



File No: IA-J-11011/55/2025-IA-II(I)
Government of India
Ministry of Environment, Forest and
Climate Change
IA Division



Date 24/11/2025



To,

AARTI PHARMALABS LIMITED
AARTI PHARMALABS LIMITED
Unit-III, Plot No. K-17/18/19, M.I.D.C., Tarapur, Taluka - Palghar, Kolwade, PALGHAR,
MAHARASHTRA, Navapur Road, MIDC Tarapur, 401506
mahendra.patil@aartipharmalabs.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/MH/IND3/551451/2025 dated 25/09/2025 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25A2405MH5448929N
(ii) File No.	IA-J-11011/55/2025-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vi) Sector	Industrial Projects - 3
(vii) Name of Project	New Project for Manufacturing of API Products by M/s. Aarti Pharmalabs Limited
(viii) Name of Company/Organization	AARTI PHARMALABS LIMITED
(ix) Location of Project (District, State)	PALGHAR, MAHARASHTRA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	Yes

3. The Ministry of Environment, Forest and Climate Change has examined the proposal seeking environmental clearance of the proposed New project for Manufacturing of 2000 TPM of API Products at Plot no L-99 and Boilers, Utility & production of Tech Salt (Potassium Chloride containing about 0.5 % of Potassium Fluoride) of 250 TPM located at Plot No. L-10 by M/s.

4. The project is covered under the Category A of item 5(f) of the Schedule of Environment Impact Assessment (EIA) Notification, 2006 (amended from time to time) due to the applicability of the general condition i.e., the project site is located in Tarapur Industrial Area which is a **Critically Polluted Area (CPA)** and hence the proposal is appraised at the Central Level by the Expert Appraisal Committee (EAC).

5. ToR has been issued by Ministry vide letter No. IA-J-11011/55/2025-IA-II(I) dated 13/02/2025. The project proposal was considered by the Expert Appraisal Committee (Industry-3) in its **113th meeting held on 24th October, 2025**, wherein the Project Proponent and the accredited Consultant namely M/s. Sadekar Enviro Engineers Private Limited (NABET Accreditation Number: NABET/EIA/23-26/SA 0239, Valid till 18-04-2026) made a detailed presentation on the salient features of the project.

6. Existing land area is 7257 m². Details/Status of Land Ownership/Land Possession:

Sr. No.	Plot no./Survey no./Gat no.	Plot area (sq. m.)	Date of land allotment (if applicable)	Date of land Possession (if applicable)	Date of lease /sale deed / land transfer (if applicable)	Validity of lease/sale deed or possession certificate	Name on the lease/sale deed or allotment/possession certificate
1.	Plot no. L-99	5157	12.09.2024	NA	NA	NA	M/s. Aarti Pharmalabs Limited
2.	Plot no. L-10	2100	NA	NA	29.11.2023	NA	

Chronology of Land Transfer:

- The Plot no. L-99 & L-10 was allotted to M/s. Aarti Pharmalabs Limited (Unit V-II) by MIDC Tarapur dated 03.10.2024 & 29.11.2023 respectively.
- PP reported that MIDC provided plot possession receipt vide letter no. RO THANE-1/TRP/L-99/ dated 03/10/2024 and Plot name change letter having vide letter no. MIDC/ROTI-1/TRP/L-10/6453/2023 dated 29.11.2023 by MIDC Tarapur.

7. The details of products and capacity as under:

S.N.	Product Details	CAS No.	Total Quantity (TPM)	Uses
At Plot No. L-99				
1.	Caffeine	58-08-02	1000	Food & Drug
2.	Paracetamol	103-90-2	1000	Anti-Fever Medicine
Total			2000 TPM	
S.N.	Product Details	CAS No.	Total Quantity (TPM)	Uses
At Plot No. L-10				
1.	Tech Salt (Potassium Chloride containing about 0.5 % of Potassium Fluoride)	7447-40-7 7789-23-3	250	-

8. PP reported that there is no violation under EIA, 2006/court case/show cause/direction related to the project under consideration.

9. Details / Chronology of existing EC, CTO, CTE:

Consent to Establish obtained vide no. **Format1.0/AS(T)/UAN no. 0000223966/CE/2411000875 obtained dated 14/11/2024 and valid up to commissioning of the unit or up to 5 years whichever is earlier for Plot No. L-99 and vide no. Format1.0/AS(T)/UAN No.0000232468/CR/2502002099 obtained dated 25/02/2025, valid up to 31/03/2030**

Sr. No.	Environment related Clearance / Permit Type	Granted by	Document No. & Date
1.	Consent to Establish (CTE)	Maharashtra Pollution Control Board	Format1.0/AS(T)/UAN No.0000223966/CE/2411000875 Date of Issue: 14/11/2024

2.	Consent to Operate (CTO)	Maharashtra Pollution Control Board	Format1.0/AS(T)/UAN No.0000232468/CR/2502002099 Date of Issue: 25/02/2025
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10. PP reported that there are **no** national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. River/ water body **Lower Banganga River** is flowing at a distance of **1.90 Km** in **South** direction. **6 nos. Schedule-I species i.e. *Spilornis cheela*, *Accipiter badius*, *Pavo cristatus*, *Ptyas mucosa*, *Naja naja*, *Daboia russelii*** and status of approval of the conservation plan for the Schedule-I species.

PP reported that Wildlife Conservation Plan is submitted to the Chief Wildlife Warden, Nagpur with an allocated budget of Rs. **30.25 Lakh**.

Details of project site proximity (in km) to sensitive areas:

- Habitation: **Boisar is at an aerial distance of 2.0 km away from the project site in E direction.**
- School: **Z.P. School Kumbhawali is located at an aerial distance of 1.10 Km in WSW direction from the project site**
- River/Waterbody: **Lower Banganga River is approximately at an aerial distance of 1.90 Km towards S direction from the project site**
- Hospital: **Thunga Hospital, MIDC Tarapur is located at an aerial distance of 1.80 km in E direction from the project site**

11. Ambient air quality monitoring was carried out at **8 locations** during **October 2024 to December 2024** and the baseline data indicates the ranges of concentrations as: PM₁₀ (**46.0 g/m³ – 68.3 g/m³**), PM_{2.5} (**10.1 g/m³ – 24.3 g/m³**), SO₂ (**5.1 g/m³ – 18.7 g/m³**), NO_x (**6.1 g/m³ – 21.2 g/m³**). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 0.01154 µg/m³, 0.00577 µg/m³, 1.6212 µg/m³ and 1.49428 µg/m³ with respect to PM10, PM2.5, SOx and NOx. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

12. PP reported that total water requirement will be **1516.35 m³/day** (1164.85 CMD at Plot No. L-99 and 351.5 CMD at Plot No. L-10) of which fresh water requirement will be **790.69 m³/day** (683.1 CMD at Plot No. L-99 and 107.59 CMD at Plot No. L-10) will be met from **MIDC Tarapur, Taluka & District – Palghar, Maharashtra** the approval for water supply will be obtained after grant of Environmental Clearance. Remaining water requirement of (617.72 m³/day treated wastewater+ 98.59 m³/day recirculation) will be met from recycled water.

13. PP reported that effluent of **607 CMD (Trade effluent: 602 CMD, Domestic effluent: 5.0 CMD)** quantity will be treated through **solvent stripper, MVR/MEE followed by ATFD, ETP (Primary, Secondary and Tertiary), RO systems & Sewage Treatment Plant (STP) respectively at Plot No. L-99 and 41.01 CMD (Trade effluent: 37.01 CMD, Domestic effluent: 4.0 CMD)** quantity will be treated through **SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system & Sewage Treatment Plant (STP) respectively at Plot No. L-10.**

14. Rainwater storage tank capacity (nos. x KL): - **(1 x 20 KL at Plot No. L-99 & 1 x 20 KL at L-10)**

15. PP reported that Power requirement for proposed unit will be **2550 kVA (Demand Load)** and **2775 kW (Connected Load)** at plot No L-99 and **250 kVA (Demand Load)** and **800 kW (Connected Load)** at plot No L-10 and will be met from **Maharashtra State Electricity Distribution Company Limited (MSEDCL)**. Proposed unit will have D. G. Set of **(500 kVA X 2 nos.)** capacity at Plot No L-99 and **(200 kVA X 1 no.)** capacity at Plot No L-10, will be used as standby during power failure. Stack **(5 m height each (Above roof level) for 500 KVA at Plot No. L-99 and 3 m height (Above roof level) for 200 KVA at plot no. L-10)** will be provided as per CPCB norms to the proposed DG sets.

16. PP reported that APL has **2 Nos. of biomass briquette/Imported coal fired boiler (1 x 10 TPH & 1 x 6 TPH) at Plot No. L-10**. Bag filter with common stack of height of **35 m** is installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boilers.

Stack Height Details along with Pollution Control System given below:

Sr. No.	Utilities	Details	Fuel Used	Pollution Control System
1.	#Steam Boilers at	10 TPH x 1 No 6 TPH x 1 No	Biomass Briquette/ Imported Coal	Bag filter and Common Stack of 35-meter height is provided.

	Plot No. L-10, MIDC Tarapur, Maharashtra			
2.	DG set*	(500 KVA X 2 nos.),	HSD	Acoustic enclosure with separate 30-meter stack each (above roof level) will be provided.
3.	DG set*	(200 KVA X 1 nos.)	HSD	Acoustic enclosure with separate 3-meter stack (above roof level) will be provided.
* DG Sets will be operated only during power failure.				

17. Details of fuel: Existing and Proposed

Fuel Name	Total
High Speed Diesel (HSD) for DG set.	252 Ltr. /Hr.
<i>Note: DG Sets will be operated only during power failure.</i>	

18. Details of Process emissions generation and its management:

Sr. No.	Utilities	Details	Fuel Used	Pollutant	Pollution Control System
At Plot No. L-99					
1.	Acid Scrubber	2000 CFM x 1 no.	--	Alkaline pollutant	6-meter stack each (above roof top) will be provided.
2.	Alkali Scrubber	2000 CFM x 1 no.	--	Acid Mist	
Sr. No.	Utilities	Details	Fuel Used	Pollutant	Pollution Control System
At Plot No. L-10					
1.	Water Scrubber	2000 CFM x 1 no.	--	Alkaline pollutant	15-meter stack is provided.

19. Details of Solid waste/ Hazardous waste generation and its management:

Interim storage area earmarked for Hazardous waste (sq. m.): - **56.77 sq. m. (Approximate) at plot no L-99 and 38.36 sq. m. (Approximate) at plot no L-10.**

Details of Hazardous Waste:

Sr. No.	Type of Waste	Category of waste	Quantity	UOM	Method of Disposal
			Total		
At Plot No. L-99					
1.	Spent Carbon	28.3	1930	TPA	Co-processing / CHWTSDF
2.	Spent Acid 30-40% Acetic Acid (From Paracetamol process)	36.1	12650	TPA	Sale to MPCB Authorized Party / CHWTSDF
3.	Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles / waste.	33.1	150	TPA	Sale to MPCB Authorized Party
4.	Contaminated cotton rags or other cleaning materials	33.2	6	TPA	Incineration / Co-processing
5.	Used or Spent Oil	5.1	8	TPA	Sale to MPCB Authorized Recycler
6.	Wastes or residues containing oil	5.2	5	TPA	CHWTSDF/Co-processing
7.	Chemical sludge from waste water treatment.	35.3	110	TPA	CHWTSDF
8.	Concentration or evaporation residues (From ATFD)	37.3	15500	TPA	CHWTSDF

9.	Discarded Asbestos	15.2	12	TPA	CHWTSDF
10.	Date expired products	28.5	50	TPA	CHWTSDF/Co-processing
11.	Off Specification Product	28.4	50	TPA	CHWTSDF/Co-processing
12.	Dust from air filtration system	26.2	1.2	TPA	CHWTSDF/Co-processing
13.	Spent carbon or filter medium	36.2	24	TPA	Co-processing /CHWTSDF
At Plot No. L-10					
14.	Process Residue and wastes	28.1	12	TPA	Co-processing / CHWTSDF
15.	Spent carbon	28.3	180	TPA	Co-processing through authorized /CHWTSDF
16.	Chemical sludge from waste water treatment	35.3	60	TPA	CHWTSDF
17.	Empty barrels / containers / liners contaminated with hazardous chemicals / wastes	33.1	36	TPA	Sale to MPCB Authorized Party
18.	Used or spent oil	5.1	2	TPA	Sale to MPCB Authorized Recycler
19.	Spent ion exchange resin containing toxic metals	35.2	5	TPA	CHWTSDF / Co-processing
20.	Contaminated cotton rags or other cleaning materials	33.2	10	TPA	CHWTSDF
21.	Wastes or residues containing oil	5.2	2	TPA	CHWTSDF/Co-processing
22.	Process waste sludge/residues containing acid, toxic metals, organic compounds	26.1	12	TPA	CHWTSDF
23.	Process Residue and wastes	28.1	204	TPA	Co-processing / CHWTSDF
24.	Process residues and wastes (Sulfolane)	28.1	300	TPA	CHWTSDF
25.	Process residues and wastes (KF Solution neutral)	28.1	396	TPA	Sale to MPCB Authorised party/CHWTSDF

Details of Non - Hazardous Waste:

Sr. No.	Particulars	Quantity	UOM	Method of Disposal
At Plot No. L-99				
1.	STP Sludge	20	TPA	Use as manure
2.	Dry Waste : Garbage	5.5	TPA	Sale to authorized party for recycling
	Wet Waste : Food Waste	4	TPA	After composting use as manure
3.	Metal scrap (MS scrap piping, structural, Equipment, Broken Shutters, etc.)	50	TPA	Sale to authorized Recycler
4.	Wood, Wooden Box, Wooden fills cooling tower, Plywood, Pallets	10	TPA	Sale to authorized party
5.	Glass waste	5	TPA	Sale to authorized party
6.	Paper waste	5	TPA	Sale to authorized Recycler
7.	PVC fins cooling tower	15	TPA	Sale to authorized party
8.	Plastic material	0.5	TPA	Sale to authorized party
At Plot No. L-10				
9.	Fuel Ash	2664	TPA	Sale to Brick Manufacturers
10.	Dry Waste : Garbage	2.2	TPA	Sale to authorized party for recycling
	Wet Waste : Food Waste	1.5	TPA	Wet waste will be composted at site and compost to be used as manure

11.	Packaging material/Used PPE's/Non-Recyclable Plastic Waste, Insulation Waste, Used Cables	12	TPA	Sale to Authorized Party
12.	STP sludge	15	TPA	Use as manure
Schedule-I of The Hazardous and Other Wastes (Management and Trans boundary Movement) Rule, 2016.				

Details of E - Waste:

Sr. No.	Particulars	E – Waste Category	Quantity	UOM	Method of Disposal
			Total		
At Plot No. L-99					
1.	Personal Computers (Central Processing Unit with input and output devices)	ITEW2	0.5	TPA	Sale to MPCB authorised recycler / returned to manufacturer / supplier
2.	Personal Computing: Laptop Computers (Central Processing Unit with input and output devices)	ITEW3	0.5	TPA	
3.	Printers including cartridges	ITEW6	0.5	TPA	
4.	Telephones	ITEW12	0.1	TPA	
At Plot No. L-10					
5.	E-waste	ITEW2	1	TPA	Sale to Authorized Battery Recyclers
Reference: E- Waste (Management) Rules 2022 and its amendments					

Details of Battery Waste:

Particulars	Total	Method of Disposal
At Plot No. L-99		
Lead batteries from D.G. Sets, UPS system	1 TPA	Returned to supplier / Sale to Authorized recycler
At Plot No. L-10		
E-waste	1 TPA	Sale to authorized E-waste recycler
Reference: Battery Waste Management Rules, 2022		

Details of Bio - Medical Waste:

Particulars	Category	Quantity (TPA)	Method disposal
At Plot No. L-99			
Soiled waste (Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components)	Yellow	1.5	To CBMWTSDf
At Plot No. L-10			
Soiled waste (Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components)	Yellow	0.5	To CBMWTSDf
Reference: Biomedical Waste Management Rules 2016 and its amendments			

20. Public Hearing is exempted as per clause 7(i)(iii) of OM No. J-11011/321/2016-IA. II(I) dated 27th April 2018 of EIA Notification, 2006 (amended from time to time) as the project site is located within the **MIDC Tarapur**, Notified Industrial Area declared by Government of Maharashtra and notified vide Gazette no. **IDC.2169/23025 IND 1** dated **27.05.1969**.

21. Details/Status of approved Water Supply Permission: PP reported that water permission is approved by MIDC Tarapur for water requirement of 1516.35 CMD.

22. Details/Status of approved Wildlife Conservation Plan: PP reported that Wildlife Conservation Plan is submitted to Chief Wildlife Warden Office, Nagpur for Approval with an allocated budget of Rs. 30.25 Lakhs.

23. Details of Best Technology Adopted: PP reported the process has been developed after years of R&D at pilot level and all the process have been optimized to achieve maximum yield and minimize the generation of waste.

Project integrates eco-friendly technologies focused on sustainability and environmental compliance.

Project will be operated on Zero Liquid Discharge (ZLD) i.e. MVR/MEE followed by ATFD, ETP (Primary, Secondary and Tertiary), RO systems and Sewage Treatment Plant (STP) respectively will be installed for Zero Liquid Discharge (ZLD). STP will be installed for domestic sewage treatment, ensuring water reuse for domestic flushing/greenbelt development. Details are given in **EIA Report Ch. 2, Page no. 2.**

Provision for Disposal of hazardous waste to Sale to Authorized party/ Co-processing/ Pre-processing/ CHWTSDF will be made. Details are given in the **EIA Report Ch. 2, Page no. 2-6.**

Also, 1 No. of Alkali Scrubber, 1 No. of Acidic Scrubber with adequate stack height 6-meter stack each (above roof top) at Plot No. L-99 and and 1 No. of Water Scrubber with adequate stack height 15 meter at Plot No. L-10 and will be provided to comply with CPCB guidelines.

Details are mentioned in the **EIA Report Ch. 2, Page no. 2-5.**

For energy conservation solar panel of 20 kW capacity and 35 Nos. of Solar Street lights is made. Details are mentioned in the **EIA Report Ch. 2, Page no. 2-25.**

Regular monitoring of effluent and air emissions will be carried out for regulatory compliance. Details are mentioned in the **EIA Report Ch. 6, Page no. 6-2.**

This approach minimizes waste, optimizes resource use, and ensures minimal environmental impact.

24. Status of Litigation Pending against the proposal, if any : PP reported that no litigations are pending against the proposal.

25. Industry will develop total greenbelt in an area of **41.60 % i.e. 3019.19 Sq. m.** at project site. The industry will plant a total of **944** nos. of tree saplings.

26. Total Employment will be **175** persons for proposed new project. Industry proposes to allocate **Rs 3.80 Crore @** of **4 %** towards CER.

27. The estimated project cost is **Rs 94.88 Crore.** Total capital cost earmarked towards environmental pollution control measures is Rs 2195.5 Lakhs and the Recurring cost (operation and maintenance) will be about Rs 5729.02 Lakhs per annum. The breakup of capital and recurring cost is as follows:

Sr. No.	Activity	Approximate capital cost (Rs. in Lakhs)	Approximate recurring cost per annum (Rs. in Lakhs)	Basis for cost estimates
1.	Air pollution control	40.0	1.0	Installation, Operation and Maintenance cost of Scrubber (2 nos.), D G Sets. (2 nos.) and stacks.
2.	Water pollution control	2000.0	2700.0	Installation, Operation and Maintenance cost of MVR followed by ATFD, Full-fledged ETP (Primary, Secondary and Tertiary Treatment), HPPTRO, PTRO, PTRO and STP.
3.	Noise pollution monitoring	2.0	1.0	Anti – vibration pads, Regular/routine maintenance of equipment's, Appropriate PPEs (Ear plugs / Ear Muffs etc.) Isolation of high intensity noise generating equipment. Appropriate traffic management will be implemented.
4.	Solid and hazardous waste management	100.0	3000.0	Impervious flooring with leachate collection system and proper ventilation, Membership of the CHWTSDF, organic waste converter, Purchase of containers / bags for storage of hazardous & non-hazardous solid waste, Solid Waste Management and disposal to CHWTSDF.
5.	Environment monitoring and management	0	6.42	Regular Environmental Monitoring - As per EC conditions / As per SPCB guideline, Maintenance of inhouse Laboratory
6.	Green belt	4.0	9.10	Development & maintenance of greenbelt.
7.	Fire & Safety	99.2	10.0	Fire Fighting system, Lightning Arrestor, Fire extinguishers, Personal protective equipment, Alarm system for alerting the working members, First aid kit
8.	Occupational health (OHC)	2.5	2.5	Provision of standard PPE's (Helmet, masks, gloves, ear plugs and safety boots), Annual health-medical check-up of all employees and provision of health insurance to workers.
9.	CER Activity	380	-	As per the OM, 4% of the total project cost allocated for CER activities.
10.	Cost of conservation plan of Schedule-I species, if any	30.25	-	As per the survey and secondary data.
	Total	2657.95	5730.02	--
Sr. No.	Particular	Activity	Amount allocated (Rs.)	
1.	Total Cost	Total Project Cost	9488 Lakh	

2.	EMP Cost	1. Installation & Operation cost of Scrubber 2. Installation of STP Installation, Operation and Maintenance cost of ETP, MVR/MEE followed by ATFD, Full-fledged ETP (Primary, Secondary and Tertiary Treatment), RO System, SEE Installation of anti-vibration & noise cancellation pads. 1. Glares, Breathing Masks, Hand sanitizers, Gloves, Boots, Helmets, Ear Plugs etc. 2. Purchase of containers / bags for storage of hazardous & non-hazardous solid waste. 3. Greenbelt development cost. 4. Installation of the Rain water Harvesting system 5. Solar Street lights 35 Nos. 6. Installation of Solar Roof Top Harvesting System & Solar streetlights.	2195.5 Lakh
3.	Recurring cost	1. Cost of Scrubber installation and maintenance. 2. STP maintenance cost 3. Maintenance cost of ETP 4. Cost for Maintenance of anti-vibration & noise cancellation pads. 5. Annual health-medical check-up of workers 6. Purchase of containers / bags for storage of hazardous & non-hazardous solid waste. 7. Solid Waste Management and disposal to CHWTSDF. 8. Maintenance of Greenbelt. 9. Cost for maintenance of the Rain water Harvesting system. 10. Maintenance of Solar Roof Top Harvesting System & Solar streetlights 11. Monitoring of ambient air, noise, stack, ETP inlet and outlet, workplace 12. Third party monitoring of Compliance of EC Conditions (six monthly)	5729.02 Lakh
4.	CER Cost	As per MoEF&CC OM No. F. No. 22-23/2018-IA.III (Pt) dated 31st October, 2019 the % of the CER may be at least 2.0 times the slabs given in the OM dated 1st May, 2018 for Critically Polluted Area (CPA). Hence, 4% of the total project cost will be allocated for CER activities	380 Lakh
5.	Land	The Land is owned by Project Proponent	---
6.	P. H. Commitment and action plan in brief	Public Hearing is Not Applicable for this Project, since it is located in Notified Industrial Area .	---
7.	Green belt	Greenbelt development and maintenance of greenbelt on an area of 3323 sq. m. (64.43%)	4.0 Lakh
8.	Conservation plan	Cost will be allocated for the Conservation of Schedule-I species.	30.25 Lakh
9.	Water approval	Water permission is obtained from MIDC Tarapur, Taluka & District – Palghar, Maharashtra.	---
10.	Critical issues related to the Project, (if any)	---	---

28. Action Plan to comply with the following mitigation measures as Per Ministry's Office Memorandum 31st October, 2019 regarding Projects located in Critically Polluted Area is as given below:

S N	Environment	Condition	Compliance																																																	
	Air	Stipulation of condition such as: i. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	<table><tr><th>S N</th><th>Source</th><th>Source of Emission</th><th>Fuel</th><th>Emission Level</th><th>SPCB Standards</th><th>Air Pollution Control Devices</th></tr><tr><td>1</td><td>2 No. x 500 kVA D.G. Set at Plot No. L-99</td><td>TPM</td><td>HSD</td><td><50 mg/Nm³</td><td>50 mg/Nm³</td><td>Adequate stack height of 5 meter (each) above roof top.</td></tr><tr><td></td><td></td><td>SO₂</td><td></td><td><43.2 Kg/Day</td><td>43.2 Kg/Day</td><td></td></tr><tr><td>2</td><td>1 No. x 200 kVA D.G. Set at Plot No. L-10</td><td>TPM</td><td>HSD</td><td><50 mg/Nm³</td><td>50 mg/Nm³</td><td>Adequate stack height of 3 meter above roof top.</td></tr><tr><td></td><td></td><td>SO₂</td><td></td><td><43.2 Kg/Day</td><td>43.2 Kg/Day</td><td></td></tr><tr><td>3.</td><td>Boilers: 1 No. x 10 TPH & 1 No. x 6 TPH (Stand by)</td><td>TPM</td><td>Biomass Briquette: 74 TPD or Imported Coal: 45 TPD</td><td>50 mg/Nm³</td><td><50 mg/Nm³</td><td>Common stack with height of 30 meter provided. With multi cyclone filter followed by bagfilter as APCD</td></tr><tr><td></td><td></td><td>SO₂</td><td></td><td>407.4 Kg/Day</td><td><407.4 Kg/Day</td><td></td></tr></table> Note: DG Sets will be operated only during power failure	S N	Source	Source of Emission	Fuel	Emission Level	SPCB Standards	Air Pollution Control Devices	1	2 No. x 500 kVA D.G. Set at Plot No. L-99	TPM	HSD	<50 mg/Nm ³	50 mg/Nm ³	Adequate stack height of 5 meter (each) above roof top.			SO ₂		<43.2 Kg/Day	43.2 Kg/Day		2	1 No. x 200 kVA D.G. Set at Plot No. L-10	TPM	HSD	<50 mg/Nm ³	50 mg/Nm ³	Adequate stack height of 3 meter above roof top.			SO ₂		<43.2 Kg/Day	43.2 Kg/Day		3.	Boilers: 1 No. x 10 TPH & 1 No. x 6 TPH (Stand by)	TPM	Biomass Briquette: 74 TPD or Imported Coal: 45 TPD	50 mg/Nm ³	<50 mg/Nm ³	Common stack with height of 30 meter provided. With multi cyclone filter followed by bagfilter as APCD			SO ₂		407.4 Kg/Day	<407.4 Kg/Day	
S N	Source	Source of Emission	Fuel	Emission Level	SPCB Standards	Air Pollution Control Devices																																														
1	2 No. x 500 kVA D.G. Set at Plot No. L-99	TPM	HSD	<50 mg/Nm ³	50 mg/Nm ³	Adequate stack height of 5 meter (each) above roof top.																																														
		SO ₂		<43.2 Kg/Day	43.2 Kg/Day																																															
2	1 No. x 200 kVA D.G. Set at Plot No. L-10	TPM	HSD	<50 mg/Nm ³	50 mg/Nm ³	Adequate stack height of 3 meter above roof top.																																														
		SO ₂		<43.2 Kg/Day	43.2 Kg/Day																																															
3.	Boilers: 1 No. x 10 TPH & 1 No. x 6 TPH (Stand by)	TPM	Biomass Briquette: 74 TPD or Imported Coal: 45 TPD	50 mg/Nm ³	<50 mg/Nm ³	Common stack with height of 30 meter provided. With multi cyclone filter followed by bagfilter as APCD																																														
		SO ₂		407.4 Kg/Day	<407.4 Kg/Day																																															
		ii. CEMS may be installed in all large / medium red category industries (air polluting) and connected to SPCB and CPCB server.	Not applicable. As per directions under section 18(1)(b) of the water (prevention Control of pollution) act, 1974 and the air (prevention Control of pollution) act, 1981 in the matter of pollution Control in 17 category of highly polluting industries dated 05/02/2014, M/s Aarti Pharmalabs Limited categories under Pharmaceutical Category, which does not requires installation of CEMS for stack monitoring.																																																	
		iii. Effective fugitive emission control measures should be imposed in the process, transportation packing etc.	Below mentioned are the mitigation measures which will be implemented by PP to control fugitive emissions. · Closed feed system will be adopted for charging of the raw materials by utilizing transfer line from storage area to process area. · 1 no. of Acid scrubber & 1 no. of Alkali scrubber will be installed at Plot No. L-99, 1 no. of Water scrubber is at Plot No. L-10, and monitored regularly and checked if emissions are within standard.																																																	

			· Pumps with mechanical seals will be provided · Minimal provision of flanges, joints and valves in pipeline · Regular maintenance of valves, pipes, fittings to avoid any leakages · All the internal roads inside the project will be paved. And same will be used for transportation. · Periodical work area monitoring will be done.
		iv. Transportation of materials by rail/ conveyor belt, wherever feasible.	Transportation of material by rail is not feasible project. Company has identified the Local Suppliers to purchase the raw materials which will help to reduce the distance & fuel emissions that arising from transportation of raw materials.
		v. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided.	Noted. · Industry is using cleaner fuel Biomass Briquette as a primary fuel for operation of Boilers and Imported Coal is used as a contingency. · For operation of 2 nos. of DG set having capacity 500 kVA each at Plot No. L-99 and 1 no. of DG Set having capacity 200kVA at Plot No. L-10, HSD fuel (Total Quantity: 252 Ltr/Hr.) will be used. DG Sets will be operated only during power failure.
		vi. Best available technology may be used. For example: usage of EAF/SAF/IF in place of Cupola furnace. Usage of supercritical technology in place of sub-critical technology.	Following measures will be provide by PP: · The company propose to achieve Zero Liquid Discharge (ZLD) by way of installation of MVR, ATFD, ETP, RO systems at Plot No. L-99 and SEE, Centrifuge, ETP, RO systems at Plot No. L-10. Entire effluent after appropriate treatment shall be recycled within the plot premises. · The company propose to install dedicated STP for sewage treatment. Entire sewage after appropriate treatment shall be reused within plot premises for greenbelt development and toilet flushing purpose at both plots. · Reduction in effluent will be achieved by continuously reducing the input water consumption by recycling Treated effluent. This shall help in reduction of fresh water usage. · Dedicated plant/reactors/equipment for the product will enable to reduce the intermittent washings of the equipment thereby reducing the effluent quantity, · Periodic preventive maintenance of the moving parts of the equipment as per the pre-planned schedule will keep the noise under control. · In addition, PP shall provide acoustic system to the noise generating equipment to control the noise.
		vii. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33% wherever feasible.	· Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. · Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.
		viii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.	As per the requirement of the MoEF&CC guidelines, greenbelt of 40 % of the total plot area is required to be developed by the industry. The total plot area is 7257 sq. m., APL already started the greenbelt development in 3019.19 sq. m. i.e. 41.60% of the total plot area as greenbelt. Considering 2500 nos. of trees per hectare (10,000 sq. m.), total around 994 nos. of the trees required to plant by the industry.
		ix. Assessment of carrying capacity of transportation load on roads inside the industrial premises. If the roads required to be widened shall be prescribed as a condition.	Internal roads having min width of 6 meter and 9 meter turning radius will be provided which will be adequate to carry the transportation activity as per MIDC DCR rules.
2	Water	i. Reuse / recycle of treated wastewater, wherever feasible.	The project will be operated on the basis of Zero Liquid Discharge System. EFFLUENT TREATMENT SCHEME FOR PLOT NO. L-99 A. Effluent Treatment Scheme for Trade effluent: The unit will be operated on Zero Liquid Discharge system. Around 495 CMD HCOD (5%)/HTDS (10%) effluent will be treated through a Solvent Stripper column, Mechanical Vapour Recompression (MVR) / Multiple Effect Evaporator (MEE) unit followed by an Agitated Thin Film Dryer (ATFD). MVR/MEE condensate will be sent to ETP (Primary, Secondary, Tertiary). ETP treated effluent and cooling tower blow down LCOD (0.05%) / LTDS (0.15%) will be sent to Reverse Osmosis (RO) system. The RO permeate will be reused in cooling tower make-up. RO reject will be sent to the MVR for further treatment, ensuring zero discharge of liquid effluent. B. Treatment Scheme for Sewage: STP having capacity 6 CMD will be provided for treatment of 5.0 CMD sewage. Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season. EFFLUENT TREATMENT SCHEME FOR PLOT NO. L-10 A. Effluent Treatment Scheme for Trade effluent: The trade effluent stream will be segregated in LCOD (0.05%) / LTDS (0.5%) effluent. Effluent generated from industrial process along with blow downs from the Cooling tower and Boilers will be passed through SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system. RO permeate will be reused for cooling tower makeup.

			B. Treatment Scheme for Sewage: · STP having capacity 5 CMD will be provided for treatment of 4.0 CMD sewage · Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season																															
		ii. Continuous monitoring of effluent quality/ quantity in large and medium red category industries (water polluting)	The project will be operated on the basis of Zero Liquid Discharge System. Flow meters with IP cameras will be installed.																															
		iii. Detailed water harvesting plan may be submitted by the project proponent.	· Company will provide 20 KL capacity Rooftop Rainwater Harvesting System at both plots. · The harvested rain water will be used during wet season for the cooling tower makeup which will reduce the fresh water requirement during wet season.																															
		iv. Zero Liquid Discharge wherever techno economically feasible.	Trade Effluent Treatment Scheme at Plot No. L-99 The unit will be operated on Zero Liquid Discharge system. Around 495 CMD HCOD (5%)/HTDS (10%) effluent will be treated through a Solvent Stripper column, Mechanical Vapour Recompression (MVR)/ Multiple Effect Evaporator (MEE) unit followed by an Agitated Thin Film Dryer (ATFD). MVR/MEE condensate will be sent to ETP (Primary, Secondary, Tertiary). ETP treated effluent and cooling tower blow down LCOD (0.05%) / LTDS (0.15%) will be sent to Reverse Osmosis (RO) system. The RO permeate will be reused in cooling tower make-up. RO reject will be sent to the MVR for further treatment, ensuring zero discharge of liquid effluent. Trade Effluent Treatment Scheme at Plot No. L-10 The trade effluent stream will be segregated in LCOD (0.05%) / LTDS (0.5%) effluent. Effluent generated from industrial process along with blow downs from the Cooling tower and Boilers will be passed through SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system. RO permeate will be reused for cooling tower makeup.																															
		v. In case domestic waste water generation is more than 10 KLD, the industry may install STP	Domestic Effluent Treatment Scheme at Plot No. L-99 STP having capacity 6 CMD will be provided for treatment of 5.0 CMD sewage. Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season. Domestic Effluent Treatment Scheme at Plot No. L-10 · STP having capacity 5 CMD will be provided for treatment of 4.0 CMD sewage · Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season																															
3	Land	i. Increase of greenbelt cover by 40% of the total land area beyond the permissible requirement of 33% wherever, feasible for new projects.	· Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. · Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.																															
		ii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.	· Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. · Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.																															
		iii. Dumping of waste (fly ash, slag red mud etc.) may be permitted only at designated locations approved by SPCBs / PCCs.	Not Applicable. Dumping of the mentioned waste is not envisaged in the said project.																															
		iv. More stringent norms for management of hazardous waste. The waste generated should be perfectly utilized in co-processing.	Hazardous waste and its management are given below; <table><tr><th rowspan="2">Sr. No.</th><th rowspan="2">Type of Waste</th><th rowspan="2">Category of waste</th><th>Quantity</th><th rowspan="2">UOM</th><th rowspan="2">Method of Disposal</th></tr><tr><th>Total</th></tr><tr><td colspan="6">At Plot No. L-99</td></tr><tr><td>1.</td><td>Spent Carbon</td><td>28.3</td><td>1930</td><td>TPA</td><td>Co-processing / CHWTSDF</td></tr><tr><td>2.</td><td>Spent Acid 30-40% Acetic Acid (From Paracetamol process)</td><td>36.1</td><td>12650</td><td>TPA</td><td>Sale to MPCB Authorized Party / CHWTSDF</td></tr><tr><td>3.</td><td>Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles /</td><td>33.1</td><td>150</td><td>TPA</td><td>Sale to MPCB Authorized Party</td></tr></table>	Sr. No.	Type of Waste	Category of waste	Quantity	UOM	Method of Disposal	Total	At Plot No. L-99						1.	Spent Carbon	28.3	1930	TPA	Co-processing / CHWTSDF	2.	Spent Acid 30-40% Acetic Acid (From Paracetamol process)	36.1	12650	TPA	Sale to MPCB Authorized Party / CHWTSDF	3.	Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles /	33.1	150	TPA	Sale to MPCB Authorized Party
Sr. No.	Type of Waste	Category of waste	Quantity				UOM			Method of Disposal																								
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1.	Spent Carbon	28.3	1930	TPA	Co-processing / CHWTSDF																													
2.	Spent Acid 30-40% Acetic Acid (From Paracetamol process)	36.1	12650	TPA	Sale to MPCB Authorized Party / CHWTSDF																													
3.	Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles /	33.1	150	TPA	Sale to MPCB Authorized Party																													

				waste.					
			4.	Contaminated cotton rags or other cleaning materials	33.2	6	TPA	CHWTSDF / Co-processing	
			5.	Used or Spent Oil	5.1	8	TPA	Sale to MPCB Authorized Recycler	
			6.	Wastes or residues containing oil	5.2	5	TPA	CHWTSDF/Co-processing	
			7.	Chemical sludge from waste water treatment.	35.3	110	TPA	CHWTSDF	
			8.	Concentration or evaporation residues (From ATFD)	37.3	15500	TPA	CHWTSDF	
			10.	Discarded Asbestos	15.2	12	TPA	CHWTSDF	
			11.	Date expired products	28.5	50	TPA	CHWTSDF/Co-processing	
			12.	Off Specification Product	28.4	50	TPA	CHWTSDF/Co-processing	
			13.	Dust from air filtration system	26.2	1.2	TPA	CHWTSDF/Co-processing	
			14.	Spent carbon or filter medium	36.2	24	TPA	Co-processing /CHWTSDF	
			At Plot No. L-10						
			15.	Process Residue and wastes	28.1	12	TPA	Co-processing / CHWTSDF	
			16.	Spent carbon	28.3	180	TPA	Co-processing through authorized /CHWTSDF	
			17.	Chemical sludge from waste water treatment	35.3	60	TPA	CHWTSDF	
			18.	Empty barrels / containers / liners contaminated with hazardous chemicals / wastes	33.1	36	TPA	Sale to MPCB Authorized Party	
			19.	Used or spent oil	5.1	2	TPA	Sale to MPCB Authorized Recycler	
			20.	Spent ion exchange resin containing toxic metals	35.2	5	TPA	CHWTSDF / Co-processing	
			21.	Contaminated cotton rags or other cleaning materials	33.2	10	TPA	CHWTSDF	
			22.	Wastes or residues containing oil	5.2	2	TPA	CHWTSDF / Co-processing	
			23.	Process waste sludge/residues containing acid, toxic metals, organic compounds	26.1	12	TPA	CHWTSDF	
			24.	Process Residue and wastes	28.1	204	TPA	Co-processing / CHWTSDF	
			25.	Process residues and wastes (Sulfolane)	28.1	300	TPA	CHWTSDF	
			26.	Process residues and wastes (KF Solution neutral)	28.1	396	TPA	Sale to MPCB Authorised party/ CHWTSDF	
			Schedule-I of The Hazardous and Other Wastes (Management and Trans boundary Movement) Rule, 2016.						
			· Dedicated storage area will be provided inside the plot boundary for storage as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.						

			· Hazardous waste will be disposed according to the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, category specified in Schedule I [rule 3 (1) (17) (i)]. · All records will be maintained as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. · The generated wastes such as Used or Spent Oil, Concentration or Evaporation residue (ATFD Salt), Chemical sludge from Waste Water Treatment, Solid Waste from process (Carbon) and Distillation residue are suitable for co-processing and having good calorific value will utilized in co-processing.
4	Other Condition (Additional)	i. Monitoring of compliance of EC conditions may be submitted with third party audit every year.	APL will ensure monitoring of compliance of EC conditions will be submitted through third party audit every year.
		ii. The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	· Total CER fund will be 380 Lakh (As per OM No. F. No. 22-23/2018-IA.III (Pt) dated 31st October 2019, the % of the CER may be at least 2.0 times the slabs given in the OM dated 01.05.2018 for Critically Polluted Area (CPA). As our project comes under CPA now 4% of the total project cost will be allocated for CER activities.) · Company will prepare a CER plan and the same will be communicated to the District Collector and implementation of the same will be done in consultation with District Collector.

29. Deliberations by the EAC:

The following points were discussed in the meeting:

1. PP submitted an undertaking stating that the Environmental Impact Assessment (EIA) Report has been revised by excluding Plot Nos. L-28 and L-10 from the amalgamated proposal, which has resulted in the following:

a. The industrial effluent previously associated with Plot Nos. L-28 and L-29 will no longer be routed to Plot No. L-99 for treatment. Accordingly, the overall effluent generation has been significantly reduced.

b. The generation of hazardous waste has also been minimized, in alignment with the reduced process load and material throughput.

c. Only the transfer of steam from Plot No. L-10 to Plot No. L-99 has been retained in the revised proposal, purely for economic efficiency and resource optimization. This arrangement also facilitates the centralized treatment of flue gases at a single designated location, thereby improving emission control and ensuring compliance with applicable environmental norms.

2. PP submitted revised Action Plan to comply with the mitigation measures as Per Ministry's Office Memorandum 31st October, 2019 regarding Projects located in Critically Polluted Area.

3. PP submitted revised details of disposal of hazardous waste which is as given below:

Sr. No.	Type of Waste	Category of waste	Quantity	UOM	Method of Disposal
			Total		
At Plot No. L-99					
1.	Spent Carbon	28.3	1930	TPA	Co-processing / CHWTSDF
2.	Spent Acid 30-40% Acetic Acid (From Paracetamol process)	36.1	12650	TPA	Sale to MPCB Authorized Party / CHWTSDF
3.	Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles / waste.	33.1	150	TPA	Sale to MPCB Authorized Party
4.	Contaminated cotton rags or other cleaning materials	33.2	6	TPA	CHWTSDF / Co-processing
5.	Used or Spent Oil	5.1	8	TPA	Sale to MPCB Authorized Recycler
6.	Wastes or residues containing oil	5.2	5	TPA	CHWTSDF/Co-processing
7.	Chemical sludge from waste water treatment.	35.3	110	TPA	CHWTSDF
8.	Concentration or evaporation residues (From ATFD)	37.3	15500	TPA	CHWTSDF
9.	Discarded Asbestos	15.2	12	TPA	CHWTSDF
10.	Date expired products	28.5	50	TPA	CHWTSDF/Co-processing
11.	Off Specification Product	28.4	50	TPA	CHWTSDF/Co-processing
12.	Dust from air filtration system	26.2	1.2	TPA	CHWTSDF/Co-processing
13.	Spent carbon or filter medium	36.2	24	TPA	Co-processing /CHWTSDF
At Plot No. L-10					

14.	Process Residue and wastes	28.1	12	TPA	Co-processing / CHWTSDF
15.	Spent carbon	28.3	180	TPA	Co-processing through authorized /CHWTSDF
16.	Chemical sludge from waste water treatment	35.3	60	TPA	CHWTSDF
17.	Empty barrels / containers / liners contaminated with hazardous chemicals / wastes	33.1	36	TPA	Sale to MPCB Authorized Party
18.	Used or spent oil	5.1	2	TPA	Sale to MPCB Authorized Recycler
19.	Spent ion exchange resin containing toxic metals	35.2	5	TPA	CHWTSDF / Co-processing
20.	Contaminated cotton rags or other cleaning materials	33.2	10	TPA	CHWTSDF
21.	Wastes or residues containing oil	5.2	2	TPA	CHWTSDF/Co-processing
22.	Process waste sludge/residues containing acid, toxic metals, organic compounds	26.1	12	TPA	CHWTSDF
23.	Process Residue and wastes	28.1	204	TPA	Co-processing / CHWTSDF
24.	Process residues and wastes (Sulfolane)	28.1	300	TPA	CHWTSDF
25.	Process residues and wastes (KF Solution neutral)	28.1	396	TPA	Sale to MPCB Authorised party/CHWTSDF

The committee was satisfied with the response provided by PP on above information.

The EAC deliberated the Onsite and Offsite Emergency plans and also the various mitigation measures proposed during the implementation of the project and advised the PP to implement the provisions of the Rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, as amended from time to time.

The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for the grant of environmental clearance.

The EAC is of the view that its recommendation and grant of environmental clearance by the regulatory authority to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The PP shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

30. The EAC, after detailed deliberations, **recommended the project for the grant of environmental clearance, subject to the compliance of the terms and conditions and general terms and conditions in Annexure 1.**

31 . Minutes of the meeting may kindly be seen at https://parivesh.nic.in/utildoc/168505178_1761904172305.pdf.

32. Based on the recommendations made by EAC in its 113th meeting held on 24th Oct 2025, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for “ **New project for Manufacturing of 2000 TPM of API Products at Plot no L-99 and Boilers, Utility & production of Tech Salt (Potassium Chloride containing about 0.5 % of Potassium Fluoride) of 250 TPM located at Plot No. L-10 by M/s. Aarti Pharmalabs Limited (Unit V-II), MIDC Tarapur, Taluka & District – Palghar, Maharashtra** ” under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the Specific and General terms and conditions as mentioned at Annexure-1.

33. The Ministry reserves the right to stipulate additional conditions, if found necessary. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project. The Project Proponent is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.

34. General Instructions:

- (a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.
- (b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- (c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
- (d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during perational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
- (e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- (f) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- (g) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

This issues with the approval of the Competent Authority

Copy To

1. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001.
2. The Secretary, Environment and Climate Change Department, Govt. of Maharashtra, New Administrative Bhavan, 15th Floor, Madame Kama Road, Mantralaya, MUMBAI - 400032, Maharashtra, India.
3. The Office of the Principal Chief Conservator of Forests (Head of Forests Force) M.S. Nagpur, 3rd Floor Van Bhavan Ramgiri Road Civil Lines Nagpur 440 001.
4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
5. The Member, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi – 110011.
6. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. PVR Cinema, Sion Circle, Mumbai-400 022.
7. Collector & District Magistrate, Office of the Collector and District Magistrate Palghar, Palghar-Boisar road, Kolgaon, Palghar 401404
8. Guard File/Record File/Monitoring File / MoEF&CC Website.

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. Specific Conditions

S. No	EC Conditions
1.1	(i) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

S. No	EC Conditions
1.2	(ii) Bag filter along with a stack height of 35 m shall be provided to the proposed biomass fired steam boilers (1 x 6 TPH , 1 x 10 TPH) at Plot no. L-10. Stack height of 30 m along with acoustic enclosure shall be provided to the proposed D.G sets (2 x 500 KVA) respectively as per CPCB/SPCB norms. Stack height of 3 m above roof level along with acoustic enclosure shall be provided to each of the proposed D.G sets (1 x 200 KVA) respectively as per CPCB/SPCB norms.
1.3	(iii) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.
1.4	(iv) Acid Scrubber along with adequate stack height shall be provided to control process emissions viz., alkaline pollutant and Alkali Scrubber along with adequate stack height shall be provided to control process emissions viz., acid mist generated at Plot no. L-99 from the proposed project activities. Water Scrubber along with adequate stack height shall be provided to control process emissions viz., alkaline pollutant generated at Plot no. L-10 from the proposed project activities. The scrubbed water should be sent to ETP for further treatment. Efficiency of scrubber shall be monitored regularly and maintained properly. At no time, the emission levels shall go beyond the prescribed standards.
1.5	(v) Total fresh water requirement from MIDC water supply shall not exceed 790.69 m3/day (683.1 CMD at Plot No. L-99 and 107.59 CMD at Plot No. L-10).
1.6	(vi) NOC from the competent authority shall be obtained before start of the plant for drawing of the water from MIDC water supply for the project activities. State Pollution Control Board / Pollution Control Committees shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission.
1.7	(vii) Total Industrial effluent generation shall not exceed 639.01 m3/day (602 m3/day at Plot no. L-99 and 37.01 m3/day at Plot no. L-10). Around 495 CMD HCOD (5%)/HTDS (10%) effluent shall be treated through a Solvent Stripper column, Mechanical Vapour Recompression (MVR)/Multiple Effect Evaporator (MEE) unit followed by an Agitated Thin Film Dryer (ATFD). MVR/MEE condensate shall be sent to ETP (Primary, Secondary, Tertiary). ETP treated effluent and cooling tower blow down LCOD (0.05%) / LTDS (0.15%) shall be sent to Reverse Osmosis (RO) system. The RO permeate will be reused in cooling tower make-up. RO reject will be sent to the MVR/MEE for further treatment, ensuring zero discharge of liquid effluent at plot no 99. STP having capacity 6 CMD will be provided for treatment of 5.0 CMD sewage. Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season. The trade effluent stream will be segregated in LCOD (0.05%) / LTDS (0.5%) effluent at Plot L-10. Effluent generated from industrial process along with blow downs from the Cooling tower and Boilers will be passed through SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system. RO permeate will be reused for cooling tower makeup. STP having capacity 5 CMD shall be provided for treatment of 4.0 CMD sewage. Unit shall maintain ZLD.
1.8	(viii) The green belt of at least 5 m-10m width shall be developed in an area of 3019.19 sq m (41.60%) within plant premises. The industry shall plant additional 944 nos. of trees/saplings/plants within premises. Tree saplings selected for the plantation should be of sufficient height, preferably

S. No	EC Conditions
	6-ft shall be planted in greenbelt area. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of greenbelt. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. The budget earmarked for the plantation shall be kept in a separate account and should be audited annually. The PP shall annually submit the audited statement along with proof of activities viz. photographs (before & after with geo-location date & time), details of expert agency engaged, details of species planted, number of species planted, survival rate, density of plantation etc. to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during previous year.
1.9	(ix) Plantation of saplings shall be carried out as a part of tree plantation campaign "EK PED MAA ke NAAM" and details of the same to be uploaded in the Meri LiFE portal (https://merilife.nic.in) in respect to this Ministry's OM No. IA3-22/3/2024-IA.III(E-241594) dated 24th July 2024.
1.10	(x) Roof top rain water shall be collected in 1 no. x 20 KL (at Plot No. L-99) and 1 x 20 KL (at Plot No. L-10) underground RCC storage tank. The rain water collected shall be reused within the plant after filtration as per requirement. Storm water from the open area shall be collected separately and stored in underground RCC storage tank, which shall be recycled/reused within the plant premises.
1.11	(xi) The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented. The budget proposed under EMP Rs. 2195.5 Lakhs (Capital cost) and Rs 5729.02 Lakhs per annum (Recurring cost)] shall be kept in a separate account and should be audited annually. The PP should submit the annual audited statement along with proof of implementation of activities proposed under EMP duly supported by photographs (before & after with geo-location date & time) and other document as applicable to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.12	(xii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB servers. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
1.13	(xiii) No banned chemicals shall be manufactured by the project proponent. No banned raw materials shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.
1.14	(xiv) The project proponent shall comply with the environment norms for synthetic organic chemical as notified by the Ministry of Environment, Forest and Climate Change, vide GSR 608 (E), dated 21.7.2010 under the provisions of the Environment (Protection) Rules, 1986.
1.15	(xv) All the hazardous waste shall be managed and disposed as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Hazardous waste such as Distillation Residue and Off Specification Products shall be either sent to common incineration site or sent for coprocessing. Solid waste shall be segregated into dry and wet garbage at site in accordance to the Solid Waste Management Rules, 2016. Wet garbage shall be converted into compost and used as manure for greenbelt development.

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1.16	(xvi) A separate Environmental Management Cell (having qualified persons with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions by engaging Environment Officials. In addition to this, one safety & health officer as per the qualification given in Factories Act, 1948 shall be engaged within a month of grant of EC. The PP should annually submit the audited statement of amount spent towards the engagement of qualified persons in EMC along with details of person engaged to the Regional Office of MoEF&CC before 1st July of every year for the activities carried out during the previous year.
1.17	(xvii) The PP shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.18	(xviii) All necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents. The PP shall implement the onsite/offsite emergency plan/mock drill etc. and mitigation measures as prescribed under the rules and guidelines issued in the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, and the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996. The occupier of new as well as expansion projects shall be required to comply with the provisions of the MSIHC Rules, 1989 including notifying their activities or seeking site approval from the concerned authorities, to address operational safety aspects. In doing so, various schedule, particularly Schedule-5 of the said rules may be referred.
1.19	(xix) The volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.97 % with effective chillers/modern technology. Regular monitoring of VOCs shall be carried out.
1.20	(xx) The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
1.21	(xxi) The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
1.22	(xxii) Training shall be imparted to all employees on safety and health aspects for handling chemicals. Safety and visual reality training shall be provided to employees. Action plan for mitigation measures shall be properly implemented based on the safety and risk assessment studies.
1.23	(xxiii) The unit shall make the arrangement for the protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
1.24	(xxiv) The PP shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high pressure-hoses for equipment cleaning to reduce wastewater generation.
1.25	(xxv) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places.

S. No	EC Conditions									
1.26	(xxvi) Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Chemicals shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.									
1.27	(xxvii) PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.									
1.28	As proposed, PP shall comply with the following mitigation measures as per Ministry's Office Memorandum 31st October, 2019 regarding Projects located in Critically Polluted Area:									
	S.No.	Environment	Condition	Compliance						
			Stipulation of condition such as: i. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.	S N	Source of Emission	Fuel	Emission Level	SPCB Standards	Air Pollution Control Devices	
		Air		1	2 No. x 500 kVA D.G. Set at Plot No. L-99	TPM SO ₂	HSD	<50 mg/Nm ³ <43.2 Kg/Day	50 mg/Nm ³ 43.2 Kg/Day	Adequate stack height of 5 meter (each) above roof top.
	2			1 No. x 200 kVA D.G. Set at Plot No. L-10	TPM SO ₂	HSD	<50 mg/Nm ³ <43.2 Kg/Day	50 mg/Nm ³ 43.2 Kg/Day	Adequate stack height of 3 meter above roof top.	
	3.			Boilers: 1 No. x 10 TPH & 1 No. x 6 TPH	TPM SO ₂	Biomass Briquette: 74 TPD or Imported Coal: 45 TPD	50 mg/Nm ³ 407.4 Kg/Day	<50 mg/Nm ³ <407.4 Kg/Day	Common stack with height of 30 meter provided. With multicyclone followed by	

S. No	EC Conditions						
	S.No.	Environment	Condition	Compliance			
				(Stand by)			bagfilter as APCD
				Note: DG Sets will be operated only during power failure			
			ii. CEMS may be installed in all large / medium red category industries (air polluting) and connected to SPCB and CPCB server.	Not applicable. As per directions under section 18(1)(b) of the water (prevention Control of pollution) act, 1974 and the air (prevention Control of pollution) act, 1981 in the matter of pollution Control in 17 category of highly polluting industries dated 05/02/2014, M/s Aarti Pharmalabs Limited categories under Pharmaceutical Category, which does not requires installation of CEMS for stack monitoring.			
			iii. Effective fugitive emission control measures should be imposed in the process, transportation packing etc.	Below mentioned are the mitigation measures which will be implemented by PP to control fugitive emissions. · Closed feed system will be adopted for charging of the raw materials by utilizing transfer line from storage area to process area. · 1 no. of Acid scrubber & 1 no. of Alkali scrubber will be installed at Plot No. L-99, 1 no. of Water scrubber is at Plot No. L-10, and monitored regularly and checked if emissions are within standard. · Pumps with mechanical seals will be provided · Minimal provision of flanges, joints and valves in pipeline · Regular maintenance of valves, pipes, fittings to avoid any leakages · All the internal roads inside the project will be paved. And same will be used for transportation. · Periodical work area monitoring will be done.			
			iv. Transportation of materials by rail/ conveyor belt, wherever feasible.	Transportation of material by rail is not feasible project. Company has identified the Local Suppliers to purchase the raw materials which will help to reduce the distance & fuel emissions that arising from transportation of raw materials.			
			v. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided.	Noted. · Industry is using cleaner fuel Biomass Briquette as a primary fuel for operation of Boilers and Imported Coal is used as a contingency. · For operation of 2 nos. of DG set having capacity 500 kVA each at Plot No. L-99 and 1 no. of DG Set having capacity 200kVA at Plot No. L-10, HSD fuel (Total Quantity: 252 Ltr/Hr.) will be used. DG Sets will be operated only during power failure.			
			vi. Best available technology	Following measures will be provide by PP: · The company propose to achieve Zero Liquid Discharge (ZLD) by way of installation of MVR, ATFD, ETP, RO systems			

S. No	EC Conditions			
	S.No.	Environment	Condition	Compliance
			may be used. For example: usage of EAF/SAF/IF in place of Cupola furnace. Usage of supercritical technology in place of sub-critical technology.	at Plot No. L-99 and SEE, Centrifuge, ETP, RO systems at Plot No. L-10. Entire effluent after appropriate treatment shall be recycled within the plot premises. · The company propose to install dedicated STP for sewage treatment. Entire sewage after appropriate treatment shall be reused within plot premises for greenbelt development and toilet flushing purpose at both plots. · Reduction in effluent will be achieved by continuously reducing the input water consumption by recycling Treated effluent. This shall help in reduction of fresh water usage. · Dedicated plant/reactors/equipment for the product will enable to reduce the intermittent washings of the equipment thereby reducing the effluent quantity, · Periodic preventive maintenance of the moving parts of the equipment as per the pre-planned schedule will keep the noise under control. · In addition, PP shall provide acoustic system to the noise generating equipment to control the noise.
			vii. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33% wherever feasible.	· Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. · Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.
			viii. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry etc.	As per the requirement of the MoEF&CC guidelines, greenbelt of 40 % of the total plot area is required to be developed by the industry. The total plot area is 7257 sq. m., APL already started the greenbelt development in 3019.19 sq. m. i.e. 41.60% of the total plot area as greenbelt. Considering 2500 nos. of trees per hectare (10,000 sq. m.), total around 994 nos. of the trees required to plant by the industry.
			ix. Assessment of carrying capacity of transportation load on roads inside the industrial premises. If	Internal roads having min width of 6 meter and 9 meter turning radius will be provided which will be adequate to carry the transportation activity as per MIDC DCR rules.

S. No	EC Conditions			
	S.No.	Environment	Condition	Compliance
			the roads required to be widened shall be prescribed as a condition.	
	2	Water		The project will be operated on the basis of Zero Liquid Discharge System. <i>EFFLUENT TREATMENT SCHEME FOR PLOT NO. L-99</i> A. Effluent Treatment Scheme for Trade effluent: The unit will be operated on Zero Liquid Discharge system. Around 495 CMD HCOD (5%)/HTDS (10%) effluent will be treated through a Solvent Stripper column, Mechanical Vapour Recompression (MVR) / Multiple Effect Evaporator (MEE) unit followed by an Agitated Thin Film Dryer (ATFD). MVR/MEE condensate will be sent to ETP (Primary, Secondary, Tertiary). ETP treated effluent and cooling tower blow down LCOD (0.05%) / LTDS (0.15%) will be sent to Reverse Osmosis (RO) system. The RO permeate will be reused in cooling tower make-up. RO reject will be sent to the MVR for further treatment, ensuring zero discharge of liquid effluent. B. Treatment Scheme for Sewage: STP having capacity 6 CMD will be provided for treatment of 5.0 CMD sewage. Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season. <i>EFFLUENT TREATMENT SCHEME FOR PLOT NO. L-10</i> A. Effluent Treatment Scheme for Trade effluent: The trade effluent stream will be segregated in LCOD (0.05%) / LTDS (0.5%) effluent. Effluent generated from industrial process along with blow downs from the Cooling tower and Boilers will be passed through SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system. RO permeate will be reused for cooling tower makeup. B. Treatment Scheme for Sewage: · STP having capacity 5 CMD will be provided for treatment of 4.0 CMD sewage · Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season
				The project will be operated on the basis of Zero Liquid Discharge System. Flow meters with IP cameras will be installed.
			iii. Detailed water harvesting plan may be submitted by the project proponent.	· Company will provide 20 KL capacity Rooftop Rainwater Harvesting System at both plots. · The harvested rain water will be used during wet season for the cooling tower makeup which will reduce the fresh water requirement during wet season.

S. No	EC Conditions			
	S.No.	Environment	Condition	Compliance
				Trade Effluent Treatment Scheme at Plot No. L-99 The unit will be operated on Zero Liquid Discharge system. Around 495 CMD HCOD (5%)/HTDS (10%) effluent will be treated through a Solvent Stripper column, Mechanical Vapour Recompression (MVR)/ Multiple Effect Evaporator (MEE) unit followed by an Agitated Thin Film Dryer (ATFD). MVR/MEE condensate will be sent to ETP (Primary, Secondary, Tertiary). ETP treated effluent and cooling tower blow down LCOD (0.05%) / LTDS (0.15%) will be sent to Reverse Osmosis (RO) system. The RO permeate will be reused in cooling tower make-up. RO reject will be sent to the MVR for further treatment, ensuring zero discharge of liquid effluent. Trade Effluent Treatment Scheme at Plot No. L-10 The trade effluent stream will be segregated in LCOD (0.05%) / LTDS (0.5%) effluent. Effluent generated from industrial process along with blow downs from the Cooling tower and Boilers will be passed through SEE (Single Effect Evaporator) followed by Centrifuge, full fledge ETP comprises primary, secondary, and tertiary and RO system. RO permeate will be reused for cooling tower makeup.
				Domestic Effluent Treatment Scheme at Plot No. L-99 STP having capacity 6 CMD will be provided for treatment of 5.0 CMD sewage. Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season. Domestic Effluent Treatment Scheme at Plot No. L-10 - STP having capacity 5 CMD will be provided for treatment of 4.0 CMD sewage - Treated sewage will be used for greenbelt development during dry season and will be used for toilet flushing during wet season
	3	Land	i. Increase of greenbelt cover by 40% of the total land area beyond the permissible requirement of 33% wherever, feasible for new projects.	- Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. - Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.
			ii. Stipulation of greenbelt outside the project premises such as avenue plantation,	- Company will develop Greenbelt in 2178.26 Sq. m. (42.24 % of the total plot area) at Plot No. L-99. - Company will develop Greenbelt in 840.93 Sq. m. (40.04 % of the total plot area) at Plot No. L-10. Thus, a total of 3019.19 sq. m. (41.60 % of the total plot area) greenbelt will develop by the company. Plantation will be done considering 2500 no. of trees / hectare.

S. No	EC Conditions					
	S.No.	Environment	Condition	Compliance		
			plantation in vacant areas, social forestry etc.			
				Not Applicable. Dumping of the mentioned waste is not envisaged in the said project.		
				Hazardous waste and its management are given below;		
				At Plot No. L-99		
				Spent Carbon	28.3	1930 TPA Co-processing / CHWTSDF
				Spent Acid 30-40% Acetic Acid (From Paracetamol process)	36.1	12650 TPA Sale to MPCB Authorized Party / CHWTSDF
				Empty Barrels/ Drums /Containers/ liners / contaminated chemical Bottles / waste.	33.1	150 TPA Sale to MPCB Authorized Party
				Contaminated cotton rags or other cleaning materials	33.2	6 TPA CHWTSDF / Co-processing
				Used or Spent Oil	5.1	8 TPA Sale to MPCB Authorized Recycler
				Wastes or residues containing oil	5.2	5 TPA CHWTSDF/Co-processing
				Chemical sludge from waste water treatment.	35.3	110 TPA CHWTSDF
				Concentration or evaporation residues (From ATFD)	37.3	15500 TPA CHWTSDF
				Discarded Asbestos	15.2	12 TPA CHWTSDF
				Date expired products	28.5	50 TPA CHWTSDF/Co-processing
				Off Specification Product	28.4	50 TPA CHWTSDF/Co-processing
				Dust from air	26.2	1.2 TPA CHWTSDF/Co-

S. No	EC Conditions					
	S.No.	Environment	Condition	Compliance		
				filtration system		processing
				Spent carbon or filter medium	36.2	24 TPA Co-processing /CHWTSDF
				At Plot No. L-10		
				Process Residue and wastes	28.1	12 TPA Co-processing / CHWTSDF
				Spent carbon	28.3	180 TPA Co-processing through authorized /CHWTSDF
				Chemical sludge from waste water treatment	35.3	60 TPA CHWTSDF
				Empty barrels / containers / liners contaminated with hazardous chemicals / wastes	33.1	36 TPA Sale to MPCB Authorized Party
				Used or spent oil	5.1	2 TPA Sale to MPCB Authorized Recycler
				Spent ion exchange resin containing toxic metals	35.2	5 TPA CHWTSDF / Co-processing
				Contaminated cotton rags or other cleaning materials	33.2	10 TPA CHWTSDF
				Wastes or residues containing oil	5.2	2 TPA CHWTSDF / Co-processing
				Process waste sludge/residues containing acid, toxic metals, organic compounds	26.1	12 TPA CHWTSDF
				Process Residue and wastes	28.1	204 TPA Co-processing / CHWTSDF
				Process residues and	28.1	300 TPA CHWTSDF

S. No	EC Conditions					
	S.No.	Environment	Condition	Compliance		
				wastes (Sulfolane)		
				Process residues and wastes (KF Solution neutral)	28.1	396 TPA Sale to MPCB Authorised party/ CHWTSDF
				Schedule-I of The Hazardous and Other Wastes (Management and Trans boundary Movement) Rule, 2016.		
				- Dedicated storage area will be provided inside the plot boundary for storage as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. - Hazardous waste will be disposed according to the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, category specified in Schedule I [rule 3 (1) (17) (i)]. - All records will be maintained as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. - The generated wastes such as Used or Spent Oil, Concentration or Evaporation residue (ATFD Salt), Chemical sludge from Waste Water Treatment, Solid Waste from process (Carbon) and Distillation residue are suitable for co-processing and having good calorific value will utilized in co-processing.		
	4	Other Condition (Additional)	i. Monitoring of compliance of EC conditions may be submitted with third party audit every year.	APL will ensure monitoring of compliance of EC conditions will be submitted through third party audit every year.		
			ii. The % of the CER may be at least 1.5 times the slabs given in the OM dated 01.05.2018 for SPA and 2 times for CPA in case of Environmental Clearance.	- Total CER fund will be 380 Lakh (As per OM No. F. No. 22-23/2018-IA.III (Pt) dated 31st October 2019, the % of the CER may be at least 2.0 times the slabs given in the OM dated 01.05.2018 for Critically Polluted Area (CPA). As our project comes under CPA now 4% of the total project cost will be allocated for CER activities.) - Company will prepare a CER plan and the same will be communicated to the District Collector and implementation of the same will be done in consultation with District Collector.		

Standard EC Conditions for (Synthetic organic chemicals industry)

1.

S. No	EC Conditions
1.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.
1.3	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.4	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
1.5	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
1.6	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
1.7	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
1.8	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
1.9	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall

S. No	EC Conditions
	also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.10	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
1.11	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
1.12	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

Additional EC Conditions

(i) PP shall ensure that there is no transfer of raw materials as well as products including waste/wastewater between the plot No L-10 and Plot No L-99 except steam through pipeline. Adequate safety measures shall be ensured during transfer of steam.

