | 5.5 | 2.9 | Operational | Non Complying in F. Coli |
| 5 | Julana | 4 | 2.3 | Operational | Non Complying |
| 6 | Dhana Road, Bhiwani | 10 | | Operational | Non Complying |
| 7 | Bhiwani | 10 | 38 | Operational | Non Complying |
| 8 | Bhiwani | 15 | | Operational | Non Complying in F. Coli |
| 9 | Bhiwani | 15 | | Operational | Non Complying in F. Coli |
| 10 | Charkhi Dadri | 5 | 6 | Operational | Non Complying |
| 11 | Charkhi Dadri | 5 | | Operational | Non Complying |
| 12 | Bawani Khera | 4.5 | 2 | Operational | Non Complying |
| 13 | Loharu | 3.5 | 2 | Operational | Non Complying |
| 14 | Tosham | 3 | 1.62 | Operational | Non Complying in F. Coli |
| 15 | Siwani | 4 | 2.75 | Operational | Non Complying |
| 16 | Mohindergarh | 6.5 | 2.5 | Operational | Non Complying |
| 17 | Ateli Mandi | 2 | 1.16 | Operational | Non Complying |
| 18 | Kanina | 3 | 0.89 | Operational | Non Complying |
| 19 | Rewari Road, Narnaul | 7.5 | 5 | Operational | Non Complying |
| 20 | Bawal | 3 | 2 | Operational | Non Complying |
| 21 | Rewari | 6.5 | | Operational | Non Complying |
| 22 | Rewari | 8 | | Operational | Non Complying |
| 23 | Rewari | 16 | 20 | Operational | Non Complying in F. Coli |
| 24 | Dharuhera | 9.5 | 4 | Operational | Non Complying in F. Coli |
| 25 | Kosli | 3 | 2 | Operational | Non Complying |
| 26 | Barara | 4 | 2.34 | Operational | Complying |

| Sr. No. | Town | Existing STP Capacity (MLD) | Capacity Being Utilized | Operational status of STP | Compliance status of STPs |
|--------------|--|-----------------------------|-------------------------|---------------------------|---------------------------|
| 27 | Assandh | 5 | 3.80 | Operational | Non Complying in F. Coli |
| 28 | Hansi | 6.5 | 13 | Operational | Complying |
| 29 | Dhani Gram, Barwala | 6 | 4.5 | Operational | Non Complying |
| 30 | Uklana | 6.5 | 3.5 | Operational | Non Complying |
| 31 | Dhani Kushal, Bhiwani Road, Hansi | 5 | | Operational | Non Complying |
| 32 | Lalpura- Jind Road, Hansi | 7.5 | | Operational | Non Complying |
| 33 | Bhiwani | 10 | | Operational | Non Complying in F. Coli |
| 34 | Dharuhera | 5 | | Operational | Complying |
| 35 | Near Chinkara Rest House, Rewari Road, Narnaul | 6 | | Operational | Non Complying in F. Coli |
| Total | | 225 | 131.31 | | |

B Details of under construction STPs in the State

| Sr. No. | Location | Capacity of the plant in MLD | Physical Progress in % | Status of I&D or House sewer connections | Completion Timeline |
|--------------------------|-----------------------|------------------------------|------------------------|---|---------------------|
| Ghaggar Catchment | | | | | |
| 1 | 12 Cross Road, Ambala | 12 | 32% | 215311 House sewer connections provided in the Ghaggar Catchment. | 31.01.2023 |
| 2 | Khatoli | 0.75 | 100% | | 31.10.2021 |
| 3 | Billa | 0.75 | 100% | | 31.10.2021 |
| 4 | Khuda Khurd, Ambala | 12 | 40% | | 31.01.2023 |
| 5 | Babyal | 10 | 91% | | 31.12.2021 |
| 6 | Shahpur Machhonda | 7.5 | 38% | | 31.08.2022 |
| 7 | Saketri-STP | 1.5 | 72% | | 31.03.2022 |
| 8 | Sirsa | 7.5 | 93% | | 31.12.2021 |
| 9 | Sukhdarshanpur | 0.75 | 100% | | 31.07.2021 |
| 10 | Uchana | 2 | 70% | | 31.12.2021 |
| 11 | Ramgarh, Panchkula | 1 | 73% | | |
| | Total | 55.75 | | | |
| Yamuna Catchment | | | | | |

| Sr. No. | Location | Capacity of the plant in MLD | Physical Progress in % | Status of I&D or House sewer connections | Completion Timeline |
|---------|-----------------------|------------------------------|------------------------|--|---------------------|
| 1 | Shiv Colony, Karnal | 8 | 86% | 195520 House sewer connections provided in the Yamuna Catchment. | 28.02.2022 |
| 2 | Phooshgarh, Karnal | 20 | 87% | | 28.02.2022 |
| 3 | Garhi Bohar, Rohak | 12 | 89% | | 31.10.2021 |
| 4 | Singhpura, Rohtak | 10 | 98% | | 31.10.2021 |
| 5 | Peer Bodhi, Rohak | 15 | 46% | | 30.09.2022 |
| 6 | Faridabad, sector-21 | 10 | 36% | | 31.12.2021 |
| 7 | Kithwari | 10 | 55% | | 31.03.2022 |
| 8 | Jodhpur Road, Palwal | 15 | 60% | | 31.03.2022 |
| 9 | Ferozpur, Palwal | 2.5 | 60% | | 31.03.2022 |
| 10 | Sonepat (Aterna) | 15 | 60% | | 31.12.2021 |
| 11 | Murthal Sonepat | 3 | 29% | | 31.12.2022 |
| 12 | Jhazgarh | 20 | 24% | | 31.12.2021 |
| 13 | Dhankot, Gurugram | 2 | 0% | | 31.12.2021 |
| 14 | Bajghera | 2 | 20% | | 31.12.2021 |
| 15 | Rohtak | 10 | 85% | | 31.12.2021 |
| 16 | Mirjapur, Faridabad | 80 | 27% | | 30.11.2022 |
| 17 | Partapgarh, Faridabad | 100 | 32% | | 30.11.2022 |
| 18 | Faridabad | 30 | 60% | | 30.06.2022 |
| 19 | Beri | 2 | 95% | | 31.03.2022 |
| | Total | 366.5 | | | |

Details of proposed STPs in the State

| Sr. No. | Location | Capacity of the STP proposed in MLD | Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded) | Likely Date of Completion |
|--------------------------|--------------------------|-------------------------------------|---|---------------------------|
| Ghaggar Catchment | | | | |
| 1 | Sector-32, Ambala Cantt. | 5 | Sewage is lifted to the existing 2 MLD STP of HSVP in Ambala. | 31.12.2027 |
| 2 | Naraingarh, Ambala | 1 | Sewage is lifted to the existing STP of PHED in Naraingarh. | 31.12.2024 |
| 3 | Pinjore, Panchkula | 8 | No discharge yet. | 31.12.2027 |
| 4 | Jind | 5 | The existing 10 MLD STP is sufficient. | 31.12.2027 |

| Sr. No. | Location | Capacity of the STP proposed in MLD | Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded) | Likely Date of Completion |
|-------------------------|--------------------------------------|-------------------------------------|---|---------------------------|
| 5 | Hansi | 5 | Present discharge, though very little, is being treated in existing STP. | 31.12.2027 |
| 6 | Hisar | 10 | Sewage is lifted to the existing 15 MLD STP of HSVP in Hisar. | 31.12.2024 |
| 7 | Hisar | 5 | No discharge yet. | 31.12.2026 |
| | Total | 39 | | |
| Yamuna Catchment | | | | |
| 1 | Manesar and Naharpur Kasan, Gurugram | 25 | Under tendering process. | 31.12.2022 |
| 2 | Dev Colony, Panipat | 15 | The work of dewatering and de-silting has been completed at site. | 31.01.2023 |
| 3 | Barsat Road, Panipat | 25 | The land for the construction of STP has been procured by the agency and Basic Engineering Package which includes design, drawings, layout etc. (BEP) is also got approved from the PDMC. | 31.01.2023 |
| | Total | 65 | | |

IV. Details of Industrial Pollution:

| Sr. No. | River stretch | No. of industries | Quantum of effluent generated (in MLD) | No. of industries having ETPs | No. of industries connected to CETPs |
|---------|---------------|-------------------|--|-------------------------------|--------------------------------------|
| 1 | Yamuna | 3474 | 121.11 | 3474 | 814 |
| 2 | Ghaggar | 212 | 5.2 | 212 | 28 |
| | Total | 3686 | 126.31 | 3686 | 842 |

- **Number and total capacity of CETPs (details of existing/ under construction / proposed)**

| Sr. No. | River stretch | Existing CETPs | | Under construction CETPs | | Proposed CETPs | |
|---------|---------------|----------------|-------------------|--------------------------|-------------------|----------------|-------------------|
| | | No. | Capacity (in MLD) | No. | Capacity (in MLD) | No. | Capacity (in MLD) |
| 1 | Yamuna | 14 | 161.5 | 3 | 19 | 5 | 145.5 |
| 2 | Ghaggar | 4 | 6.1 | 0 | 0 | 2 | 3 |
| 3 | Other Areas | 1 | 22.5 | 0 | 0 | 0 | 0 |
| | Total | 19 | 190.1 | 3 | 19 | 7 | 148.5 |

- **Status of compliance and operation of the CETPs.**
Ghaggar Catchment

| Town | No. of industries | Industrial Discharge (in MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------|---|-------------------------------|-------------------------------|---|
| Naraingarh | 10 | 0.002 | All units have Installed ETPs | 0 |
| Ambala | 69 | 1.2 | | Existing – 2 CETP of 5.5 MLD capacity are complying as per latest A/Rs |
| Jind | No industry in catchment of river/drains of Ghaggar | 0 | | Existing- 1 CETP of 0.1 MLD capacity is complying. Proposed- 1 CETP of 1.5 MLD capacity. |
| Shahbad | 4 | 0.001 | | 0 |
| Pehowa | 3 | 3.4 | | 0 |
| Kurukshetra | 26 | 0.036 | | 0 |
| Kalka | 8 | 0.01 | | 0 |
| Barwala | 10 | 0.07 | | Existing- 1 CETP of 0.5 MLD capacity and the same is complying as per latest A/R |
| Panchkula | 82 | 0.5 | | 0 |
| Sirsa | 0 | 0 | | Proposed- 1 CETP of 1.5 MLD capacity. |
| Total | 212 | 5.2 | | |

Yamuna Catchment

| Town | No. of industries | Industrial Discharge (I n MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------------------|-------------------|--------------------------------|-------------------------------|---|
| Jagadhri/ Yamunanagar | 207 | 18.4 | All units have Installed ETPs | Under construction- 1 CETP of 3 MLD capacity |
| Karnal | 310 | 18.4 | | 0 |
| Panipat | 286 | 24.3 | | Existing- 3 CETPs are all complying. |
| Sonepat | 789 | 21.8 | | Existing- 4 CETPs of 25.2, all are complying. Under construction- 1 CETP of 6 capacity. |
| Rohtak | 89 | 1.4 | | Existing- 2 CETPs of 13 (1 CETP of 3 MLD is under trial run and the other CETP of 10 MLD at IMT Rohtak is complying) |
| Jhajjar | 311 | 5.4 | | Existing- 1 CETP of 12.5 MLD and the same is complying. Under Construction- 1 CETP of 10 MLD capacity |
| Gurugram | 775 | 13.27 | | Existing- 2 CETPs of 55.2 MLD and are complying. Proposed- 3 CETPs of 30.5 MLD capacity. |

| Town | No. of industries | Industrial Discharge (I n MLD) | Status of ETPs | Status of CETPs (existing, under construction & proposed) |
|--------------|-------------------|--------------------------------|----------------|--|
| Nuh | 39 | 1.5 | | 0 |
| Palwal | 76 | 7.7 | | 0 |
| Faridabad | 592 | 8.94 | | Existing- 2 CETPs of 11.1 MLD are complying. Proposed- 2 CETPs of 115 capacity. |
| Total | 3474 | 121.11 | | |

The list is enclosed is as under:-

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date | Compliance status |
|----------------------|--------------------------------------|-----------------|---------|---|-------------------|
| River Yamuna | | | | | |
| 1 | IE Rai, Sonapat | 5 | HSI IDC | 2417 dt. 30.09.2021 | Complying |
| 2 | IE Barhi, Sonapat | 16 | HSI IDC | 2367 dt. 29.09.2021 | Complying |
| 3 | IE Kundli, Sonapat | 4 | HSI IDC | 2365 dt. 29.09.2021 | Complying |
| 4 | IE Murthal, Sonapat | 0.2 | HSI IDC | 2366 dt. 29.09.2021 | Complying |
| 5 | IMT Rohtak | 10 | HSI IDC | 1074-1075 dt. 06.10.2021 | Complying |
| 6 | IE Kutana, Rohtak | 3 | HSI IDC | Under trial run | |
| 7 | IE Panipat Refinery Complex, Panipat | 2.5 | HSI IDC | Could not be functional, due to Non availability of sufficient effluent | |
| 8 | HSI IDC Sector 16-17, Bahadurgarh | 12.5 | HSI IDC | 1083-1084 dt. 08.10.2021 | Complying |
| 9 | IMT faridabad | 10.5 | HSI IDC | 485 dt. 03.11.2021 | Complying |
| 10 | IMT Manesar, Gurugram | 55 | HSI IDC | 1033-1034 dt. 27.10.2021 | Complying |
| 11 | Sector-29, Panipat | 21 | HSVP | 2533 dt. 12.10.2021 | Complying |
| 12 | Sector-29, Panipat | 21 | HSVP | 2532 dt. 12.10.2021 | Complying |
| 13 | Faridabad Electroplaters Association | 0.6 | Private | 483 dt. 03.11.2021 | Complying |
| 14 | Industrial Area, Sector-37, Gurugram | 0.2 | Private | 985-986 dt. 21.10.2021 | Complying |
| River Ghaggar | | | | | |
| 15 | IE Barwala, Panchkula | 0.5 | HSI IDC | 2287 dt. 24.09.2021 | Complying |
| 16 | Ambala Cantt. | 0.5 | HSI IDC | 2476 dt. 05.10.2021 | Complying |
| 17 | Saha, Ambala | 5 | HSI IDC | 2477 dt. | Complying |

| Sr. No. | Name of CETP | Capacity in MLD | Deptt. | Analysis report no. and date | Compliance status |
|--------------------|-----------------------|-----------------|--------|------------------------------|-------------------|
| | | | | 06.10.2021 | |
| 18 | I. E. Jind | 0.1 | HSIIDC | 1062-1063 dt. 06.10.2021 | Complying |
| Other areas | | | | | |
| 19 | IMT Bawal, Rewari | 22.5 | HSIIDC | 901-902 dt. 04.10.2021 | Complying |
| | Total capacity | 190.1 | | | |

V. **Solid Waste Management:**

• **Total number of Urban Local Bodies and their Population.**

There are 92 Municipalities in the State out of which MC, Manesar, MandiAdampur, Badhda, Seewan have been recently notified as Municipalities. Approximate 5523 TPD is daily generation of Municipal Solid Waste and the population of all Municipalities is 1,02,99,000 as per Census 2011.

• **Current Municipal Solid Waste Generation.**

Total generation of Municipal Solid Waste is approximate 5523 TonnePerDay. A brief status regarding management of Solid Waste in ULBs is as under:-

| SWM Activities in State | Quantity |
|---|---|
| Total No. of Wards | 1576 |
| Quantity of Solid Waste | 5523 TPD |
| No. of wards with 100% Door to Door Collection | 1558 |
| No. of wards where segregation is initiated | 1415 |
| Quantity of Wet waste | 2990 TPD |
| Quantity of dry waste | 2533 TPD |
| Quantity of wet waste being processed | 1719 TPD |
| Quantity of dry waste being processed | 1396 TPD |
| No. of vehicles for D2D collection | 4330 |
| No. of vehicle with Compartment | 3830 |
| No. of vehicles with GPS | 2581 |
| No. of GVPs Identified | 730 out of which 684 GVP has been removed |
| No. of BWG identified | 1982 |
| No. of BWG processing on site | 1099 |
| No. of Solid Waste Challan collected in last three months | 470 challans done Rs. 1,42,240/- amount collected in month of July-September 2021 |
| No. of Plastic Waste Challan collected in last three months | 1289 challans done Rs. 9,22,310/- amount Collected in month of July-September2021 |

There are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (150 TPD), Sirsa (50 TPD) & Karnal (150 TPD). Apart from the above, three Bio-Methanation Facilities are

also operational in Faridabad, Panchkula, Radaur and one Bio-CNG plant is operational in Karnal.

Further, there are approximate 1800 compost pits and 1490 pits for horticulture waste in various MCs. In addition, approx. 11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula & Rohtak.

For processing of dry waste 444 Material Recovery Facilities (MRF) has also been constructed in 60 Municipalities out of which 93 MRF centers are owned by Municipalities and 351 MRF centers owned by private parties are functional in Gurugram.

Further, Waste to Energy Plant at ISWM Sonapat-Panipat Cluster of 700 TPD capacity has been commissioned on 16.08.2021. Approximate 8 MW electricity is being generated in this plant.

Work of Waste to Energy Plant (2330 TPD) in Gurugram-Faridabad is also under implementation. The work of construction of WtE plant is likely to be started by December 2021. The plant is likely to be commissioned by July 2023.

- **Number, installed capacity and utilization of existing MSW processing facilities in TPD (bifurcated by type of processing eg- Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, decentralized pit composting), bio methanation, MRF etc.**

There are three existing operational centralized Waste to Compost (WTC) processing facilities in the State at Rohtak (150 TPD), Sirsa (50 TPD) & Karnal (150 TPD). Apart from the above, three Bio-Methanation Facilities are also operational in Faridabad, Panchkula, Radaur and one Bio-CNG plant is operational in Karnal.

Further, there are approximate 1800 compost pits and 1490 pits for horticulture waste in various MCs. In addition, approx. 11208 household pits have been constructed to encourage the households for home composting in Ambala Sadar, Faridabad, Gurugram, Kaithal, Karnal, Panchkula & Rohtak.

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- **Action plan to bridge gap between Installed Capacity and Current Utilization of processing facilities (if Gap > 20%)**

Integrated Centralized Waste Processing Approach (Cluster Wise) is being adopted as a long-term approach, with an overall objective to setup regional Waste to Energy, Waste to Compost + RDF processing facilities and Secured Sanitary landfills for scientific disposal of Solid Waste. This approach is more coveted considering the constraints posed by the decentralized approach and its sustainability over long run.

As part of this approach, total 13 Clusters have been formed covering all the 92 ULBs of Haryana. Also, under this approach the projects will be set up on PPP mode and single agency/concessionaire will be responsible for Door to Door Collection, transportation, processing and disposal of Solid Waste for a concession period of 22 years.

Currently 2 Waste to Energy Cluster Projects namely Sonapat-Panipat and Gurugram-Faridabad have been awarded and construction of Sonapat-Panipat Cluster (700 TPD) Waste to Energy project has been commissioned on 16.08.2021. The Environmental Clearance of Gurugram-Faridabad (2300 TPD) Waste to Energy Projects has been granted. The construction of the plant is likely to start soon. Once commissioned these two projects alone will cater to 14 approx. 40% processing of entire waste being generated in the state.

Remaining eleven (11) clusters are Open Technology Clusters. The details of 13 clusters are attached at **Annexure-4**.

Bioremediation of legacy waste lying at existing dump sites.

Approximate 71.68 Lakh Metric Ton of legacy waste was lying at the dumping sites in Municipalities, out of which 67.64 lakh M.T. i.e. 94% of total quantity of the legacy waste is lying at 29 dumpsites in the State which also includes 33 lakh MT legacy waste at Bandhwari, Gurugram. The bio-remediation works at these 29 sites have been allotted to contractual agencies. Out of which work has been started at 23 sites and will be started very soon at other 06 sites. The remaining 4.04 lakh MT legacy waste is very small fractions of quantity lying at 47 dumpsites which will be also processed by adopting suitable technology. The detail of the same is as under:-

Status of bioremediation of legacy waste in the Municipalities of State of Haryana

| Sr. No. | Name of MC | Estimated Quantity of legacy waste (In Lakh MT) | Estimated Cost as per agreement (in Crore) | Status of work | Quantity of waste processed upto 15.08.2021 (in MT) |
|---------|------------|---|--|------------------|---|
| 1 | Gurugram | 33 | -- | Work in progress | 1020158 |
| 2 | Rohtak | 5.2 | 25.67 | work in Progress | 435000 |
| 3 | Ambala | 6 | 35.73 | Work in Progress | 354957 |
| 4 | Panchkula | 3.96 | 37.5 | Work in Progress | 127556 |

| Sr. No. | Name of MC | Estimated Quantity of legacy waste (In Lakh MT) | Estimated Cost as per agreement (in Crore) | Status of work | Quantity of waste processed upto 15.08.2021 (in MT) |
|---------|--------------|---|--|------------------------------|---|
| 5 | Bahadurgarh | 3.2 | 19.88 | Work in Progress | 83842 |
| 6 | Narnaul | 0.59 | 4.7 | Work in Progress | 59000 |
| 7 | Kaithal | 0.8 | 5.56 | Work in Progress | 60000 |
| 8 | Gohana | 0.42 | 2.68 | Work in Progress | 32532 |
| 9 | Sirsa | 0.45 | 3.44 | Work in Progress | 44530 |
| 10 | Panipat | 5 | 27.73 | Work in Progress | 68500 |
| 11 | Palwal | 0.21 | 1.26 | Work in Progress | 18000 |
| 12 | Meham | 0.14 | 1.11 | Work in Progress | 8424 |
| 13 | Yamunanagar | 1.27 | 9.31 | Work in Progress | 57500 |
| 14 | Fatehabad | 0.47 | 3.24 | Work in Progress | 42011 |
| 15 | Gannaur | 0.25 | 1.59 | Work in Progress | 23500 |
| 16 | Rewari | 0.6 | 4.02 | Work in Progress | 36000 |
| 17 | Assandh | 0.15 | 0.88 | Work in Progress | 13400 |
| 18 | Cheeka | 0.18 | 1.01 | Work in Progress | 8000 |
| 19 | MandiDabwali | 0.31 | 2.28 | Work in Progress | 8400 |
| 20 | Jind | 1 | 6.78 | Work in Progress | 20000 |
| 21 | Kharkhoda | 0.24 | 1.53 | Work in Progress | 4000 |
| 22 | Nissing | 0.15 | 0.94 | Work in Progress | 13800 |
| 23 | Taraori | 0.09 | 0.58 | Work in Progress | 2148.38 |
| 24 | Gharaunda | 0.2 | 1.23 | Machinery under Installation | 0 |
| 25 | Bhiwani | 1.15 | 8.15 | Machinery under Installation | 0 |
| 26 | Nilokheri | 0.11 | 0.69 | Machinery under Installation | 0 |
| 27 | CharkhiDadri | 0.25 | 2.1 | Machinery under Installation | 0 |
| 28 | Hisar | 1.3 | 12.35 | Machinery under Installation | 0 |
| 29 | Karnal | 0.95 | 5.84 | Machinery under Installation | 0 |
| | Total | 67.64 | 227.78 | Total | 24,81,258.38 say 24.81 Lakh MT |

Approximate 24.81 lakh metric tonnes (36.67%) of legacy waste has already been processed in the above mentioned Municipalities. MCs mentioned at Sr. No. 24-29 above where zero quantity of legacy waste is shown as processed is due to the recent award/finalization of the contracts or due to some technical difficulties such as mobilization & installation of machinery, arrangement of labour etc. being faced by the concerned municipalities. However, the requisite machineries are now under installation at these dumpsites and the waste processing shall be started very soon.

The State Government has approved allocation of funds amounting to Rs. 262.67 Crore for the above mentioned municipalities. The 1st installment of Rs.44.59 Crore has been released by the State Government to the Urban Local Bodies Department to implement the necessary measures for this purpose.

- **No. and capacity of C&D waste processing plants in TPD (existing, proposed and under construction)**

Presently Municipal Corporation, Gurugram has established a 300 TPD Construction and Demolition Waste processing plant at Village Basai and the capacity of the plant will be increased to 1500 TPD shortly. MC Gurugram has signed agreements with two private contractors to collect and transport the C&D waste from the household's level to the designated C&D waste Plant.

Further, the concessionaire for establishment of 300 TPD C&D waste management plant in Faridabad on PPP mode has also been finalized and agreement has also been signed between concessionaire and Municipal Corporation, Faridabad. The plant is likely to be commissioned by November 2022. As per the terms & conditions of agreement, the agency will start the processing of C&D waste at tie up plant Gaziyabad within 2 months till the commissioning of its plant in Faridabad.

- **Total no. of wards, no. of wards having door to door collection service, no. of wards practicing segregation at source**

There are total 1540 wards in MCs of Haryana out of which 1467 wards have been covered with door to door waste collection services. Out of the total wards, source segregation has been initiated 1103 wards.

- **Details of MSW treatment facilities proposed and under construction (no., capacity, and technology).**

Detail is already attached at Annexure-4.

- **No. and area (in acres) of uncontrolled garbage dumpsites and Sanitary Landfills.**

The detail of dumpsites attached at Annexure-5.

- **No. and area (in acres) of legacy waste within 1km buffer of both side of the rivers.**

No such data is available at present.

- **No. of drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers**

The drains of MCs don't falls directly into the rivers. They ultimately join the drains of irrigation and the drains of irrigation falls into the rivers. The MCs are installing the wire mesh in the drains to prevent the solid waste from falling into the drains. At present approximate 387 small drains have been provisioned with wire mesh screens.

Status of ULB wise Management of Solid Waste

| ULB | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW facilities | Utilization Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline |
|-----|-----------------------------|----------------------------------|-------------------------|---|---|
| | | | | | |

| ULB | Total MSW generation in TPD | Total MSW being processed in TPD | Existing MSW facilities | Utilization Capacity of the existing MSW facilities | Proposed MSW Facilities & Completion Timeline |
|-----|-----------------------------|----------------------------------|---|---|--|
| 92 | 5523 | 2375 | 03 having capacity 350 TPD apart from this MCs are adopting the pit/windrow composting for processing of waste. | 350 TPD | 13 ISWM clusters having capacity 6630 TPD. Out of which waste to energy plant of 500 TPD capacity at Sonapat is likely to be commissioned by April, 2021 and rest of the plants are likely to be commissioned by December, 2022. |

VI. Bio-medical Waste Management:

- Total Bio-medical generation:**
 As per the annual report for 2019, total 14810 kg/day bio medical waste is generated in State of Haryana.
- No. of Hospitals and Health Care Facilities:**
 As per the annual report for 2019, there are 5526 no. of HCFs in State of Haryana.
- Status of Treatment Facility/ CBMWTF:**
 As per the annual report for 2019, there are 11 no. of authorized CBWTFs/Treatment facilities in State of Haryana

VII. Hazardous Waste Management:

- Total Hazardous Waste generation:** 220987.09 tons
- No. of Industries generating Hazardous waste-** 4849
- Treatment Capacity of all TSDFs**
 Incinerator (Kcal) - 2.5 Million.
 Landfill (MTA) - 32 years
- Avg. Quantity of Hazardous waste reaching the TSDFs and Treated**

| Hazardous waste reaching TSDFs | Hazardous waste treated |
|---|--|
| Landfill -14372 MT Incineration - 15150.8 MT | Landfill -14372 MT Quantity Incinerated - 0 |

- Details of on-going or proposed TSDF-** Details given at Annexure-6

VIII. Plastic Waste Management:

- Total Plastic Waste generation:**

Approximate 520 TPD.

- **Treatment/ Measures adopted for reduction or management of plastic waste:**

At present plastic waste is being channelized through MRF centres established in MCs.

IX. Details of Alternate Treatment Technology being adopted by the State/UT

The Nodal Department for execution of Bio/Phyto- Remediation identified. The SPV also asked the Department to submit the locations where the phyto remediation/bio-remediation wherever feasible.

ULB Department has started bio/phyto remediation works in the drains in Municipal Corporation, Yamuna Nagar – Jagadhri, as a pilot project, which will be replicated at other places. Municipal Corporation of Sonapat has also invited tenders for the bio/phyto remediation of drains. Similarly, Municipal Corporations of Gurugram and Faridabad are in the process of preparing the proposals for bio/phyto remediation. Municipal Corporation of Panipat has already floated the tenders for the process in their jurisdiction. GMDA has also initiated a pilot project as an interim treatment for untreated discharge of Leg I via geo-synthetic dewatering tubes in consultation with CPCB. PHED has undertaken the *in-situ* phyto/bio remediation in its new STPs at Indri and Beri. Chief Secretary, during the review meeting held, has also directed that all concerned Departments shall expedite the work on Bio/Phyto-Remediation.

X. Identification of polluting sources including drains contributing to river pollution and action as per NGT order on in situ treatment:

There are locations where the untreated/partially treated effluent is joining the main drains discharging into rivers. The action plans for control of pollution at these points is required to be submitted by Concerned Departments.

River Ghaggar

| Region Name | Total locations | Status of Action Plan | | | |
|--------------|-----------------|-----------------------|---------------------------|--------------------------|------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted Time Bound | Action plan not required/completed |
| Panchkula | 38 | 8 | 19 | 2 | 9 |
| Ambala | 39 | 12 | 2 | 10 | 15 |
| Kurukshetra | 56 | 2 | 6 | 15 | 33 |
| Kaithal | 85 | 26 | 14 | 24 | 21 |
| Hisar | 18 | 0 | 0 | 6 | 12 |
| Yamuna Nagar | 18 | 1 | 0 | 11 | 6 |
| Karnal | 1 | 0 | 0 | 0 | 1 |
| Total | 255 | 49 | 41 | 68 | 97 |

River Yamuna

| Region Name | Total locations | Status of Action Plan | | | |
|-------------|-----------------|-----------------------|---------------------------|--------------------------|-------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted time bound | Action plan not required/ completed |

| Region Name | Total locations | Status of Action Plan | | | |
|--------------|-----------------|-----------------------|---------------------------|--------------------------|-------------------------------------|
| | | Submitted action plan | Not submitted Action plan | Not submitted time bound | Action plan not required/ completed |
| Yamuna Nagar | 19 | 2 | 2 | 1 | 14 |
| Kurukshetra | 1 | 0 | 0 | 1 | 0 |
| Karnal | 3 | 0 | 1 | 0 | 2 |
| Panipat | 9 | 0 | 2 | 0 | 7 |
| Sonepat | 37 | 12 | 11 | 2 | 12 |
| Faridabad | 46 | 29 | 0 | 0 | 17 |
| Bahadurgarh | 10 | 3 | 0 | 0 | 7 |
| Total | 125 | 46 | 16 | 4 | 59 |

XI. Details of Nodal Officer appointed by Chief Secretary in the State/UT:

Member Secretary, Haryana State Pollution Control Board.

XII. Details of meetings carried under the Chairmanship Chief of Secretary in the State/UT:

Regular CS meetings are being held to review the progress of Yamuna and Ghaggar Action Plans. 8 Meetings held so far on 29.08.2019, 20.12.2019, 05.02.2020, 13.03.2020, 22.06.2020 17.07.2020, 06.08.2020, 08.09.2020, 08.12.2020, 12.02.2021 and 02.08.2021.

XIII. Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river.

Ghaggar

(a) Water quality and flow of major drains joining river Ghaggar

| Sr. No. | Name of drain | Latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|---|--|---------------|------------|---------|
| 1 | Discharge of STP, Sec-28, Panchkula at Vill- Kakrali, Punjab. (PKL-RDQ-023) | 30.642798, 76.874462 | 8.5 | 8.5 | 1100 |
| 2 | MDC drain before entering into Punjab area near Raipur Kalan Temple carrying effluent of colonies of Haryana, Chandigarh, U.T (PKL-RDQ-033) | 30.680110, 76.821592 | 20 | 125 | 46000 |
| 3 | Singh Nallah choe before entering punjab near Mamta Enclave, Near Slaughter house Panchkula (PKL-RDQ-038) | 30.664066, 76.843880 | 9.10 | 40 | 40000 |
| 4 | Ambala Drain near Motor Market, Ambala City (AMB-RDQ-008) | 30.388012, 76.790604 | 28.65 | 44 | 148000 |
| 5 | Ghail drain at Samaspur, Ambala (AMB-RDQ-011) | 30.333736, 76.667902 | 15.91 | 8.4 | 220000 |
| 6 | Markanda River Bhagal Bridge. (Longitude 76026.218' and Latitude 30005.025') (KTL-RDQ-002) | Longitude 76026.218' and Latitude 30005.025' | 152.82 | 42 | 130000 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F. Coli |
|---------|--|--|---------------|------------|---------|
| 7 | Cheeka Drain/Old Ghaggar Creek (KTL-RDQ-008) | Longitude 76.232452' and Latitude 30.064188' | 36.4 | 40 | 170000 |
| 8 | Sagar Para Drain before mixing in Ghaggar river, Village Sagra. (Longitude 76011.249' and Latitude 29052.976') (KTL-RDQ-011) | Longitude 76011.249' and Latitude 29052.976' | 14.3 | 42 | 180000 |
| 9 | Kaithal drain before mixing River Ghaggar at Khanauri. (Longitude 76006.831' and Latitude 29050.731') KTL-RDQ-015 | Longitude 76006.831' and Latitude 29050.731' | 10 | 44 | 210000 |
| 10 | Discharge of Ratia Town through drain (Longitude 29.711468 and Latitude 75.551894) HSR-RDQ-006 | Longitude 29.711468 and Latitude 75.551894 | 4 | 26 | 22000 |
| 11 | Discharge of Jakhal (29.786392, 75.826893) (HSR-RDQ-002) | 29.787241, 75.827388 | 3 | 8 | 9000 |
| 12 | Discharge of 7.5 MLD STP PHED Ellenabad, Sirsa into River Ghaggar (HSR-RDQ-018) | 29.489644, 74.741455 | 0.05 | 12.7 | 9000 |

7 (b) Water quality and flow of river Ghaggar

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD(mg /l) | F.Coli (MPN/100 ml) |
|---------|---|----------------------|---------------|------------|---------------------|
| 1 | Ghaggar River at Haryana Himachal Border (Ghaggar River at Morni) (PKL-RDQ-014) | 30.742182/ 76.742182 | 68 | 8.2 | 11000 |
| 2 | Ghaggar before meeting Kaushlaya River (Burajkottian Zone, Panchkula) (PKL-RDQ-015) | 30.639975/ 76.872849 | 874.00 | 7.5 | 46000 |
| 3 | Ghaggar River D/S after meeting Kaushalya River (NWMP-Station Code- 1885) (PKL-RDQ-017) | 30.740980, 76.909826 | 960 | 5.4 | 200 |
| 4 | U/s of Ghaggar river before meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-022) | 30.613894/ 76.836044 | 980 | 7.5 | 1100 |
| 5 | D/S of Ghaggar river after meeting discharge of STP Sec-28 at Kakrali, Punjab. (PKL-RDQ-024) | 30.642798, 76.874462 | 988.5 | 8.5 | 130000 |
| 6 | Ghaggar River before meeting Ambala Drain (AMB-RDQ-007) | 30.402314, 76.743059 | 73.5 | 7 | 110 |
| 7 | Ghaggar River after meeting Ambala Drain (AMB-RDQ-009) | 30.398033, 30.398033 | 102.15 | 16 | 170 |
| 8 | Ghaggar River before mixing Ghail drain at Samaspur (Ambala) (AMB- | 29.71135/ 75.552123 | 102.15 | 7.2 | 70 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD(mg /l) | F.Coli (MPN/100 ml) |
|---------|--|---|---------------|------------|---------------------|
| | RDQ-010) | | | | |
| 9 | Ghaggar River after mixing Ghail Drain at Samaspur (Ambala) (AMB-RDQ-012) | 30.332689, 76.668607 | 118.06 | 7.2 | 130 |
| 10 | Ghaggar River before meeting river Markanda at Village Chiali. (Longitude 76025.974' and Latitude 30007.695') (KTL-RDQ-001) | Longitude 76025.974' and Latitude 30007.695' | 152.82 | 47 | 220000 |
| 11 | Ghaggar River after mixing Markanda River at village Dhandota. (Longitude 76022.571' and Latitude 30005.410') (KTL-RDQ-003) | Longitude 76022.571' and Latitude 30005.410' | 305.64 | 41 | 280000 |
| 12 | Ghaggar River before mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-007) | Longitude 76.232452' and Latitude 30.064188' | 305.64 | 36 | 310000 |
| 13 | Ghaggar River after mixing of cheeka Drain (Longitude 76.232452' and Latitude 30.064188') (KTL-RDQ-008) | Longitude 76.232452' and Latitude 30.064188 | 330.09 | 40 | 170000 |
| 14 | Ghaggar River before mixing Sagar Para Drain at Village Rasoli. (Longitude 76010.173' and Latitude 29054.305') (KTL-RDQ-010) | Longitude 76010.173' and Latitude 29054.305' | 0 | 45 | 170000 |
| 15 | Ghaggar River after mixing of Sagar Para Drain at Village Rasoli. (Longitude 76010.135' and Latitude 29053.548') (KTL-RDQ-012) | Longitude 76010.135' and Latitude 29053.548') | 14.3 | 47 | 130000 |
| 16 | River Ghaggar before mixing Kaithal drain at Khanauri. (Longitude 75000.061' and Latitude 29050.754') (KTL-RDQ-013) | Longitude 75000.061' and Latitude 29050.754' | 0 | 52 | 280000 |
| 17 | River Ghaggar after mixing Kaithal Drain into River Ghaggar. (Longitude 76006.663' and Latitude 29050.723') (KTL-RDQ-018) | Longitude 76006.663' and Latitude 29050.723' | 10 | 42 | 310000 |
| 18 | River Ghaggar before meeting discharge of Ratia. (HSR-RDQ-005) | 29.693333, 75.580474 | 536.58 | 39 | 280000 |
| 19 | River Ghaggar after meeting of discharge of Ratia. (HSR-RDQ-007) | 29.716549, 75.549705 | 540.58 | 35 | 130000 |
| 20 | River Ghaggar before meeting discharge of Jhakhal (29.786392, | 29.786392, 75.826893 | 682 | 44 | 170000 |

| Sr. No. | Drains meeting with river Ghaggar | Latitude/ Longitude | Flow (In MLD) | BOD(mg /l) | F.Coli (MPN/100 ml) |
|---------|--|----------------------|---------------|------------|---------------------|
| | 75.826893) (HSR-RDQ-001) | | | | |
| 21 | River Ghaggar after meeting discharge of Jhakkhal (29.786392, 75.826893) (HSR-RDQ-003) | 29.786392, 75.826893 | 685 | 32 | 120000 |
| 22 | River Ghaggar before discharge of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-017) | 29.457123, 74.677554 | - | 43 | 180000 |
| 23 | River Ghaggar after discharged of 7.5 MLD STP PHED, Ellenabad Sirsa (HSR-RDQ-019) | 29.489821, 74.746049 | - | 27 | 120000 |

(C) Ground water quality status in the vicinity of river Ghaggar.

Ground water quality is being monitored at 78 locations in the catchment of river Ghaggar by HSPCB. Out of total 78 locations, ground water is found fit for drinking at 46 locations and non complying at 32 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

| Sr. No. | Region | No. of points monitored | Complying | Non-complying |
|--------------|-------------|-------------------------|-----------|---------------|
| 1 | Panchkula | 7 | 7 | 0 |
| 2 | Ambala | 7 | 7 | 0 |
| 3 | Jind | 2 | 0 | 2 |
| 4 | Kaithal | 15 | 6 | 9 |
| 5 | Kurukshetra | 1 | 1 | 0 |
| 6 | Hisar | 5 | 0 | 5 |
| 7 | Sirsa | 23 | 15 | 8 |
| 8 | Fatehabad | 18 | 10 | 8 |
| Total | | 78 | 46 | 32 |

River Yamuna

(a) Water Quality and flow of drains joining river Yamuna

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F.Coli |
|---------|--|----------------------|---------------|------------|--------|
| 1 | Dhanaura Escape before meeting River Yamuna, Village Jarauli, Karnal (KRN-RDQ-002) | 29.73336, 77.12788 | 125 | 60 | 63000 |
| 2 | Drain No.2 before meeting river Yamuna at vill. Khojkipur (PNP-RDQ-008) | 29.280218, 77.120858 | 955.2 | 76 | 141000 |

| Sr. No. | Name of drain | latitude/ Longitude | Flow (in MLD) | BOD (mg/l) | F.Coli |
|---------|---|----------------------|---------------|------------|---------|
| 3 | Drain no. 6 before entry in Delhi (SNP-RDQ-001) | 28.890391, 77.109702 | 55 | 72 | 58000 |
| 4 | Entry point of Mungeshpur drain in Delhi Territory, back side of Sainik School, Bypass, Bahadurgarh, Distt. Jhajjar (BDH-RDQ-001) | 28.669716, 76.949466 | 10 | 36 | 280000 |
| 5 | Entry point of KCB drain in Delhi Territory, Near MCD Toll Tax point, VPO-Lowa Siddhipur, Distt. Jhajjar (BDH-RDQ-002) | 28.650667, 76.937005 | 6 | 34 | 280000 |
| 6 | Entry point of Drain No. 8 in Delhi Territory, Near Dhansa Store of Executive Engineer, Irrigation & Flood Control Deptt. of Delhi Govt., VPO-Lohat, Distt. Jhajjar (BDH-RDQ-003) | 28.535362, 76.869600 | 44 | 21 | 80000 |
| 7 | Leg I Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-002) | 28.531019, 77.001858 | 72 | 16 | 9840 |
| 8 | Leg II Drain, before meeting Najafgarh Drain Gurgaon (GRN-RDQ-005) | 28.508322, 76.975010 | 135 | 19 | 8200 |
| 9 | Leg III (Badshpur) Drain before meeting Najafgarh Drain Gurgaon (GRN-RDQ-008) | 28.484470, 76.953334 | 398 | 28 | 12600 |
| 10 | Budhiya Nala before meeting river Yamuna, at Vill. Manjhawali, Faridabad (FBD-RDQ-010) | 28.382511, 77.481014 | 373.74 | 115 | 37200.0 |
| 11 | Gaunchi Drain before River Yamuna, Palwal (PWL-RDQ-005) | 27.914783, 77.517323 | 1234.25 | 27 | 35000.0 |

(b) Water Quality and flow of river Yamuna

| Sr. No. | Drains meeting with river Yamuna | latitude/ Longitude | Flow (in Cusecs) | BOD (mg/l) | F.Coli |
|---------|--|-----------------------|------------------|------------|--------|
| 1 | River Yamuna before meeting Maskara Nallah, upstream, Kalanaur (YMN-RDQ-001) | 29.726992/ 77.13079 | UP | 4.8 | 900 |
| 2 | River Yamuna after meeting Maskara Nallah, Down Stream, Kalanaur (YMN-RDQ-003) | 30.068276, 77.348271 | | 7 | 1700 |
| 3 | River Yamuna before meeting Dhanaura Escape upstream, Karnal (KRN-RDQ-001) | 29.73327/77.1277 | 352 | 2.6 | 170 |
| 4 | River Yamuna after meeting Dhanaura Escape downstream, Karnal (KRN-RDQ-003) | 29.72592 and 77.13278 | 381 | 5.6 | 210 |
| 5 | River Yamuna before meeting the discharge of Drain No. 2 at Vill. Sanjoli | | 664.5 | 6.2 | 1700 |

| Sr. No. | Drains meeting with river Yamuna | latitude/ Longitude | Flow (in Cusecs) | BOD (mg/l) | F.Coli |
|---------|--|-------------------------|------------------|------------|---------|
| | (PNP-RDQ-007) | | | | |
| 6 | River Yamuna after meeting the discharge of Drain No. 2 near Vill. Khojkipur. (PNP-RDQ-009) | 28.86158/ 77.206427 | 674.5 | 1.6 | 2600 |
| 7 | River Yamuna before meeting Diversion Drain no. 8 (SNP-RDQ-002) | 28.884931, 77.147185 | 97.84 | 4.8 | 1700 |
| 8 | River Yamuna after meeting Diversion Drain No. 8 at Palla (SNP-RDQ-004) | 28.379079/ 77.486982 | 110.07 | 3.8 | 22100 |
| 9 | Yamuna River upstream before Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-009) | 28.384703, 77.489578 | 370 | 22 | 27300.0 |
| 10 | Yamuna River downstream after meeting Budhiya Nalah at Vill. Manjhawali, Faridabad (FBD-RDQ-011) | 28.372917, 77.487966 | 405 | 32 | 33000.0 |
| 11 | River Yamuna D/S before Gaunchi Drain (PWL-RDQ-004) | 27.914783, 77.517323 | 355 | 20 | 19000.0 |
| 12 | River Yamuna D/S after Gaunchi Drain (PWL-RDQ-006) | 27.909736, 77.521114 | 472 | 29 | 22000.0 |

(C) Ground water quality status in the vicinity of river Yamuna.

Ground water quality is being monitored at 66 locations in the catchment of river Yamuna by HSPCB. Out of total 66 locations, ground water is found fit for drinking at 44 locations and non complying at 22 locations. Directions have already been conveyed to all the task forces to cap such water sources and a display board mentioning that "Water is not for drinking purpose" may be placed. The same has been compiled by the task forces.

| Sr. No. | Region | No. of Points monitored | Complying | Non-Complying |
|---------|---------------|-------------------------|-----------|---------------|
| 1 | Panipat | 9 | 6 | 3 |
| 2 | Faridabad | 8 | 8 | 0 |
| 3 | Ballabgarh | 6 | 1 | 5 |
| 4 | Palwal | 8 | 0 | 8 |
| 5 | Gurgaon South | 10 | 10 | 0 |
| 6 | Gurgaon North | 8 | 8 | 0 |
| 7 | Karnal | 5 | 0 | 5 |
| 8 | Nuh | 1 | 0 | 1 |
| 9 | Sonepat | 11 | 11 | 0 |
| | Total | 66 | 44 | 22 |

XIV. Ground water regulation:

The industries are being persuaded to obtain permission from CGWA for extraction of ground water.

XV. Good irrigation practices being adopted by the State:

The major demand for river water is for Irrigation purposes and accordingly the State of Haryana has taken initiatives for water efficient farming practices which are given as under:-

(a) Project of Recycle and Ruse of Treated Wastewater for Irrigation Purpose

Project was prepared under the guidelines of the scheme for "Incentivization Scheme for Bridging Irrigation Gap (ISBIG) of Ministry of water Resources, River Development and Ganga Rejuvenation, govt. of India" under components infrastructure for conveyance and additional treatment of municipal and industrial wastewater for augmenting water for the farm use "Project Under newly created Irrigation Efficiency in phasing during the financial year 2018-19 to 2020-2021 for amounting in Rs. 235.94 Crore only. 13 STPs with 157.60 capacity in the catchment of river Yamuna are selected for the project.

(b) Installation of community based solar/grid powered mirco-irrigaton infrastructure in existing canal commands

Six communities based solar/grid powered mirco-irrigaton facilities have been installed for Irrigation of 768 hectare land.

XVI. Demarcation of Floodplain and removal of illegal encroachments:

All the construction activities are banned on river Yamuna/Ghaggar Flood Plains and no encroachment on river Yamuna is allowed as per section 45 of Haryana Canal and Drainage Act, 1974. However, if any encroachment exists on river Yamuna/Ghaggar is immediately removed in accordance of this Act.

XVII. Maintaining minimum e-flow of river:

River Ghaggar

It is brought out that Ghaggar river is not a perennial river and discharge varies from zero to maximum during flood seasons. Around 15-20% of the lowest possible discharge in the lean season is required for maintaining E- flow. In our case the discharge varies from zero to maximum so maintaining E-flow is not possible. However, the monthly flow of all the major drains joining river Ghaggar is being measured regularly on monthly basis and quantity of flow is as under:

River Yamuna

It has been reported by the Irrigation and Water Resources Department, Haryana that as per MoU dated 12.05.1994 signed among the States of UP, Haryana, Rajasthan, Himachal Pradesh & NCT of Delhi, a minimum discharge of 352 cusec water is released in Yamuna river from Hathnikund barrage at lean period also to maintain the E-flow of river which was in accordance with the guidelines of Ministry of Water

Resources, River Development & Ganga Rejuvenation, Govt. of India in compliance of the order of Hon'ble NGT dated 11.06.2015. However, in case excess discharge is received at HKB (in monsoon seasons) in comparison to capacity of channel, then this excess discharge is released into river Yamuna through Somb Nadi and the indented supply is released in the channel.

XVIII. Plantation activities along the rivers:

River Ghaggar

Urban an Estate Wise Plantation Done in HSVP Area

| Sr. No. | Name of U/E | Plantation Done in the Year 2018-19 | Plantation Done in Year 2019-20 | Plantation Done in Year 2020-21 |
|----------------|--------------------|--|--|--|
| 1 | Panchkula | 5000 | 7820 | 3993 |
| 2 | Ambala | 1500 | 3626 | 3344 |
| 3 | Pehowa | 0 | 0 | 0 |
| 4 | Naraingarh | 0 | 0 | 0 |
| 5 | Kurukshetra | 2000 | 3472 | 1870 |
| 6 | MTS Gulha | 0 | 0 | 0 |
| 7 | MTS Pundri | 0 | 0 | 0 |
| 8 | Kaithal | 1000 | 3160 | 1880 |
| | | 9500 | 18078 | 11087 |

Plantation done in catchment of River Ghaggar by Forest Department in 2021-22

Forest Department has selected around 108 villages in the catchment areas of river Ghaggar and has proposed to plant around 5.8 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

| Sr. No. | Name of District | No. of village | No. of plants to be planted | No. of plants planted till date |
|----------------|-------------------------|-----------------------|------------------------------------|--|
| 1 | Panchkula | 16 | 353008 | 180000 |
| 2 | Ambala | 10 | 66850 | 48000 |
| 3 | Kaithal | 6 | 13200 | 9500 |
| 4 | Fatehabad | 30 | 382345 | 215870 |
| 5 | Sirsa | 46 | 199450 | 127860 |
| | Total | 108 | 1014853 | 581230 |

River Yamuna

Urban an Estate Wise Plantation Done in HSVP Area

| Sr. No. | Name of U/E | Plantation Done in the Year 2018-19 | Plantation Done in Year 2019-20 | Plantation Done in Year 2020-21 |
|----------------|----------------------|--|--|--|
| 1 | Jagadhri / Yamunagar | 500 | 1178 | 1347 |
| 2 | Shahabad | 0 | 0 | 0 |

| Sr. No. | Name of U/E | Plantation Done in the Year 2018-19 | Plantation Done in Year 2019-20 | Plantation Done in Year 2020-21 |
|---------|-------------|-------------------------------------|---------------------------------|---------------------------------|
| 3 | Karnal | 5000 | 2810 | 4900 |
| 4 | Faridabad | 14300 | 22490 | 14900 |
| 5 | Palwal | 100 | 300 | 360 |
| 6 | Rojka Meo | 500 | 100 | 64 |
| | | 20400 | 26878 | 21571 |

Plantation done in catchment of river Yamuna by Forest Department in 2021-22.

Forest Department has selected around 64 villages in the catchment areas of river Yamuna and has proposed to plant around 2.2 lakh plants in the coming season. The sites for development of Parks have also been identified and a plan has also been prepared. The details are as under:-

| Sr. No. | Name of District | No. of village | No. of plants to be planted | No. of plants planted till date |
|---------|------------------|----------------|-----------------------------|---------------------------------|
| 1 | Yamuna Nagar | 9 | 99464 | 65280 |
| 2 | Karnal | 14 | 24500 | 20000 |
| 3 | Panipat | 16 | 102950 | 76208 |
| 4 | Sonepat | 16 | 20000 | 16860 |
| 5 | Faridabad | 6 | 40000 | 32185 |
| 6 | Palwal | 3 | 17510 | 16800 |
| | Total | 64 | 304424 | 227333 |

XIX. Development of biodiversity park:

River Ghaggar

| District | Name | Areas in Acre. |
|--------------|---|----------------|
| Panchkula | i) World Herbal Forest, Morni | 12500 |
| | ii) Kapoor Vatika at Mallah | 25 |
| | iii) Thapli Herbal Park at Village Thapli | 10 |
| | iv) Tikka-Tal Herbal Park | 20 |
| Fatehabad | i) Mulethi Vatika at Gilakhera | 14 |
| | ii) Er. Kanwar Sain Gupta Herbal Park at Tohana | 25 |
| Sirsa | i) Bahera Vatika at Village Fulkan Village | 17 |
| Total | | 12611 |

River Yamuna

| District | Names | Area in Acre |
|--------------|---|--------------|
| Yamuna Nagar | i) Rudraksh Vatika at village Chuhanpur | 184 |
| | ii) Adi Badri Herbal Park | 10 |
| Karnal | i) Ashok Vatika at Gharaunda | 5 |
| | ii) Indri Herbal Park | 10 |
| Panipat | i) Bilva Vatika at Pati Kalyana Village | 14 |
| Sonipat | ii) Amaltas Vatika Pati Kalyana Village | 8 |
| | ii) Khanpur Kalan Herbal Park | 12 |
| Faridabad | i) Ratanjot Vatika at Gurugram Canal at Faridabad | 10 |

| District | Names | Area in Acre |
|--------------|-------|--------------|
| Palwal | | 0 |
| Total | | 253 |

XX. Reuse of Treated Water:

The State has also prepared the action plan for reuse of treated sewage and same is submitted to CPCB. As per the action plan, approx 80% of treated sewage will be reutilized by 2024-2025.

Irrigation & Water Resources Department has formulated a project costing Rs. 500.00 crore for 35 STPs having capacity of 338.85 MLD for use of treated waste water for irrigation – Details of STPs collected from I&WR attached as **Annexure-7**.

XXI. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

Both Ghaggar and Yamuna river stretches.

XXII. Status of Preparation of Action Plan by the 13 Coastal States:

NA

XXIII. Regulation of Mining Activities in the State/UT:

Action taken report in compliance with the Environment & Monitoring Guidelines for Sand Mining Policy, 2020.

| District | Period | Vehicle seized in illegal mining/illegal transportation of mineral | Vehicle released | Penalty imposed | Compliant lodged against illegal minors | FIR lodged against illegal minors |
|----------|----------|--|------------------|-----------------|---|-----------------------------------|
| PKL | Nov-20 | 4 | 1 | 211500 | 0 | 0 |
| | Dec-20 | 1 | 2 | 631000 | 0 | 0 |
| | Jan-21 | 7 | 3 | 943850 | 0 | 0 |
| | Feb-21 | 19 | 7 | 1521000 | 1 | 1 |
| | June, 21 | 295 | 170 | 46314091 | 3 | 3 |
| YNR | Nov-20 | 38 | 20 | 6061000 | 33 | 17 |
| | Dec-20 | 59 | 25 | 8514142 | 28 | 23 |
| | Jan-21 | 58 | 13 | 3659000 | 31 | 27 |
| | Feb-21 | 40 | 13 | 3368000 | 36 | 10 |
| | June, 21 | 81 | 26 | 6629000 | 0 | 27 |
| PNP/KNL | Nov-20 | 20 | 13 | 3910000 | 0 | 0 |
| | Dec-20 | 30 | 26 | 6260000 | 0 | 0 |
| | Jan-21 | 12 | 9 | 2014000 | 0 | 0 |
| | Feb-21 | 16 | 13 | 3221000 | 0 | 0 |
| | June, 21 | 20 | 13 | 3223800 | 0 | 0 |
| SNP | Nov-20 | 33 | 24 | 6162850 | 2 | 0 |

| District | Period | Vehicle seized in illegal mining/illegal transportation of mineral | Vehicle released | Penalty imposed | Compliant lodged against illegal minors | FIR lodged against illegal minors |
|----------|--------------|--|------------------|------------------|---|-----------------------------------|
| | Dec-20 | 46 | 24 | 6382135 | 1 | 0 |
| | Jan-21 | 43 | 22 | 6574875 | 1 | 0 |
| | Feb-21 | 19 | 37 | 11131750 | 1 | 0 |
| | June, 21 | 15 | 0 | 0 | 0 | 0 |
| FBD/PWL | Nov-20 | 6 | 9 | 2271744 | 0 | 0 |
| | Dec-20 | 4 | 11 | 3746790 | 0 | 0 |
| | Jan-21 | 1 | 8 | 1360300 | 0 | 0 |
| | Feb-21 | 530 | 397 | 107854788 | 0 | 0 |
| | June, 21 | 24 | 12 | 1530150 | 0 | 0 |
| KKR/KTL | Feb-21 | 10 | 5 | 1556000 | 0 | 0 |
| | June, 21 | 19 | 10 | 2050000 | 0 | 0 |
| AMB | Feb-21 | 12 | 5 | 1529500 | 0 | 2 |
| | June, 21 | 11 | 1 | 214500 | 5 | 5 |
| | Total | 1473 | 919 | 248846765 | 142 | 115 |

Now, information for the month of July to Sept, 2021 has been prepared as per table given below:

| District | Month | Vehicle seized in illegal mining/illegal transportation of mineral | Vehicle released | Penalty imposed | Compliant lodged against illegal minors | FIR lodged against illegal minors |
|---|-----------------|--|------------------|-----------------|---|-----------------------------------|
| Panchkula Ambala Yamuna Nagar Kurukshetra/Kaithal Panipat/ Karnal Sonapat Faridabad/ Palwal | July-21 | 132 | 72 | 10987120 | 42 | 69 |
| | Aug, 21 | 113 | 51 | 5692671 | 17 | 31 |
| | Sept, 21 | 51 | 36 | 4719676 | 28 | 21 |
| | Total | 296 | 159 | 21399467 | 88 | 121 |

Apart from above information, the concerned field officers have also provided the status of running mines under Ghaggar Action Plan/River Action Plan. The districtwise status of such mines are as under:-

| Sr. No. | Name of District | Name of mines | Violation if any | Action taken by field officer |
|---------|------------------|--|------------------------|--|
| 1 | Panchkula | M/s Tripati Roadways-Rattewali | No violation reported. | |
| | | M/s Ganesh Royalty Co (Charnia Block-4) | Defaulted in payment | Defaulted in payment of contract money from June, 2020 to todote. Notice issued on 19.02.2021 but only part payment deposited. |
| | | M/s Shiv Enterprises (Sukhdarshanpur Block-13) | No violation reported | |
| 2 | Ambala | No operational mines | | |
| 3 | Yamuna | M/s Tripati Earth & | No violation | |

| Sr. No. | Name of District | Name of mines | Violation if any | Action taken by field officer |
|---------|------------------|--|-----------------------|---|
| | Nagar | Project Pvt. Ltd. (Block Nagla Rangran) | reported | |
| | | M/s Joginder Singh S/o Mohinder Singh (Block Gumthla North) | Defaulted in payment | Defaulted in paying contract money but mine was suspended & revoked. |
| | | M/s Elite Mining Corporation (Block Gumthla south) | No violation reported | |
| | | M/s Development strategies India Pvt. Ltd. (Block Pobari) | Defaulted in payment | Contract money (CM) not paid since 01.12.2020 to date. |
| | | M/s Kawaljeet Singh Batra (Block- MT Karehra) | No violation reported | |
| | | M/s MP traders (Block Nagli) | No violation reported | |
| | | M/s Joginder Singh S/o Mohinder Singh (Block- Gumthla south) | No violation reported | |
| | | M/s P.S Builtech (Block Jathlana) | No violation reported | |
| | | M/s Astin Excavation & Mining Pvt. Ltd. (Unit-II) | Defaulted in payment | Not paid CM from 01.08.2020 to date but mine suspended and revoked |
| | | M/s JPY Consortium Pvt. Ltd. (Block Dhanoura) | Defaulted in payment | Not paid CM from 01.04.2020 to 31.03.2021 E-rawana suspended & later on revoked. |
| | | M/s Routes & Journeys (Block-Bear Tapu) | Defaulted in payment | Defaulted in payment from 01.11.2020 to 31.03.2021. Mines suspended & revoked later on. |
| | | M/s JSM Pvt. Ltd. (Block- Mandoli Ghaggar East) | Defaulted in payment | Defaulted in payment from 01.12.2020 to 31.03.2021. |
| | | M/s JSM Pvt. Ltd. (Block- Mandoli Ghaggar West) | Defaulted in payment | Defaulted in payment from 01.12.2020 to 31.03.2021. |
| | | M/s Mubarikpur Royalty Company (Block - Bailgarh South) | Defaulted in payment | Defaulted in payment from 01.01.2021 to 31.03.2021. |
| | | M/s P.S. Buitech (Block-Kanalsi) | Defaulted in payment | Defaulted in payment from 01.11.2020 to 31.03.2021. |
| 4 | Kurukshetra | No operation mines | | |
| 5 | Panipat/ | M/s Jai Yamuna Ji | No violation | |

| Sr. No. | Name of District | Name of mines | Violation if any | Action taken by field officer |
|---------|----------------------|--|-----------------------|-------------------------------|
| | Karnal | Developers | reported | |
| 6 | Sonepat | M/s Anand Singh and Co (Tikola-2) | No violation reported | |
| | | M/s Yodha Mines and Minerals (Jainpur-2) | No violation reported | |
| 7 | Faridabad/ Palwal | No operational mines | | |

XXIV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring.

Action by HSPCB

✓ **Ghaggar**

- No. of industries inspected - 263
- No. of closure order issued against violating units - 232
- No. of violating units prosecuted - 67
- No. of violating units against whom EC imposed - 39
- Amount of EC Imposed - 7.9 Crore
- Charge sheet issued against 1 Environmental Engineer & 1 Assistant Environmental Engineer for failure for vigorous monitoring.

▪ **Yamuna**

- No. of industries inspected - 1119
- No. of closure order issued against violating units - 847
- No. of violating units prosecuted - 240
- No. of violating units against whom EC imposed - 62
- Amount of EC Imposed - 65.5 Crore

Annexure-1

Status of existing STPs in the catchment of river Ghaggar

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|--------------------|--|--------|---------------------------------|------------------|----------------------------------|
| Ambala | | | | | |
| 1 | 3.00 MLD STP Naya Gaon , Unit.I , Ambala City by PHED in January, 2011 | PHED | 3 | 27.10.2021 | Non-Complying |
| 2 | 3.25 MLD STP Naya Gaon , Unit.II Ambala City by PHED in 1.4.2016 | PHED | 3.25 | 27.10.2021 | Complying except Faecal Coliform |
| 3 | 5 MLD Baldev Nagar , Unit.I , Ambala City by PHED 1.12.2012 | PHED | 5 | 27.10.2021 | Non-Complying |
| 4 | 3.25 Baldev Nagar , Unit.II ,Ambala City by PHED in 1.4.2016 | PHED | 3.25 | 27.10.2021 | Non-Complying |
| 5 | 5 MLD Moti Nagar, Unit.I , Ambala City by PHED in June 2010 | PHED | 5 | 19.10.2021 | Non-Complying |
| 6 | 5 MLD STP Moti Nagar , Unit.II , Ambala City by PHED Ambala in 1.8.2016 | PHED | 5 | 19.10.2021 | Non-Complying |
| 7 | 6 MLD STP Modal Town, Ambala City by PHED in 1.7.2012 | PHED | 6 | 27.10.2021 | Non-Complying |
| 8 | 3.25 Nasirpur Ambala City by PHED in 31.9.2016 | PHED | 3.25 | 27.10.2021 | Non-Complying |
| 9 | 0.25 MLD Sadopur , Ambala PHED in 31.12.2016 | PHED | 0.25 | 27.10.2021 | Complying |
| 10 | 3.00 MLD Devi Nagar , Ambala City by PHED on 31.5.2013 | PHED | 3 | 27.10.2021 | Non-Complying |
| 11 | 3 MLD STP Nariangarh , Ambala by PHED in 1.7.2014 | PHED | 3 | 27.10.2021 | Non-Complying |
| 12 | 2 MLD STP Sec.7 , Urban Estate , Ambala City Ambala by HUDA in 10.9.2015 | HSVP | 2 | 28.10.2021 | Complying except Faecal Coliform |
| 13 | 5 MLD STP Ambala by HSVP | | 5 | | Complying |
| Kurukshetra | | | | | |
| 14 | 25 MLD STP Thanesar, Kurukshetra by PHED in 31.05.2019 | PHED | 25 | 12.10.2021 | Complying |
| 15 | 8 MLD STP Model Town , Pehowa Kurukshetra by PHED in May dt. 2015 | PHED | 8 | 12.10.2021 | Complying |

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|------------------|--|--------|---------------------------------|------------------|----------------------------------|
| 16 | 11.5 MLD STP Ladwa Road , Shahbad Kurukshetra by PHED in May, 2016 | PHED | 11.5 | 12.10.2021 | Complying |
| 17 | 15 MLD STP Kurukshetra by HSVP | HSVP | 15 | 12.10.2021 | Complying |
| Panchkula | | | | | |
| 18 | 4.5 MLD Kalka Panchkula by PHED in 30.3.2015 | PHED | 4.5 | 18.10.2021 | Complying except Faecal Coliform |
| 19 | 0.25 MLD Kalka Panchkula by PHED in 28.5. 2017 | PHED | 0.25 | 05.10.2021 | Complying except Faecal Coliform |
| 20 | 5 MLD STP Nalagarh Road, Manakpur, Pinjore Panchkula by PHED 31.1.2015 | PHED | 5 | 05.10.2021 | Complying except Faecal Coliform |
| 21 | 18 MLD STP Panchkula by HUDA in 31.12.2002 | HSVP | 18 | 18.10.2021 | Complying except Faecal Coliform |
| 22 | 39 MLD STP Panchkula by HUDA in Nov. 2011 | HSVP | 39 | 18.10.2021 | Complying |
| 23 | 15 MLD STP Sector- 28, Panchkula by HUDA in 2012 | HSVP | 15 | 18.10.2021 | Complying except Faecal Coliform |
| 24 | 9 MLD STP Garrison Engineer , Chandimandir Panchkula in April 2012 | GE | 9 | 05.10.2021 | Complying |
| Jind | | | | | |
| 25 | 15 MLD STP by PHED Jind in Jan, 2009 | PHED | 15 | 26.10.2021 | Non Complying |
| 26 | 3.5 MLD Patiala Road , Narwana by PHED in Jan , 2011 | PHED | 3.5 | 27.10.2021 | Non-Complying |
| 27 | 3.75 MLD STP Narwana Jind by PHED in Jan , 2011 | PHED | 3.75 | 27.10.2021 | Non-Complying |
| 28 | 02 MLD STP, PHED , Dablain Road, Narwana, Jind (24.5.2017) | PHED | 2 | 27.10.2021 | Non-Complying |
| 29 | 2 MLD STP Uchana Jind by PHED in 22.2.2012 | PHED | 2 | 26.10.2021 | Non-Complying |
| 30 | 1.5 MLD Uchana by PHED in 31.5.2013 | PHED | 1.5 | 26.10.2021 | Non Complying |
| 31 | 5 MLD STP Jind by PHED in 1.4.2016 | PHED | 5 | 26.10.2021 | Non Complying |
| 32 | 7 MLD STP, Jind by PHED in 30.11.2019 | PHED | 7 | 26.10.2021 | Complying |
| 33 | 9 MLD STP Safidon , Jind by PHED in 31.05.2018 | PHED | 9 | 26.10.2021 | Complying |
| 34 | 10 MLD by HUDA Jind in 27.12.2014 | HSVP | 10 | 26.10.2021 | Complying except Faecal Coliform |

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|----------------|---|--------|---------------------------------|------------------|--------------------------|
| Kaithal | | | | | |
| 35 | 10 MLD STP Cheeka, Kaithal by PHED in 1.4.2013 | PHED | 10 | 22.10.2021 | Complying |
| 36 | 10 MLD STP , Jind Road Kaithal by PHED in September , 2012 | PHED | 10 | 06.10.2021 | Complying |
| 37 | 10 MLD STP Manas Road, Kaithal by PHED in June , 2006 (MBBR) | PHED | 10 | 06.10.2021 | Complying |
| 38 | 10 MLD Manas Road,Kaithal bby PHED in Sep , 2012 (SBR) | PHED | 10 | 06.10.2021 | Complying |
| 39 | 5 MLD STP Kalayat , Kaithal by PHED in 1.4.2014 | PHED | 5 | 21.10.2021 | Complying |
| 40 | 3.5 Pundri Kaithal by PHED in 4.7.2014 | PHED | 3.5 | 05.10.2021 | Complying |
| 41 | 7.5 MLD Kaithal by HUDA in 31.8.2016 | HSVP | 7.5 | 06.10.2021 | Complying |
| Hisar | | | | | |
| 42 | 15 MLD STP Azad Nagar, Rajgarh Road Hisar by PHED in 31.12.2014 | PHED | 15 | 04.10.2021 | Complying |
| 43 | 40 MLD STP Rishi Nagar , Hisar by PHED in 02.12.2017 | PHED | 40 | 04.10.2021 | Complying |
| 44 | 4 MLD STP Narnaund, Hisar by PHED | PHED | 4 | 04.10.2021 | Complying |
| 45 | 4 MLD STP Kaimri Road, Hisar by PHED in 2018 | PHED | 4 | 04.10.2021 | Non-Complying |
| 46 | 15 MLD STP Dabara Tosham Road , Hisar by HUDA in 31.7.2014 | HSVP | 15 | 04.10.2021 | Complying |
| 47 | 8 MLD STP Village Dabra by ULBD | ULBD | 8 | | Complying |
| Sirsa | | | | | |
| 48 | 15 MLD STP, Shamsabad patti , Kalaria Road, Sirsa by PHED in 1.7.2012 | PHED | 15 | 06.10.2021 | Complying |
| 49 | 5 MLD STP ,Vill. Nattar 1 , Sirsa by PHED in 1.5.2013 | PHED | 5 | 06.10.2021 | Non-Complying |
| 50 | 5 MLD STP , Vill. Nattar 2 , Sirsa by PHED in 14.09.17 | PHED | 5 | 06.10.2021 | Non-Complying |
| 51 | 7.5 MLD STP Ellenabad Sirsa by PHED in 11.5.2015 | PHED | 7.5 | 06.10.2021 | Complying |
| 52 | 9.5 MLD STP, Daddu Road,Kalanwali , Sirsa by PHED in 17.02.2018 | PHED | 9.5 | 06.10.2021 | Complying |

| Sr. No. | Name and Region of STPs | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|------------------------------|---|--------|---------------------------------|------------------|----------------------------------|
| 53 | 6 MLD STP Rania Sirsa by PHED in 30.6.2017 | PHED | 6 | 06.10.2021 | Complying except Faecal Coliform |
| 54 | 16.5 MLD STP Dabwali, Sirsa by PHED in 04.12.2017 | PHED | 16.5 | 06.10.2021 | Complying |
| 55 | 20 MLD STP at Kelnia Sirsa by PHED | PHED | 20 | 06.10.2021 | Complying except Faecal Coliform |
| Fatehabad | | | | | |
| 56 | 10 MLD STP Vill. Bhodia Khera, Bhattu Road, Fatehabad by PHED in 1.4.2013 | PHED | 10 | 12.10.2021 | Non-Complying |
| 57 | 10 MLD STP Vill. Amani, Tohana, Distt. Fatehabad by PHED in 1.4.2013 | PHED | 10 | 12.10.2021 | Non Complying |
| 58 | 6.5 MLD STP Ratia , Fatehabad by PHED in 1.9.2014 | PHED | 6.5 | 12.10.2021 | Non Complying |
| 59 | 5 MLD STP Kharati Khera Road, Fatehabad by PHED in 31.10.2018 | PHED | 5 | 12.10.2021 | Complying |
| 60 | 3 MLD STP Jhakhhal Mandi, Fatehabad by PHED in 30.9.2019 | PHED | 3 | 12.10.2021 | Complying |
| 61 | 8 MLD STP at Bhuna, Fatehabad | PHED | 8 | | Complying |
| 62 | 10 MLD STP Majra, Fatehabad by HUDA in 16.12.17 | HSVP | 10 | 12.10.2021 | Complying except Faecal Coliform |
| Total No. of STPs- 62 | | | 535 | | |

Annexure-2

Status of existing STPs in the catchment of river Yamuna

| Sr. No. | Name of the STP | Deptt. | Capacity | Date of Sampling | Latest compliance status |
|---------------------------|---|---------------|-----------------|-------------------------|----------------------------------|
| Yamuna Nagar | | | | | |
| 1 | Radaur Road, Yamuna Nagar by PHED | PHED | 20 | 21.10.2021 | Complying |
| 2 | Radaur Road, Yamuna Nagar by PHED | PHED | 25 | 22.10.2021 | Complying |
| 3 | Baddimajra, Yamuna Nagar by PHED* | PHED | 10 | 22.10.2021 | Complying |
| 4 | Baddimajra, Yamuna Nagar by PHED* | PHED | 10 | | Complying |
| 5 | Parwaloo, Jagadhri Yamuna Nagar by PHED | PHED | 24 | 22.10.2021 | Complying |
| 6 | Chhachhrauli Yamuna Nagar by PHED | PHED | 3 | 22.10.2021 | Complying |
| 7 | Radaur Yamuna Nagar by PHED | PHED | 3.5 | 22.10.2021 | Complying |
| Ladwa, Kurukshetra | | | | | |
| 8 | Indri Road, Ladwa Kurukshetra by PHED | PHED | 7 | 12.10.2021 | Complying |
| Karnal | | | | | |
| 9 | Indri, Karnal by PHED* | PHED | 4 | 22.10.2021 | Complying except Faecal Coliform |
| 10 | Nilokheri, Karnal by PHED | PHED | 6 | 08.10.2021 | Complying except Faecal Coliform |
| 11 | Nissing Karnal by PHED | PHED | 4 | 18.10.2021 | Complying except Faecal Coliform |
| 12 | Tarori Karnal by PHED | PHED | 5.5 | 08.10.2021 | Complying except Faecal Coliform |
| 13 | Gharaunda, Karnal by PHED | PHED | 7 | 08.10.2021 | Complying except Faecal Coliform |
| 14 | Gogharipur Road, karnal by ULB | ULBD | 10 | 22.10.2021 | Complying except Faecal Coliform |
| 15 | RK Puram, Karnal by ULB | ULBD | 8 | 22.10.2021 | Complying except Faecal Coliform |
| 16 | Transport Nagar, | ULBD | 50 | 08.10.2021 | Complying |

| Sr. No. | Name of the STP | Deptt. | Capacity | Date of Sampling | Latest compliance status |
|----------------|--|--------|----------|------------------|---------------------------------------|
| | Karnal by ULB* | | | | except Faecal Coliform |
| Panipat | | | | | |
| 17 | Sewah, Panipat by PHED | PHED | 35 | 28.10.2021 | Complying except Faecal Coliform |
| 18 | Sewah, Panipat Panipat by PHED | PHED | 25 | 28.10.2021 | Complying |
| 19 | Jattal Road, Panipat by PHED | PHED | 20 | 28.10.2021 | Complying |
| 20 | Jattal Road, Panipat by PHED | PHED | 10 | 28.10.2021 | Complying except Faecal Coliform |
| 21 | Samalkha, Panipat by PHED | PHED | 5 | 28.10.2021 | Non-Complying |
| 22 | Sec-19, Panipat by HSVP | HSVP | 30 | 28.10.2021 | Complying |
| 23 | Sec-6, Panipat by HSVP | HSVP | 0.8 | 28.10.2021 | Complying except Faecal Coliform |
| Sonepat | | | | | |
| 24 | Kharkhoda Sonepat by PHED | PHED | 4.5 | 08.10.2021 | Non Complying |
| 25 | Ganaur Sonepat | PHED | 7 | 08.10.2021 | Non Complying |
| 26 | Gohana Sonepat by PHED | PHED | 3 | 08.10.2021 | Non Complying |
| 27 | Gohana Sonepat by PHED | PHED | 8.3 | 08.10.2021 | Non Complying |
| 28 | Rathdana Road, Sonepat by ULB | ULBD | 30 | 08.10.2021 | Complying |
| 29 | Kakroi Road, Sonepat by ULB | ULBD | 25 | 31.08.2020 | Non Complying (no effluent generated) |
| 30 | Rajiv Gandhi Edu. City, Phase-I, Sonepat by HSVP | | 7.5 | 08.10.2021 | Complying |
| Rohtak | | | | | |
| 31 | PGI Rohtak by PHED | PHED | 19.5 | 30.10.2021 | Complying |
| 32 | Sonaria, Rohtak by PHED | PHED | 40 | 30.10.2021 | Non-complying |
| 33 | Kalanaur Rohtak by PHED | PHED | 3.5 | 30.10.2021 | Non-complying |
| 34 | Meham Rohtak by | PHED | 5 | 30.10.2021 | Non-complying |

| Sr. No. | Name of the STP | Deptt. | Capacity | Date of Sampling | Latest compliance status |
|------------------|------------------------------------|--------|----------|------------------|-----------------------------------|
| | PHED | | | | |
| 35 | Singhpura, Rohtak by PHED | PHED | 14 | 30.10.2021 | Complying |
| 36 | Sampla Rohtak by PHED | PHED | 4 | 30.10.2021 | Non-complying |
| 37 | Sec-25, Rohtak by HSVP | HSVP | 10 | 30.10.2021 | Non-complying |
| 38 | Singhpura, Rohtak by ULB* | | 10 | | Non Complying (Under Maintenance) |
| Jhajjar | | | | | |
| 39 | Jhajjar by PHED | PHED | 5 | 22.10.2021 | Non Complying |
| 40 | Jhajjar by PHED | PHED | 5.5 | 22.10.2021 | Non Complying |
| 41 | Beri Jhajjar by PHED | PHED | 2 | 15.02.2021 | Complying except Faecal Coliform |
| 42 | Line Par, Bahadurgarh by PHED | PHED | 18 | 30.10.2021 | Non Complying |
| 43 | Najafgarh road Bahadurgarh by PHED | PHED | 36 | 30.10.2021 | Complying except Faecal Coliform |
| 44 | Sec-36, Bahadurgarh by HSVP | HSVP | 10 | 30.10.2021 | Non-complying |
| Nuh | | | | | |
| 45 | Tarou by PHED | PHED | 4.5 | 30.10.2021 | Non Complying |
| 46 | Punhana by PHED | PHED | 4.5 | 30.10.2021 | Non Complying |
| 47 | Nuh by PHED | PHED | 3.6 | 30.10.2021 | Non Complying |
| 48 | Ferozpur Jhirka by PHED | PHED | 5 | 30.10.2021 | Non Complying |
| Palwal | | | | | |
| 49 | Hathin by PHED | PHED | 4.5 | 22.10.2021 | Non Complying |
| 50 | Hodal by PHED | PHED | 9 | 22.10.2021 | Non Complying |
| 51 | Palwal by PHED | PHED | 9 | 22.10.2021 | Non Complying |
| 52 | Hassanpur by PHED | PHED | 3 | 20.09.2021 | Non Complying |
| Faridabad | | | | | |
| 53 | Badshahpur, Faridabad by ULB | ULBD | 45 | 14.10.2021 | Non-complying |
| 54 | Faridabad by HSVP | HSVP | 7.5 | | Complying |
| Gurugram | | | | | |
| 55 | Dhanwapur, Gurgaon by GMDA | GMDA | 50 | 10.11.2021 | Complying |

| Sr. No. | Name of the STP | Deptt. | Capacity | Date of Sampling | Latest compliance status |
|----------------|----------------------------|---------------|-----------------|-------------------------|----------------------------------|
| 56 | Dhanwapur, Gurgaon by GMDA | GMDA | 68 | 10.11.2021 | Complying |
| 57 | Behrampur, Gurgaon by GMDA | GMDA | 120 | 10.11.2021 | Complying except Faecal Coliform |
| 58 | Behrampur, Gurgaon by GMDA | GMDA | 50 | 10.11.2021 | Complying |
| 59 | Dhanwapur, Gurgaon by GMDA | GMDA | 100 | 10.11.2021 | Non-Complying |
| | Total | | 1074.2 | | |

Annexure-3

Status of existing STPs in the catchment of other catchment

| Sr. No. | Name of the town/ city | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|---------------------|--|--------|---------------------------------|------------------|----------------------------------|
| Gurugram | | | | | |
| 1 | Sohna, Gurgaon | PHED | 6 | 08.10.2021 | Non-Complying |
| 2 | Pataudi, Gurgaon | PHED | 4.5 | 09.11.2021 | Non-Complying |
| 3 | Farrukhnagar, Gurgaon | PHED | 3 | 05.10.2021 | Complying except Faecal Coliform |
| 4 | Haily Mandi, Gurgaon | PHED | 5.5 | 10.11.2021 | Complying except Faecal Coliform |
| Jind | | | | | |
| 5 | Julana, Jind | PHED | 4 | 20.09.2021 | Non-Complying |
| Bhiwani | | | | | |
| 6 | Dhana Road, Bhiwani | PHED | 10 | 28.09.2021 | Non-Complying |
| 7 | Bhiwani | PHED | 10 | 28.09.2021 | Non-Complying |
| 8 | Bhiwani, Phase-I | PHED | 15 | 28.09.2021 | Complying except Faecal Coliform |
| 9 | Bhiwani, Phase-II | PHED | 15 | 24.08.2021 | Complying except Faecal Coliform |
| 10 | Charkhi Dadri, Bhiwani | PHED | 5 | 30.09.2021 | Non-Complying |
| 11 | Chirya Road, Charkhi Dadri, Bhiwani | PHED | 5 | 30.09.2021 | Non-Complying |
| 12 | Bawani Khera, Bhiwani | PHED | 4.5 | 28.09.2021 | Non-Complying |
| 13 | Loharu, Bhiwani | PHED | 3.5 | 28.09.2021 | Non-Complying |
| 14 | Tosham, Bhiwani | PHED | 3 | 31.08.2021 | Complying except Faecal Coliform |
| 15 | Siwani, Bhiwani | PHED | 4 | 30.09.2021 | Non-Complying |
| 16 | Bhiwani | HSVP | 10 | 30.09.2021 | Complying except Faecal Coliform |
| Mohindergarh | | | | | |
| 17 | Mohindergarh | PHED | 6.5 | 28.09.2021 | Non-Complying |
| 18 | Ateli Mandi, Mohindergarh | PHED | 2 | 28.09.2021 | Non-Complying |
| 19 | Kanina, Mohindergarh | PHED | 3 | 28.09.2021 | Non-Complying |
| 20 | Rewari Road, Narnaul, Mohindergarh | PHED | 7.5 | 28.09.2021 | Non-Complying |
| 21 | Near Chinkara Rest House, Rewari Road, Narnaul | MC | 6 | 01.12.2020 | Complying except Faecal Coliform |

| Sr. No. | Name of the town/ city | Deptt. | Existing STP and Capacity (MLD) | Date of sampling | Latest Compliance Status |
|------------------|-----------------------------------|--------|---------------------------------|------------------|----------------------------------|
| Rewari | | | | | |
| 22 | Bawal, Rewari | PHED | 3 | 27.09.2021 | Non-Complying |
| 23 | Rewari | PHED | 6.5 | 29.09.2021 | Non-Complying |
| 24 | Rewari | PHED | 8 | 29.09.2021 | Non-Complying |
| 25 | Rewari | PHED | 16 | 29.09.2021 | Complying except Faecal Coliform |
| 26 | Dharuhera | PHED | 9.5 | 29.09.2021 | Complying except Faecal Coliform |
| 27 | Kosli, Rewari | PHED | 3 | 29.09.2021 | Non-Complying |
| 28 | Dharuhera | HSVP | 5 | 29.09.2021 | Complying |
| Ambala | | | | | |
| 29 | Barara, Ambala | PHED | 4 | 21.09.2021 | Complying |
| Karnal | | | | | |
| 30 | Assandh, Karnal | PHED | 5 | 09.10.2021 | Complying except Faecal Coliform |
| Hisar | | | | | |
| 31 | Hansi, Hisar | PHED | 6.5 | 01.10.2021 | Complying |
| 32 | Dhani Gram, Barwala, Hisar | PHED | 6 | 01.10.2021 | Non-Complying |
| 33 | Uklana, Hisar | PHED | 6.5 | 01.10.2021 | Non-Complying |
| 34 | Dhani Kushal, Bhiwani Road, Hansi | PHED | 5 | 01.10.2021 | Non-Complying |
| 35 | Lalpura- Jind Road, Hansi | PHED | 7.5 | 01.10.2021 | Non-Complying |
| Total -35 | | | 225 | | |

Annexure-4

13 Clusters of ISWM in river catchment

| Sr. No. | Name of Clusters | Name of ULBs within Cluster | Estimated Waste Quantity (TPD) | Remarks |
|---------|----------------------------|--|--------------------------------|--|
| 1 | Gurugram-Faridabad | Gurugram and Faridabad | 2300 | Works has been awarded and work is likely to be completed by July, 2023. |
| 2 | Sonepat-Panipat | Sonepat, Panipat, Samalkha and Gannaur. | 700 | Commissioned on 16.08.2021. |
| 3 | Ambala-Yamunanagar | Ambala, Naraingarh, Yamuna Nagar, Radaur, Barara, Sadhura | 675 | Haryana was divided into 14 clusters for setting up integrated solid waste management plant in the state. But in some places, the distance of the plant from the place of dumping site is not available due to the lack of a site, the technology of the plant, etc., the project could not be successfully allotted, hence, keeping these issues / facts in mind, the department has restructured the clusters and kept the Bidders free to choose any technology for the processing of waste. The same proposal was kept before the COSI for consideration in the meeting dated 08.07.2020 and the same was recommended by them for approval to the Sub-Cabinet Committee on Infrastructure (CCI) for approval being PPP Projects. In the meeting of CCI held on 21.10.2020 under the chairmanship of Hon'ble CM, the Committee agreed and approved the recommendations of COSI in the meeting dated 08.07.2020 and decided that the ULB department will go ahead and call the tenders for the 4 clusters in the first phase with the existing project area in the RFP and simultaneously invite the tenders for the same 4 clusters by adding/including the panchayats of the bidders and the tipping fees, either of 2 bids will be selected by the department for grant of concession as per efficiency, economy and viability. Thereafter, taking requisite data |
| 4 | Karnal-Kaithal-Kurukshetra | Indri, Nilokheri Tarori, Karnal Gharaunda, Nissing, Assandh, Thanesar, Shahbad, Ladwa, Kaithal, Kalayat, Rajound, Cheeka, Pundri | 590 | |
| 5 | Rohtak-Bahadurgarh-Jhajjar | Kalanaur, Meham, Rohtak, Gohana, Bahadurgarh, Kharkhoda, Julana, Jhajjar, Sampla, Beri | 601 | |
| 6 | Hisar-Fatehabad | Hisar, Barwala, Hansi, Siwani, Fatehabad, Bhuna, Uklana Mandi, Ratia, Tohana, Jhaka Mandi | 407 | |
| 7 | Panchkula | Panchkula | 155 | |
| 8 | Bhiwani | Bhiwani, Bawanikhera, Charkhi Dadri | 181 | |
| 9 | Jind | Jind, Narwana, Safidon, Uchana, Narnaund, Sisai, Bass | 168 | |
| 10 | Sirsa | Sirsa, Rania, Ellenabad, Kalanwali, Mandi Dabwali | 146 | |
| 11 | Rewari | Bawal, Dharuhera, Rewari, Mahendergarh, Kanina | 466 | |
| 12 | Punhana | Punhana, F/Jhirka, Hathin, Hodal, Palwal, Sohna, Nuh, Tauru | 215 | |
| 13 | Farukhnagar | Farukh Nagar, Haily Mandi, Pataudi | 26 | |

| | | | |
|--|--|--------------|--|
| | | | <p>from the development and panchayats department bids were invited for 2 clusters namely bhiwani and sirsaincluding both urban and urban+ruralon 10.03.2021 with the extended bid submission date on 01.06.2021. Only single bid was received on sirsa (urban) cluster. Bids were re-invited the same clusters on 07.06.2021 with the extended bid submission date on 22.7.2021. This time 2 bids were recieved for both Bhiwani (Urban) and sirsa (Urban) and single half bid was received for Sirsa (urban + rural). In the meeting of CCI dated 14.10.2021, it was decided that all integrated solid waste management project tenders shall be invited by taking into consideration urban areas only. Also, it was decided to open andfinalize the bids for Bhiwani cluster(urban) and Sirsa cluster (Urban) and then place it before CCI for further finalization of other tenders. Minutes of Meeting of CCI dated 14.10.2021 are under the stage of approval. After the issuance of CCI Minutes the bids of ISWM Bhiwani and Sirsa shall be opened and the rates received shall be places before CCI for decision.</p> |
| | | Total | 6630 |

Annexure-5

Details of Dump Site

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|-------------|---|------------------------|-----------------------------|------------------------|--|--|
| 1 | Hisar | Opp. Village Dhandoor | 13.32 | 4.01 | 1.3 | 9 years | |
| 2 | Gurugram | Village Bandhwari Gurgaon Faridabad Road | 30 | Approx 40.00 | 27.5 (approx) | 2008 onwards | Bandhwari dumpsite was established and operated by MC Faridabad through its contractor i.e AKC Developers and operated till 2014. further in year 2017 M/s Ecogreen was enagaged for collection, transportation of MSW for MCG & MCF)Faridabad & Gurugram Cluser) and possession of bandwari site is with them since 2019 |
| 3 | Ambala city | VPO Patvi, Teh. Naraingarh | 14 | height-6 Mtr Depth-4 Mtr | 6 | | |
| 4 | Panipat | Near Village Nimbri, Distt. Panipat | 8 | 2 | 5 | 2014 | - |
| 5 | Sirsa | Village Bakirawali SWM Plant | 13 | 11 | 4 | 14 Years | |
| 6 | Panchkula | Nera IT Park Sector-23 Panchkula | 10.5 | 4 | 3.96 | 14 Year's (2004 onwards dumping started) | |
| 7 | Rohtak | Near SWM plant, Drain No. 8,Bhiwani Road, Village | 10 | 4 | 3.95 | 2010 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|----------------------|---|------------------------|---|------------------------|---|---------------------------|
| | | Sunarian, Rohtak Ward NO. 22 | | | | | |
| 8 | Bahadurgarh | NayaGaon, Badli Road | 7.2 | 3 | 3.2 | Since 2004 | |
| 9 | Yamunanagar-Jagadhri | KailKachra Plant | 12 | 2.5 | 1.76 Approx | 21.12.2012 to 14.12.2013 (Plant is not working from 14.12.2013 to till date.) | - |
| 10 | Jind | Near Delhi Ferozpur Railway Line | 18.12 | 2.13 | 1 | 1996 | |
| 11 | Shahabad (M). | Village Kalyana | 0.48 | 4.9 | 0.11 | 19.12.2018 | Land on lease basis. |
| 12 | Narnaul | Raghunathpura | 16 | 15 | 0.59 | Since 2001 | |
| 13 | Safidon | Near Assandh By Pass back of New Grain Market Safidon | 0.06 | 0.9 | 0.006 | Since Sep-2019 | |
| 14 | Ratia | JakhalDadi Road | 4 | 1 | 0.11 | 2017 | area covered 30 % |
| 15 | Rania | BalasarRaod, Back Side NirankariBhawan, Ward No. 02, Rania. | 3.3 | 2.1 | 0.14 | Year 2018 | 10 Feet Depth of the Site |
| 16 | Rajound | Gas Agency Road, Ward 03 Rajound | 0.14 | 1 | 0.002 | 43718 | - |
| 17 | Radaur | SK Road Radaur | 1 | - | 0.003 | 09.02.2016 | - |
| 18 | Palwal | Meghpur Village | 1.48 | Height= 1.25 Mtr. Depth=2.10 Mtr. Total= 3.35 Mtr. | 0.12 | Year 2017 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|-----------------|--|------------------------|-----------------|------------------------|---|---|
| 19 | Nilokheri | Kali Mata Mandir Road | 2 | 2.33 | 0.18 | Approximately 8-10 Year | |
| 20 | NangalChaudhary | Near Krishnawati River Nangal Chaudhary | 0.7 | 0.9 | 0.015 | Since 2013 | - |
| 21 | Meham | Hisar Bye Pass, Meham | 1.48 | 3.25 | 0.087 | 2013 | |
| 22 | Ladwa | On Babain Road | 6.26 | 1.5 | 0.001 | 43800 | - |
| | Kanina | PiplaWaliBani (Gahra Road) | 25 | 1.5 | 0.068 | 2010 | |
| 23 | Kanina | MankaWaliBani (Sihor Road) | 8 | 1.5 | 0.034 | 2009 | |
| 24 | Julana | Near HadwaraJulana | 1 | 6 | 0.05 | 25.11.2019 | - |
| 25 | Faridabad | Bandhwari Dumpsite is Common Dumpsite for MCG and MCF. | | | | | |
| 26 | Gharaunda | Begampur | 1.19 | 10 | 0.23 | Oct. 2019 | |
| 27 | FerozpurJhirka | DoodhGhati | 1 | NIL | 0.2 | 2006 | - |
| 28 | Fatehbad | Bighar Road, Village Matana, Fatehabad | 1.5 | 2 | 0.46 | 2014 | |
| 29 | Farrukh Nagar | Chand Nagar Road, Ward no. 11, Farrukhnagar | 3.73 | 1.22 | 0.11 | Last 10 years | Presently stay by Hon'ble Court as this dumping site |
| | | | 0.18 | 1.83 | 0.082 | Last 6 month | Used as Temporary dumping site due to stay at main dumping site on Chand Nagar Road, Ward No. 11, Farrukhnagar. |
| 30 | Ellenbad | Temporary Dumpsite in Hudda R-3 | 2.25 | 2.43 | 0.12 | From Last 2 Years | - |
| 31 | Assandh | Near Kanchi gate Kaithal road | 1.38 | 4.57 | 0.15 | Since 2004 | - |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (in Mtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks | |
|---------|--------------|--|------------------------|--|-----------------------|---|------------|--|
| | | Assandh | | | | | | |
| 32 | CharkhiDadri | Rania WalaJohar, Near BhiwaniRohtak Bye pass | 4 | 3 | 0.26 | Year 2006 | | |
| 33 | Gohana | VilalgeThaska | 4.7 | 5.5 | 0.42 | 2011 | | |
| 34 | HailyMandi | Near Mirzapur Road, W. No. 7 HailyMandi | 2.49 | 2.43 | 0.00028 | 11.03.2020 | | |
| 35 | Indri | Indri Bypass Road | 1.2 | 1 | 0.03 | 5-8 Years | | |
| 36 | Kaithal | Khurana Road | 5 | 2.43 | 0.8 | 41426 | | |
| 37 | Kharkhoda | Sampla Road Bye pass | 2 | 1.22 | 0.24 | Approx 25 Years | | |
| 38 | Narnaund | Near ShanshanGhat W. No. 4 | 1.4 | 1 | 0.028 | 2001 | | |
| 39 | Nuh | Jogipur Road, Nuh town, Near Vijay Gas Agency | 3.7 | NIL | 0.16 | 2011 | | |
| 40 | Pataudi | Ward No. 10 MotiDungri | 2 | 2.85 | 0.11 | Approximately frrom year 2000 | - | |
| 41 | Pehowa | KKR Road | 2 | 0.5 | 0.008 | Since 2018 | | |
| 42 | Rewari | RamsinghpuraBawal | 12 | Varies from average1.22 mtr to average3.20 mtr | | 0.6 | Since 2005 | |
| 43 | Bawal | There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera. | | | | | | |
| 44 | Dharuhera | There is common dumpsite for MC Rewari, MC Bawal, MCDharuhera. | | | | | | |
| 45 | Sohna | Old Delhi Alwar Road BehindNirankari | 5 | 2.00-2.25 | 0.51 | 2010 | | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|------------|--|--|-----------------|------------------------|---|--|
| | | College Sohna | | | | | |
| 46 | Taraori | Nadana road near electricity power house M.C Taraori | 0.22 | 3.5 | 0.0315 | Approx 8-10 Years | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.11 | 3.5 | 0.0157 | Approx 8-10 Years | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.19 | 3.5 | 0.02625 | Approx 8-10 Years | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.15 | 1 | 0.006 | Approx 8-10 Years | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.33 | 4 | 0.054 | Approx 8-10 Years | |
| | Taraori | Nadana road near electricity power house M.C Taraori | 0.08 | 3.5 | 0.0126 | | |
| | 47 | Nissing | Near Mata SundriKhalsa Girls College Karnal-Kaithal Road | 2 | 3 | 0.15 | This Dumpsite is under operation since the time of Gram Panchayatnissing |
| 48 | Hodal | Gadhi Mod, Hodal | 2 | 1 | 0.04 | | |
| 49 | Siwani | Tosham Road | 2.3 | 1.2 | 0.07 | SINCE LAST 7-8 YEARS | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|--------------|--|------------------------|--------------------|------------------------|---|---|
| 50 | Tauru | BurakhaPahadi | 1 | 3.5 | 0.35 | 2009 | |
| 51 | Ganaur | Badshahi Road, Near Telephone Exchange, Ganaur. | 4.4 | 4.5 | 0.25 | 18 YEARS APPROX. | |
| 52 | Kalanwali | Dadu Road, Ward No. 10 | 2 | below ground level | 0.0328 | 30 years. | |
| 53 | Mahendergarh | DohanNadi | 4 | 1.5 | 0.12138 | since 4 years | |
| 54 | Narwana | | 2 | 4.5 | Not estimated | since 1987 | |
| 55 | Hathin | | NA | NA | NIL | NA | There is no permanent landfill site in MC Hathin. |
| 56 | JakhalMandi | Balran Road | 0.55 | 7 | 0.00015 | 20.01.2020 | |
| 57 | Jhajjar | Village UtlondhaDistt. Jhajjar | 8.6 | 1.5 | 0.01818 | since 2017 | |
| 58 | Karnal | Village Sekhpura, Karnal | 8 | 6 | 0.714 | 41944 | |
| 59 | Sadaura | Kala Amb Road Near ITI | 2.5 | - | - | | |
| 60 | Naraingarh | There is no dumpsite in MC, Naraingarh. All the Solid waste, garbage of MC Naraingarh is transported to Patvi dumpsite of Ambala City. | | | | | |
| 61 | Ambalasadar | There is no dumpsite in MC, Ambalasadar. All the Solid waste, garbage of MC AmbalaSadar is transported to Patvi dumpsite of Ambala City. | | | | | |
| 62 | Pundri | Near kakaut Road | 1 | NIL | 0.0002 | 27.03.2020 | |
| 63 | Sampla | MC, Sampla sent all solid waste to SWM Plant Rohtak. | | | | | |
| 64 | Kalanaur | MC, Kalanaur sent all solid waste to SWM Plant Rohtak. | | | | | |
| 65 | Kundli | On Narela Road | 1 | below ground level | 0.00008 | 42095 | |
| 66 | Bhiwani | Dadri Road, Bhiwani | 10 | 2.00-3.00 | 0.22403 | Since the existence of MC. | |
| 67 | Hansi | Near biid Farm | 2 | 5 feet height | | | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|--------------|--|------------------------|----------------------------|------------------------|---|---------|
| | | | | and 5 feet deep | | | |
| 68 | Ismailabad | pehowa-ismailabad-ambala link road opposite reliance petrol pump | 1 | -- | 0.005 | since 2008 | |
| 69 | Samalkha | GarhiChhaju | 0.22 | 4.95 | 0.28239 | 27.02.2008 | |
| 70 | Tohana | Baba Buta shah Basti | 1 | 3 mtr deep from the ground | 0.1 | 2019 | |
| 71 | Thanesar | village bazidpur near pipli zoo | 4 | 1.91 | 0.008 | 2019 | |
| 72 | MandiDabwali | Near Rambagh | 8 | 4.26 Av. | 0.30684 | 2008 (12 Years) | |
| 73 | Bass | New Committee | | | 0.003 | | |
| 74 | Sisai | New Committee | | | 0.003 | | |
| 75 | Bhuna | Kula road, Bhuna | 1.5 | 2 | 0.1 | 2012 | |
| 76 | cheeka | Khrodi Road | 1.5 | 4 | 0.392 | 2012 | |
| 77 | Uchana | KheriMasaniya Road, Near kabristan, uchanaKalan | 0.4 | 8 | 0.0578 | 06.01.2020 | |
| 78 | Barara | Near sajanMajri Road | 7 | 2.43 | 0.08737 | since 2016 | |
| 79 | Loharu | Pilani Road, Loharu | 2 | 1.22 | 0.002 | 2006 | |
| 80 | Kalayat | Kapil Muni Road, Ward No. 8 near shamshanghat, Kalayat | 1.5 | 2.31 | 0.12 | Jan, 2005 | |
| 81 | BawaniKhera | Hansi-bhiwani main Road | 4 | 1.22 | 0.009 | from last 5 years | |
| | | Kabulpur road, near | 0.5 | 0.25 | 0.006 | Jan-20 | |

| Sr. No. | Name of MC | Dumpsite Location | Area Covered (In Acre) | Height (inMtr.) | Quantity (in Lakh MT) | Date since the dumpstie is in operation | Remarks |
|---------|-------------|---|------------------------|------------------|------------------------|---|---------|
| 82 | Beri | shiv dhamBeri. | | | | | |
| | | BeriJhajgarh road near bhagalpuri chock Beri. | 1 | 1 | 0.05475 | Till March 18 | |
| 83 | Sonepat | Murthal bye pass (Near DCRUST University) | 5 | 0 | 0.5 | Since 2017 | |
| 84 | Punhana | Mandikhara, Jamalgarg Road | 0.5 | 0 | 0.2 | Since 2009 | |
| 85 | AteliMandi | Village Khor | 1 | 1 | 0.01942 | 2018 | |
| 86 | Barwala | Kharkhra Road, Barwala | 1.75 | 1.2 | 0.0052 | Since 2018 | |
| 87 | UklanaMandi | ThehUklana | 2 | 1.2 | 0.006 | Since 2017 | |

Annexure-6

Details on Captive TSDF(s)

Period: 2019-20

Name of SPCB/PCC:- HSPCB

| Sr. No | Name and address of the Captive Facility | Type of facility (Landfillable/ Incinerable/ both) | Capacity | | HW disposed during the year (MT) | | Cumulative HW disposed till the end of financial year (MT) | |
|--------|---|--|--------------------|-----------------|----------------------------------|-------------|--|-------------|
| | | | Incinerator (MT/H) | Landfill (MT/A) | SLF | Incinerator | SLF | Incinerator |
| 1 | M/S Panipat Refinery ,IOCL Panipat | Landfillable | 0 | 2500 | 1464.5 | 0 | 15964.5 | 0 |
| 2 | M/s Crystal Crop. Protection Pvt. Ltd. (Unit-II) (Tech. Plant) , Vill. Nathupur, Sonapat. | Incinerable | 0.05 | 0 | -- | 0.005 | -- | 42.805 |
| 3 | M/s Indogulf Cropsciences Ltd., (Jai Shree Rasayan Udyog Ltd.), (new unit Tech. Plant) , Vill. Nathupur, Sonapat | Incinerable | 0.05 | 0 | -- | 4.62 | -- | 50.62 |
| 4 | M/s Marino panel Products Ltd., vpo rohad, Jhajjar | Incinerable | 15 | Nil | Nil | 85.6 | Nil | Nil |

Annexure-7

MI Project under NABARD (1st Phase)

| Sr. No | Name and Address of STP | Deptt. | Capacity (MLD) | Flow of Inlet (In MLD) | Treated Effluent (In MLD) | Quantity of Treated effluent being reused (In MLD) | Mode of reuse (Irrigation / horticulture /Industrial use / any other) | CCA (Hectares) | App. Cost (CCA in ha*2.10 lacs) otherwise actual | Status |
|--------|-------------------------------|------------|----------------|------------------------|---------------------------|--|---|----------------|--|---|
| 1. | BararaSBR Technology Ambala | PHED (SBR) | 6.00 | To be filled by PHED | 4.00 | 2.00 | Irrigation | 546 | 1146.60 | AA received from Govt. on 22.04.2021. Tenders to be called Likely Date of Start- 20.11. 2021 Likely Date of Completion- 30.06.23 |
| 2. | Naraingarh - MBBR Ambala | PHED (MBR) | 5.00 | To be filled by PHED | 3.00 | 1.40-1.70 | Irrigation | | | AA received from Govt. on 26.04.2021. Tenders to be called. Likely Date of Start- 20.11.2021 Likely Date of Completion- 30.06.23 |
| 3. | HisarLalpura Road Hansi- MBBR | PHED | 7.50 | To be filled by PHED | 7.50 | 6.00 | Irrigation | 372 | 781.20 | Hearing completed. AA under preparation Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023 |
| 4. | Narnaund-Hisar | PHED | 4.00 | To be filled by | 4.00 | 2.00 | Irrigation | 198 | 415.80 | Hearing completed AA case likely to be submitted to Govt |

| | | | | | | | | | | |
|----|--|------|-------|----------------------------|-------|-------|------------|------|---------|---|
| | | | | PHED | | | | | | by 31.08.2021 Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023 |
| 5. | Rishi Nagar- Hisar | PHED | 40.00 | To be filled by PHED | 40.00 | 25.00 | Irrigation | 2569 | 5394.18 | Administrative Approval received on 28.04.2021. Tenders called to be opened on 30.11.2021 Date of start-01.11.2021 Date of completion 31.12.2023 |
| 6. | GulhaCheeka SBR Kaithal | PHED | 10.00 | To be filled by PHED | 8.00 | 4.00 | Irrigation | 794 | 1667.40 | Hearing completed AA under preparation Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023 |
| 7. | Jind Road, Kaithal KTL drain SBR- Kaithal | PHED | 10.00 | To be filled by PHED | 8.00 | 4.00 | Irrigation | | | Hearing completed AA under preparation Likely Date of Start- 01.04.2022 Likely Date of Completion- 30.06.2023 |
| 8. | Majra, - MBBR Fatehabad | PHED | 10.00 | To be filled by PHED | 10.00 | 7.50 | Irrigation | 496 | 1041.60 | Hearing completed. AA case under preparation Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023 |
| 9. | Village Amani, | PHED | 10.00 | To be filled by | 10.00 | 7.50 | Irrigation | 496 | 1079.32 | AA accorded by Govt. on 11.02.2021. Tender called |

| | | | | | | | | | | |
|-----|---|------|-------|----------------------------|-------|-----------|------------|------------------|---------|--|
| | Tohana- MBBR Fatehabad | | | PHED | | | | | | Likely Date of Start- 20.11.2021 Likely Date of Completion- 31.03.2023 |
| 10. | Jakhal-SBR Fatehabad | PHED | 3.00 | To be filled by PHED | 3.00 | 2.25 | Irrigation | 149 | 343.59 | AA received from Govt. on 14.01.2021. Tender Called Likely Date of Start- 20.11.21 Likely Date of Completion- 31.03.23 |
| 11. | Ratia - MBBRFateha bad | PHED | 6.50 | To be filled by PHED | 6.50 | 4.88 | Irrigation | 323 | 739.42 | AA received from Govt. on 11.02.2021. Tender Called Likely Date of Start- 20.11.21 Likely Date of Completion- 31.03.23 |
| 12. | Kalka -MBBR Panchkula | PHED | 4.75 | To be filled by PHED | 4.75 | 3.25 | Irrigation | 250+25 0= 500 | 1518.00 | AA received from Govt. on 22.04.2021. Tender to be Called Likely Date of Start- 20.11.21 Likely Date of Completion- 30.06.23 |
| 13. | NalagarhRoa d ,Manakpur, Pinjore - MBBR Panchkula | PHED | 5.00 | To be filled by PHED | 5.00 | 1.50-2.00 | Irrigation | | | AA received from Govt. on 22.04.2021. Tender to be called. Likely Date of Start- 20.11.21 Likely Date of Completion- 30.06.23 |
| 14. | STP Jind- | PHED | 15.00 | To be | 15.00 | - | Irrigation | 992 | 2083.20 | Hearing under process |

| | | | | | | | | | | |
|----|----------------------|------|---------------|----------------------|------|------|------------|----------------|-----------------|---|
| | MBBR Jind | | | filled by PHED | | | | | | Likely Date of Start- 01.06.2022 Likely Date of Completion- 30.06.2023 |
| 15 | STP NarwanaMBBR Jind | PHED | 5.00 | To be filled by PHED | 5.00 | 3.75 | Irrigation | | | Hearing completed More than 80% Farmers not agree. |
| | Total | | 141.75 | | | | | 7435.00 | 16210.31 | |