

## EXCECUTIVE SUMMARY

### 1.0 INTRODUCTION

M/s Goyal Overseas. has existing Formaldehyde manufacturing unit at Khasra no. 22//10, 11/2, 20/1/1, Village Shehzadpur, Tehsil Jagadhri, Distt. Yamunanagar, Haryana.

The plant was setup with the consent to establish dated 10.05.2018 from the Haryana State Pollution Control Board (HSPCB). Subsequently, the unit has started operation after obtaining consent to operate vide application no. 313282118YAMCTO5794589 dated 26.12.2018.

M/s Goyal Overseas is now proposing expansion in the production capacity from 15 TPD to 100 TPD.

### 2.0 BASIC DETAILS OF THE PROJECT

**Table No. 1.0: Project details**

S.No.	Particulars	Details
1.	<b>Nature and size of the Project</b>	Capacity expansion of Formaldehyde manufacturing unit in existing facility from 15 TPD to 100 TPD at Village-Shezadpur, Tehsil- Jagadhri Distt. Yamunanagar, Haryana by M/s Goyal Overseas
2.	<b>Location details</b>	
	Village /Town/Plot No.	Shezadpur
	District	Yamunanagar
	State	Haryana
	Latitude and Longitude	Latitude- 30°9'51.02"N & Longitude- 77°22'13.09"E
	Toposheet No.	H43L7 & H43L8
3.	<b>Area Details</b>	
	Total Project Area	Total area available is 0.6070 Hectare. No additional land is required for proposed expansion. Green belt will be developed in an area of 0.207 Hectare (Approximately 34.11% of total land area).
4.	<b>Environmental Setting Details (with approximate aerial distance and direction from the project site)</b>	
	Nearest major settlement	Village Buria at a distance of ~ 1.25 Kms in W direction
	Nearest highway	NH-73 ~ 5.6 Km in W direction
	Nearest Railway Station	Jagadhri Railway Station at a distance of 9.5 kms in SW direction.



**Capacity Expansion of Formaldehyde Manufacturing Unit in Existing Facility from 15 TPD to 100 TPD at Khasra no. 22//10, 11/2, 20/1/1, Village Shehzadpur, Tehsil Jagadhri, Distt. Yamunanagar, Haryana by M/s Goyal Overseas**

	Nearest Airport	Chandigarh Airport is at a distance of 80 kms in NW direction.		
	National Parks/ Wild Life Sanctuaries/ Biosphere Reserves/ RF and PF within 10km radius	No National Park/Wildlife Sanctuary within 10 km radius of the Project Site. The details of RF/PF are given below: <ul style="list-style-type: none"> <li>Sugh PF at 3.4 kms in SW direction.</li> <li>Bir Tapu PF at 5.2 kms in SE direction.</li> </ul> Balachaur PF at approx. 7 kms in North direction		
	Nearest Water Bodies	<ul style="list-style-type: none"> <li>Yamuna Nahar at 0.19 Kms in W direction.</li> <li>Yamuna River at 4.5 Kms in SE direction.</li> <li>Sugh PF at 3.4 kms in SW direction.</li> <li>Bir Tapu PF at 5.2 kms in SE direction.</li> </ul>		
	Interstate Boundary	Haryana-Uttar Pradesh inter state boundary at a distance of approx. 4.5 kms in South-East direction.		
	Nearest School	Dayal Singh Public School 4.2 Kms in W		
	Nearest Hospital	Sharma Hospital 5.6 Kms in W		
	Seismic Zone	Zone IV		
	<b>Cost Details</b>			
5.	Project Cost	<b>Existing</b>	<b>Estimated cost for proposed expansion</b>	<b>Total</b>
		205 Lakhs	95 Lakhs	300 Lakhs
	EMP Budget	<b>15.0 lakhs</b>		
	Cost of OH&S	1.5 lakhs		
6.	<b>Basic Requirements of the Project</b>			
	Fresh Water (m <sup>3</sup> /day)	<b>Existing</b>	<b>For Expansion</b>	<b>Total</b>
		7.5 KLD	42.5 KLD	50 KLD
	Source: Application for Ground Water permission has been submitted to HWRA vide 23-3/20627/1/HR/IND/2021 dated 23.03.2021 (Attched as Annexure 6)23-3/20627/1/HR/IND/2021 dated 23.03.2021 (Attched as Annexure 7)			
	Power	<b>Existing</b>	<b>For Expansion</b>	<b>Total</b>
		250 KVA	-	250 KVA
	<b>Source:</b> UHBVN (Uttar Haryana Bijli Vitran Nigam) <b>DG sets as backup:</b> 320 kVA and 250 kVA (existing) Proposed- Nil			
	Boiler	<b>Existing</b>	<b>Proposed</b>	<b>Total</b>
				<b>Fuel</b>



			<b>expansion</b>		
		1 boiler of 800 Kg/Hr Capacity	-	1 boiler of 800 Kg/Hr Capacity	HSD Fired
Fuel	HSD				
Manpower		<b>Existing</b>	<b>For Expansion</b>	<b>Total</b>	
		5	7	12	

### 3.0 PRODUCTION CAPACITY

Product	Proposed	Expansion	Total
Formaldehyde	15 TPD	85 TPD	100 TPD

### 4.0 RAW MATERIAL DETAIL

The major raw material is Methanol which comes in road through tankers from Kandla Port, Gujarat & stored in underground M.S tanks.

Raw Material	Existing	Expansion	Total Requirement	Source	Transport
Methanol	7 TPD	38 TPD	45 TPD	Import	Tank Trucks

### 5.0 PROJECT BENEFITS

- The plant will help in providing employment in priority to local people.
- There will be an increase in indirect employment and earnings of the small time shop owners like tea vendors, transporters, etc.
- The Project proponent has planned to contribute in socio-economic development of the area.
- The easy availability of infrastructure, manpower, raw materials will reduce the production cost as well as demand supply gap.
- The development of greenbelt in and around the plant premises will improve on the aesthetics of the area. Moreover, it will help in reducing the noise levels within the plant boundary.

## **6.0 MITIGATION MEASURES FOR CONTROL OF POLLUTION**

### **Air Pollution Control Measures**

- Online Stack Monitoring System as an air pollution control measures to control the emission of particulate matter, the flue gas emission will remain well within gaseous emission norms prescribed by the CPCB.
- To control the air emissions from D.G. Set, stack height of 6.0 m shall be provided.
- Green belt will be developed on 34.11 % area of the total project area which will help in attenuating the pollutants emitted by the plant.

### **Noise Pollution Control**

- Vibrating pads & acoustic enclosure will be provided to noise generating equipment to control noise level within norms.
- Latest technology and utmost care will be taken at the time of equipment/machinery installation.
- Lubrication of moving/rotating part or component of machineries will be done on regular basis.
- The operators working in the high-noise areas will be provided with ear-muffs or plugs.
- Acoustic enclosures and silencers will be provided to the equipment wherever necessary
- Proper green belt will be developed to reduce the noise level.
- Thus, it is envisaged that there will not be any adverse impacts of noise. The greenbelt developed within the premises will have significant beneficial impacts on reduction of noise within the periphery and outside the boundary.

### **Land Pollution Control**

- The plant will implement zero liquid discharge concepts. The treated water will be recycled in the process. Therefore, there will not be any negative impact on soil.
- No toxic /waste water will be disposed directly on land.
- Other hazardous solid wastes will be sent to authorized recycler or vender.
- It is envisaged that there will not be any major impacts on land environment during the operation phase.

### **Solid & Hazardous Waste Generation and Disposal**

- Used Oil generated will be sold to authorized recycler.
- Solid waste from evaporator will be sent to TSDF.
- All the Solid & hazardous waste generated, will be collected, stored separately and disposed-off as per the guidelines issued by CPCB & Haryana State Pollution Control Board.



## 7.0 ENVIRONMENT MANAGMNET PLAN

The total capital investment on environmental control measures is envisaged to be about **Rs 15 Lakhs**) out of a total proposed project cost of **Rs 3.0 Crores**. Details are given in **Table 2**.

**Table 2.0: EMP Cost Details**

Sr. No.	Environmental Components	Initial Cost (in Lakhs)	Recurring Cost (Per year)
1	Air Pollution Control- Wet Scrubber	2.0	0.5
2	Stack with online Monitoring System	3.0	0.5
3	Water and Waste Water Management –(Evaporator)	3.0	0.2
4	Occupational Health and safety	1.5	0.2
5	Green Belt Development	2.5	0.2
6	Rain Water Harvesting Pit	1.0	0.3
7	Environment Monitoring	1.0	0.1
8	Solid and Hazardous waste facility	1.0	0.1
<b>Total</b>		<b>15.0 Lakhs (0.15 Crore)</b>	<b>2.1 Lakhs (0.021 Crore)</b>

#### **s8.0 DEMOGRAPHY & SOCIO-ECONOMIC ENVIRONMENT**

- Improvement of infrastructure, transportation, health care and education facility.
- Direct and indirect employment will be generated like business, contract works and development work like roads, etc. and other welfare amenities such as medical facilities, conveyance, free education, drinking water supply etc.
- Skill based training to local employed people will be given by project proponent.
- The interaction and intermingling of all these people will improve the understanding of various cultures and will definitely improve and strengthen friendliness, brotherhood and unity among them.

#### **9.0 CONCLUSION**

**M/s Goyal Overseas** has committed to implement all the pollution control measures to protect the surrounding environment. The project can definitely improve the regional, state and national economy. Industrial growth is an indication of socio-economic development. The implementation of this project will definitely improve the physical and social infrastructure of the surrounding area.

