



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-0172-577870-73, Fax No. 2581201
E-mail: hspcbhazardouswaste@gmail.com

HSPCB/HWM/2025/ Dated: 03-04-2025

To

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

Subject: Regarding Conducting of Public Hearing for Proposed Manufacturing unit of Formaldehyde of capacity 120 TPD (40,200 TPA) at Village Garh Mirakpur, Tehsil & District Sonipat, Haryana by M/s Ancon Chemplast (P) Ltd. - Reg.

I have been directed to enclose herewith advertisement regarding Public hearing to be held on **07.05.2025 at 10:00 AM** at the site i.e at Village Garh Mirakpur, Tehsil & District Sonipat, Haryana regarding conducting public hearing with respect to Environment Clearance of Proposed Manufacturing Unit of Formaldehyde of capacity 120 TPD (40,200 TPA) situated at Village Garh Mirakpur, Tehsil & District Sonipat, Haryana by M/s Ancon Chemplast (P) Ltd in compliance with EIA notification dated 14th September, 2006 for publication in the following leading newspapers on DAVP rates:-

1. One major national daily newspaper.
2. One Regional vernacular daily Newspapers in Hindi.

This advertisement should appear on or before **05.04.2025** in the above said two newspapers only and bills of above two newspapers on DAVP rates may be sent to this office at the earliest, the bill payment of above said notice will be made for two newspapers only.

Endst. No. HSPCB/HWM/2025/ Dated: 03-04-2025

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

1. Deputy Commissioner, Sonipat
2. Chairman Zila Parishad, Sonipat
3. The Commissioner, Municipal Corporation, Sonipat
4. Joint Director, District Industries Centre, Sonipat

Endst. No. HSPCB/HWM/2025 / Dated: 03-04-2025

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

1. Regional Officer, Haryana State Pollution Control Board, Sonipat. Plot No. 1, Sector 15, Part-II, Sonipat He is asked to send the copy of EIA report and Executive Summary and Pen Drive to the concerned authorities mentioned above to place the same in their offices for consultation of the general public during office hours.

2. M/s Ancon Chemplast (P) Ltd., Village Garh Mirakpur, Tehsil & District Sonipat, Haryana.
3. Sr. EE (IT), to ensure that the notice is uploaded on the website of the Board.

Endst. No. HSPCB/HWM/2025/ Dated: 03-04-2025

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

1. The Additional Chief Secretary to Govt. of Haryana, Environment, Forest and Wild Life Department, Haryana, Chandigarh.
2. The Director, Environment and Climate Change Department, Haryana.

Endst. No. HSPCB/HWM/2025/ Dated: 03-04-2025

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

1. Administrative Secretary-cum-P.S to Chairman.
2. PA to Member Secretary.

DA/Advertisement

Digitally signed by

NAVEEN GULIA

Date: 03-04-2025

16:38:46

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



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA
Ph-0172-577870-73, Fax No. 2581201
E-mail: hspcbhazardouswaste@gmail.com

Notice for Public Hearing

It is for the information of all concerned that M/s Ancon Chemplast (P) Ltd. has proposed a project with respect to Environment Clearance of Proposed Manufacturing unit of Formaldehyde of capacity 120 TPD (40,200 TPA) at Village Garh Mirakpur, Tehsil & District Sonipat, Haryana. The project proponent mentioned above has applied to the Haryana State Pollution Control Board for conducting the Public Hearing for obtaining Environmental Clearance as per EIA notification dated 14th September, 2006 for the proposed project. Accordingly, the Public Hearing for the above said project has been fixed **07.05.2025 at 10:00 AM** at the site.

Copies of executive summary of the project report and EIA study report, submitted by the project proponent, are available in the Head Office of the Board as well as in the following offices, which can be perused during office hours, on any working day:-

1. Deputy Commissioner, Sonipat
2. Regional Officer, Sonipat, Plot No. 1, Sector 15, Part-II, Sonipat.
3. Chairman Zila Parishad, Sonipat
4. Commissioner, Municipal Corporation, Sonipat
5. Joint Director, District Industries Centre, Sonipat

Notice is hereby given to all concerned to file suggestions, views, comments and objections, if any, on the above said proposed project, to the Chairman, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula as well as Regional Officer, Sonipat, Plot No. 1, Sector 15, Part-II, Sonipat within 30 days of the publication of this notice. Besides, a Public Hearing will also be held on the Date, Time & Venue mentioned above at the proposed site of the project, which can be attended by any person including Environmental Groups, bonafide residents and others, located at the project site/sites of displacement/sites likely to be affected. Oral/Written suggestions, if any can also be made during the Public Hearing.

No TA/DA will be admissible for attending the Public Hearing.

Pardeep Kumar, IAS
Member Secretari

“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

EXECUTIVE SUMMARY



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

PROJECT NAME & LOCATION:

M/s Ancon Chemplast (P) Limited is proposing to develop a Formaldehyde Manufacturing plant of capacity 40,200 TPA at Village-Garh Mirakpur, Tehsil & District Sonipat Haryana.

PRODUCTS:

M/s Ancon Chemplast (P) Limited is proposing to develop Formaldehyde Manufacturing Plant of capacity 120 TPD at Village-Garh Mirakpur, Tehsil & District Sonipat, Haryana.

Details of proposed products & quantities

DESCRIPTION	TOTAL CAPACITY
PRODUCTION CAPACITY:	
Formaldehyde	40,200 TPA

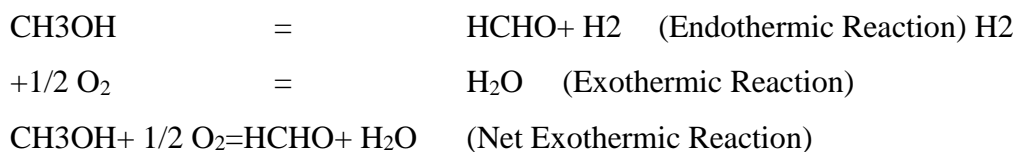
RAW MATERIAL:

DESCRIPTION	TOTAL CAPACITY
Quantity of Raw Material Required for Production Of	
Methanol @ 455kg/ton	18,291 TPA
Water (D.M. water) @750kg/ton	30,150 TPA

PROCESS DESCRIPTION AND TECHNOLOGY:

Formaldehyde is the oxidation/dehydrogenation product of methanol with oxygen in the presence of Silver catalyst.

A fixed quantity of methanol and water is introduced into a mixing vessel from where this mixture is taken into an evaporator. Air is also introduced into the evaporator. A temperature of 70° C is maintained which facilitates the evaporation of methanol. The air and methanol vapour mixture is then further heated to 100 deg in the super heater and then introduced into the reactor where in presence of silver catalyst maintained at temperature of 650°C. The oxidation/Dehydrogenation reaction takes place as per the following chemistry:



ABSORPTION

The Reaction is net Exothermic. In the Reaction 3 itself which is also a waste heat boiler the temperature of the product gasses is brought down to 180°C and then further cooled to about 95°C in the Re boiler. This is achieved by circulating the Solution in the Evaporator in the Re boiler which cools down the Product gasses to about 95°C and heated upto 70°C thus saving on energy. The product gasses are further cooled to about 75 °C in the condenser by circulation of cooling water from the cooling tower.

The reaction gas containing Formaldehyde, un reacted Methanol and water vapour is then directed to Absorption column I and escaping Formaldehyde gases are absorbed by circulating and cooling the Formaldehyde solution in Plate Heat Exchanger from the absorber sump. The part of the circulation is taken out as product.

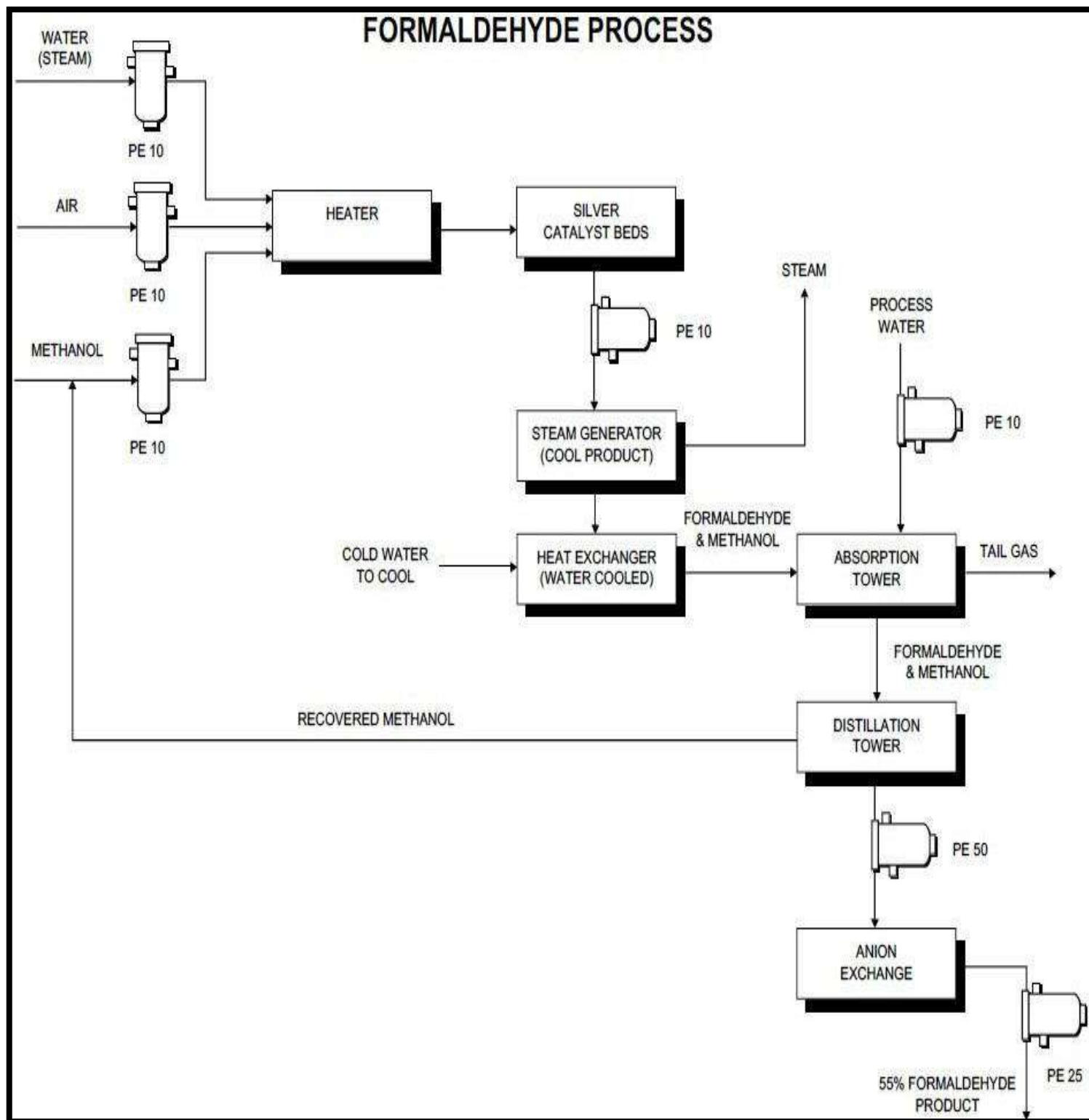
Mostly the absorber is packed with pall rings. If proper packing size and cooling is maintained more than 95% absorption is completed in the absorption column- I.

The unabsorbed gas from the absorption column- I is absorbed in the absorption column – II and subsequently in Column-III by circulating and cooling absorber sump dilute Formaldehyde solution in Plate Heat Exchanger. Finally, the gas is washed with pure Chilled DM water at the upper part of the column - III, provided with bubble cap trays, and then exhausted as tail gas to the atmosphere.

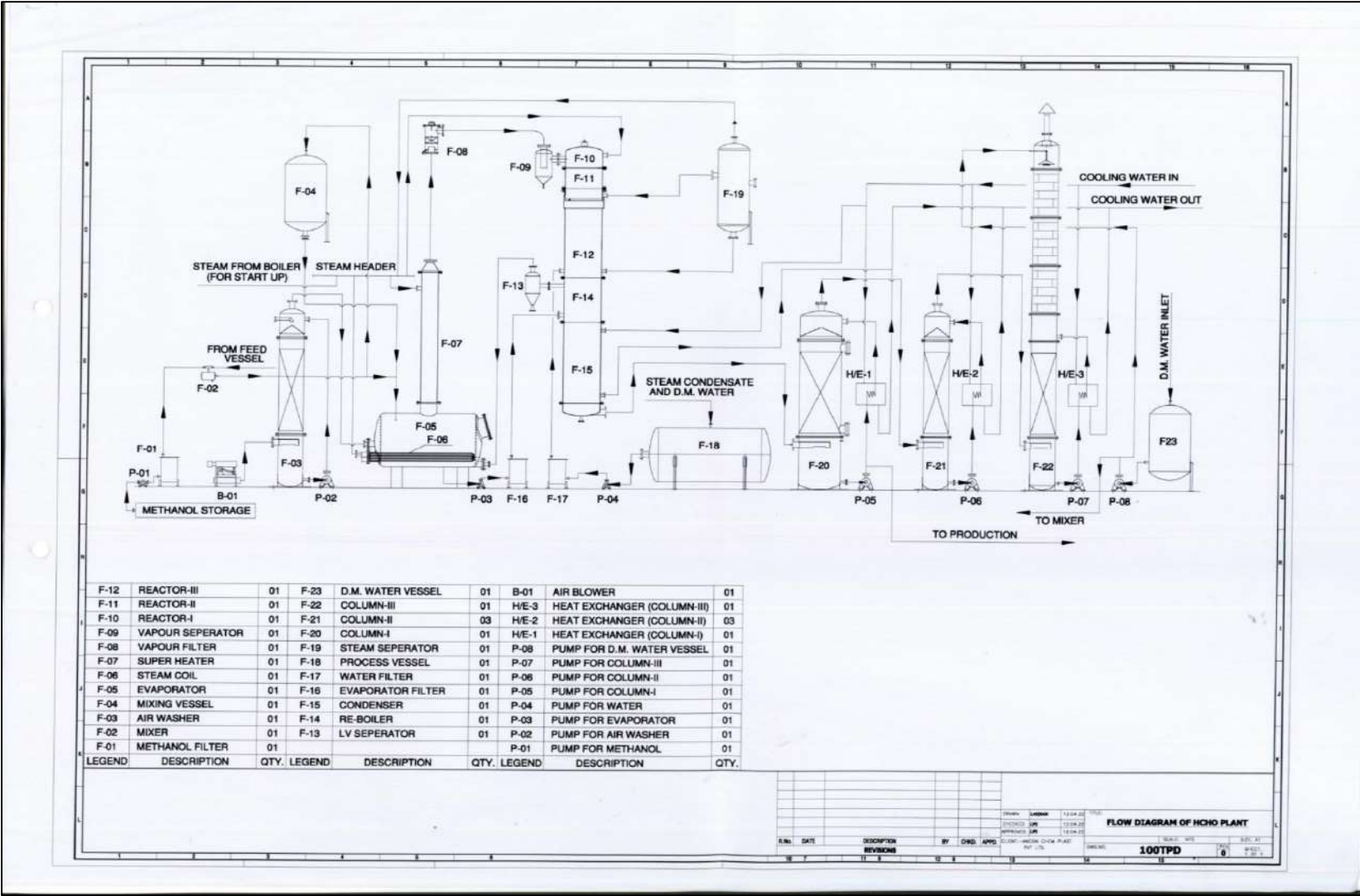
The Exhaust gasses contain only Nitrogen, Hydrogen, Carbon dioxide and traces of Formaldehyde and Methanol.



Process Flow Chart



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

Measures on mitigating the impact on the environment and mode of discharge or disposal:

CAPITAL COST OF THE PROJECT AND ESTIMATED TIME OF COMPLETION

The total cost of the project will be Rs 9.25 Crores.

The proposed project will be done within one year after granting of Environment Clearance.

SITE DETAILS:

M/s Ancon Chemplast (P) Limited is located at Village Garh Mirakpur, Tehsil & District Sonipat Haryana. The industry shall manufacture 40,200 TPA of Formaldehyde. The total land area is 3716 Sqm., out of which, 1261.51 Sqm (33 %) is kept for greenbelt.

POINT	LATITUDE	LONGITUDE
1	28°59'33.33"N	77°10'11.58"E
2	28°59'31.32"N	77°10'11.49"E
3	28°59'31.28"N	77°10'13.76"E
4	28°59'33.20"N	77°10'13.80"E
ELEVATION		238 m
SOURCE		(Google Earth)

BASELINE ENVIRONMENTAL DATA AND THEIR IMPACTS:

Various Environmental factors as existing in the study area which are liable to be affected by the activities have been assessed both quantitatively and qualitatively. Baseline environmental data generation of study area was carried out during the 15 February – 15 May, 2024.



Chandigarh Pollution Testing Laboratory- EIA Division
(QCI/ NABET Certificate No: NABET/EIA/2225/RA 0250)

“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

AMBIENT AIR QUALITY:

The PM_{2.5}, PM₁₀, SO₂, NO₂, CO levels were monitored at eight locations in the study area. The P98 levels of criteria pollutants for 15 February, 2024 to 15 May, 2024 are as follows: PM_{2.5} is 45.29 µg/m³, PM₁₀ is 85.55 µg/m³, SO₂ is 9.51 µg/m³, NO₂ is 17.97 µg/m³ and CO is 0.79 mg/m³. The baseline air quality level is within the National Ambient Air Quality Standards prescribed for industrial, residential, rural & other area and also satisfies the air quality index (AQI) w.r.t. health bracket for all the monitoring. (Standards are 60, 100, 80, 80 µg/m³ and 4.0 mg/m³ for PM_{2.5}, PM₁₀, SO₂, NO_x and CO respectively). Due to pollution abatement facilities, proposed project will have insignificant impact on existing air quality.

WATER QUALITY:

Eight groundwater samples and one surface water sample were collected from the study area for chemical and bacteriological analysis. The groundwater quality of the study is satisfactory. No physical or bacterial contamination was found in the water quality. But bacterial contamination is found in surface water. Since, no waste water will be discharged on and, water quality is not likely to be impacted.

NOISE ENVIRONMENT:

Ambient noise levels were monitored at 8 locations in the study area. Noise levels on the Project site during 15 February, 2024 to 15 May, 2024 was found to be 66.9 dB (A) during day time and 46.4 dB (A) at night. The baseline noise levels are well within the National Standards. Proposed project will have less impact than existing one due to better pollution control facility.

SOIL QUALITY:

Eight soil samples were collected from the study area and analyzed. The texture of soil is sandy loam. The organic matter, nitrogen, potassium and phosphorus content of the soil are moderate. The pH of all the soil samples is within the acceptable range. No impact on soil will be there for proposed plant as no waste will be discharged on land.

ECOLOGICAL ENVIRONMENT:

Ecological data has been collected through secondary sources and by site visits. The tree species kikar, Jamun, Peepal and Mango etc are the dominant plant species of the study area. Mongoose, porcupine, jungle cat, cobra, krait, snakes, hare, pigeon and variety of birds are the common animals of the study area. No endangered species of plants and animals are found in the study area, so no impact on ecological environment.

Within the study area, no plant or animal species were found to be on the endangered list. No



Chandigarh Pollution Testing Laboratory- EIA Division
(QCI/ NABET Certificate No: NABET/EIA/2225/RA 0250)

“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

ecologically sensitive area like biosphere reserve, tiger reserve, and migratory corridors of wild elephant, wetland, national park and wildlife sanctuary are present in the study area. Only one reserved forest is found at a distance of 3.73 Km towards South East direction from the project site. Agriculture and industrial workers dominate the occupational structure of the study area. Several induction furnaces, rolling mills, ferroalloy plants, brick kilns, and other small units are present in the study area.

LIKELY IMPACT OF THE PROJECT ON AIR, WATER, LAND, FLORA-FAUNA AND NEARBY POPULATION

No, likely impact of the project site on the air, water, land, flora-fauna and nearby population will be seen with the proposed project coming into being. However, to attenuate the air and noise pollution generated from the proposed greenbelt will be developed in the study area.

Greenbelt for the study area-

Particular	Total
No of trees	316

Budgetary allocation for greenbelt - Rs 3.2 Lakhs has been earmarked as capital cost.

SOCIOECONOMIC CONDITION:

Socioeconomic status has been studied through secondary sources and by site visits. The social requirements identified such as Drinking water requirement, Promotion of Educational institutions and medical facilities to the villagers (especially Senior Citizens and infants or pregnant ladies). Community centers, recreation facilities etc will also be developed as part of social responsibility.

Employment generation with proposed project coming into being- About 19 people will be hired from local area based on their respective qualification.

EMERGENCY PLAN

Emergency planning is primary for the protection of plant personnel and people in nearby areas and the environment that could be affected by unplanned hazardous events. Furnaces are associated with fire and electrical hazard due to sudden generation of pressure or temperature that leads to damage, injury and death. Temperature and pressure are closely related, and when flammable or combustible mixture is present in process equipment that leads to worst consequences. Thus, an engineering evaluation will be done for worst-case scenario.



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

Mitigation Measures

S. No.	Particulars	Mitigation measures to be adopted		
1.	Air Environment	Fugitive/Flue gas emissions generated from reactor/boiler. Adequate APCD will be attached to Boiler. The mitigation measure adopted as under: The main raw material brought in and dispatched by road in tankers/ covered enclosures. All the vehicle owners will be directed to ensure valid PUC Certificate. All vehicles shall be loaded up-to prescribed limit during transportation. Dust suppression on all roads will be done at regular intervals. Adequate & appropriate Stack will be installed with the boiler to control the particulate and gaseous emissions due to combustion of fuel. All the roads are asphalted to control the fugitive dust Emissions Proper servicing & maintenance of vehicles is/will be carried out.		
2.	Water Environment	Water requirement of the plant will be met from ground water. Roof top (Office Block) rain water will be recharged to compensate for ground water with-drawl. The proposed plant would have “Zero Effluent discharge”. Waste water from different streams will be treated in MEE and Drier and used for green belt development / re-use for cooling. The Domestic Waste water to the tune of 2KLD will be generated and the same will be treated in the Septic tank The treated water will be used on land for plantation. Portable water to labour for drinking purpose. Rain water conservation.		
3.	Solid/Hazardous Waste Environment	Entire Solid/Hazardous waste generations from the process will be stored & disposed off as per norms.		
		<table><tr><td></td><td>Solid Waste</td></tr></table>		Solid Waste
	Solid Waste			



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

			Particulars	Category	Management	Total Waste (Kg/day & TPA)
		1.	Organic Waste	Bio Degradable	Composting	3 Kg/day
		2.	Recyclable Waste	Non-Biodegradable	Recycler	7 Kg/day
			Hazardous Waste			
		S. No.	Waste	Category	Quantity	Disposal
		1.	ETP Sludge	35.3	0.5 TPA	Sent to TSDF Site
		2.	Used/Spent oil	5.1	0.2 TPA	Sold to authorized recyclers.
4.	Noise Environment	<ul style="list-style-type: none"> Noise free machines of latest technology will be installed. The green belt will (plantation of dense trees across the boundary) help in reducing noise levels, by attenuation of noise generated due to plant operations, and transportation. Earmuffs will be provided while running the equipment of the plant. D.G sets will be provided with acoustic enclosures to control the noise level within the prescribed limit. A high standard of maintenance and proper lubrication will be practiced for plant machinery and equipment, which helps to avert potential noise problems 				



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

5.	Odour Management	<ul style="list-style-type: none"> • The remedial measures will be taken such as better house-keeping by regular steaming of all the equipment. • Temperature will be kept under control during the process • The green belt will (plantation of dense trees across the boundary)
-----------	-------------------------	---

- ☐ **EMP Budget**
- ☐ **Capital cost** – Rs 155.2 Lakhs has been earmarked for EMP budget
- ☐ **Recurring cost** – Rs 17.00 Lakhs has been earmarked for EMP budget.

Expenditure on Environment Measures (EMP- Cost)				
S.No.	Heading	Approximate Capital Cost (Rs Lakhs)	Approximate Recurring Cost(Rs Lakhs)	Basic of Cost Estimate
1.	Air Pollution	100.0	2.0	Capital Cost: Cost of APCS. Recurring Cost: Operational & maintenance Cost.
2.	Water Pollution	30.0	8.0	Capital Cost: Installation of MEE and Drier, RWH & Water Conservation measures Recurring Cost: Operational & maintenance cost, Cost of chemicals & salary of operations.
3.	Noise Pollution	5.0	0.50	Capital Cost: Installation of acoustic enclosures. Recurring Cost: Monitoring and maintenance cost.



“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

4.	Solid & Hazardous Management	5.0	0.5	Capital Cost: Construction of storage sheds. Recurring Cost: Cost of transportation.
5.	Green Belt	3.2	3.2 (for three years)	Capital Cost: Green Belt Development Cost. Recurring Cost: Green belt maintenance cost
6.	Occupational Health & Safety	5.0	0.30	Capital Cost: Occupational Health Centre & Equipment's, PPE Recurring Cost: Occupational checkup & medicines.
7.	Environment monitoring	0	0.50	-
8.	Energy Conservation	1.0	0.5	-
9.	Disaster and Risk Management	5.0	1.5	-
10.	Miscellaneous	1.0	0	-
Total		155.2 Lakhs	17 Lakhs	

Public Hearing: - Draft EIA/EMP Report has been prepared for the purpose of Public Hearing.

☐ **CER Activities (Corporate Environmental Responsibility):**

In lieu of Corporate Environmental Responsibility, the project proponent will undertake the below activities for the amelioration of environment as per provisions of OM dated 25.02.2021 issued by MOEF&CC and the same will be executed as part of EMP in a time span of three years.

ADDITIONAL ENVIRONMENTAL ACTIVITIES			
	DESCRIPTION	Estimated Cost (in Rs Lakhs)	Time Line/Action Plan



Chandigarh Pollution Testing Laboratory- EIA Division
(QCI/ NABET Certificate No: NABET/EIA/2225/RA 0250)

“Draft Environment impact assessment Report of M/s Ancon Chemplast (P) Limited located at Village Garh Mirakpur, Sonipat Haryana”

1.	Plantation in community areas in consultation with concerned village panchayat.	Rs 5.0 Lakhs	Starting after six months of grant of EC, plantation will be completed within three successive monsoon seasons i.e. September 2024, May 2025 & December 2026
2.	10kw Solar panel in nearby Govt school	Rs 5.0 Lakhs	During the 2 nd year after the grant of EC i.e., March 2026
	Total	Rs. 10 Lakhs	

