

EXECUTIVE SUMMARY

1. Introduction

M/s Om Chem has an existing Formaldehyde manufacturing unit at V.P.O. Kurali Kurali in Bilaspur Distt. Yamunanagar, Haryana.

The plant was setup with the consent to establish dated 19.04.2018 from the Haryana State Pollution Control Board (HSPCB). Subsequently, the unit has started operation after obtaining consent to operate dated 22.02.2019.

The said project/activity is covered under category "A" (located outside Notified Industrial Area) of item 5(f) "Synthetic Organic Chemicals" of the Schedule to the EIA Notification, 2006, and requires prior EC from Expert Appraisal Committee, MoEF&CC.

2. Basic Details of the Project

S.No.	Particulars	Details		
1.	Nature and size of the Project	Capacity Expansion of Formaldehyde Manufacturing Unit in existing facility from 100 TPD to 200 TPD at Village Kurali, Sabapur Road, Tehsil Bilaspur, District Yamuna Nagar, Haryana by M/s Om Chem		
2.	Location details			
	Village /Town/Plot No.	Kurali, Sabapur Road		
	District	Yamuna Nagar		
	State	Haryana		
3.	Area Details			
	Total Project Area	Total area available is 0.6430 Hectare. No additional land is required for proposed expansion. Green belt will be developed in an area of 0.2347 Hectare (Approximately 36.50% of total land area).		
4.	Cost Details			
	Project Cost	Existing	Estimated cost for proposed expansion	Total
		Rs. 4.99 Crores	Rs. 2.00 Crores	Rs. 6.99 Crores
	Budget of EMP	Rs. 0.35 Crores		
5.	Basic Requirements of the Project			
Fresh Water (m ³ /day)	Existing	For Expansion	Total	
	100 KLD	95 KLD	195 KLD	
Source: HWRA				
Power	Existing	For Expansion	Total	
	160 KW	90 KW	250 KW	

		Source: UHBVN (Uttar Haryana Bijli Vitran Nigam) DG sets as backup: 325 KVA (existing) 325 KVA (proposed)			
Boiler		Existing	Proposed expansion	Total	Fuel
		1 boiler of 600 Kg/Hr Capacity	-	1 boiler of 600 Kg/Hr Capacity	HSD Fired
Fuel	HSD				
Manpower		Existing	For Expansion	Total	
		10	2	12	
Preference will be given to local public.					

3. Production Capacity

Product	Existing Capacity	Proposed Expansion Capacity	Total Capacity after expansion
Formaldehyde	100 TPD	100 TPD	200 TPD

4. Raw Material Detail

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

Raw Material	Existing Requirement	Proposed Requirement	Total Requirement	Source	Transport
Methanol	50 TPD	50 TPD	100 TPD	Import	Tank Trucks

5. 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. Mitigation Measures for Control of Pollution

i. 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 36.5% area of the total project area which will help in attenuating the pollutants emitted by the plant.

ii. Waste Water Treatment

There will be no waste water discharge from the plant. Zero Liquid Discharge (ZLD) concepts to be adopted. Domestic waste water after treatment (in septic tank) will be fully utilized with the facility for cleaning, flushing, water sprinkling and other non portable domestic purpose.

iii. 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.

iv. 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.

v. Solid & Hazardous Waste Generation and Disposal

- Used Oil 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. Environmental Management Plan (EMP)

Total capital cost for Environmental management is proposed to be Rs. 35.00 Lakhs whereas recurring cost for the same is Rs. 2.6 Lakhs/year out of total project cost Rs. 6.99 Crores.

8. National Parks or Wild Life Sanctuary

There is no Wild Life Sanctuary or National Park within 10 km radius of the Project Site hence no NBWL Clearance required. No forest land involved within the project site.

9. 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.
- The impact of employment opportunities will not be significant due to low level of education and skills in the area which will result in sourcing skilled work force from outside the immediate area.
- 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.