File No: 11899
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority(SEIAA), TAMIL NADU)
***

Date **26/04/2025**

To,

Thiru.Manoharan C
PHARMAZELL (INDIA) PRIVATE LIMITED
Plot A1 and A2, MEPZ, Tambaram, Chennai , Kadaperi, CHENGALPATTU, TAMIL NADU, , 600045
pharma2unit@gmail.com

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

Sir/Madam,

SEIAA-TN – Environmental Clearance – Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility at Plot No. A1 & A2, MEPZ of Kadaperi Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Pharmazell (India) Private Limited (Unit II)– Category - "B1" and Schedule 5(f) - “Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)” under the EIA Notification, 2006 as amended – Issued – Regarding.

Ref:

1. Earlier Environmental Clearance vide File No. J-11011/666/2007-IA II (I) dated 20.02.2008 and CCR vide E.P/12.1/735/TN/136 dated 30.01.2025
2. Terms of Reference issued vide TOR Identification No. TO24B2410TN5195951N dated 16.07.2024
3. Online Proposal No. SIA/TN/IND3/525784/2025, dt: 26.02.2025
4. Your application for Environmental Clearance (EIA) dated: 27.02.2025
5. Minutes of the 539th meeting of SEAC held on 19.03.2025.
6. Minutes of the 810th Authority meeting held on 21.04.2025.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25B2412TN5605796N
(ii) File No.	11899
(iii) Clearance Type	Fresh EC
(iv) Category	B1

(v) Project/Activity Included Schedule No.	5(f) Synthetic organic chemicals industry
(vii) Name of Project	Expansion of Organic Chemicals Manufacturing Unit
(viii) Name of Company/Organization	PHARMAZELL (INDIA) PRIVATE LIMITED (UNIT II)
(ix) Location of Project (District, State)	CHENGALPATTU, TAMIL NADU
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

1.In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A and B) EMP were submitted to the SEIAA-TN for an appraisal by the SEAC under the provision of EIA notification 2006 and its subsequent amendments.

2.The above-mentioned proposal has been considered by (SEIAA) in the meeting held on 21.04.2025.The minutes of the meeting and all the documents submitted are available on PARIVESH portal which can be accessed by scanning the QR Code above.

3.The SEAC, based on the information viz: Form-2(Part A and B) EMP report etc., & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and compliance thereto furnished by the Project Proponent, recommended the by the SEAC for grant of Environment Clearance under the provision of EIA Notification,2006 and as amended thereof subject to compliance of Specific and Standard EC conditions as given in this letter.

4.The SEIAA, has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and based on the recommendations of the State Expert Appraisal Committee hereby accords Environment Clearance to the instant proposal of M/s. Pharmazell India Private Limited – Unit II under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific and Standard EC conditions as given in Annexure (1)

5. The Ministry/SEIAA-TN reserves the right to stipulate additional conditions, if found necessary.The EC 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.

6.The Project Proponent is under obligation to implement commitments made in the Environment Management Plan which forms part of this EC.

7.The PP is under obligation to implement commitments made in the Environment Management Plan, which form part of this EC. Validity of EC is for a period of 7 years from the date of issue of EC. In case the project proponent fails to complete the construction/proposed activities within the EC validity date, application for EC validity extension shall be submitted to the regulatory authority as per the provision contained in the Para 9.0 of EIA notification, 2006 and its amendment

10.Salient features of the proposal are as follows:

<table>
<tr><th>S. No</th><th>Description</th><th>Details</th></tr>
<tr><td>1.</td><td>Name of the Project & Address along with all corner latitude and longitude</td><td>M/s. Pharmazell India Private Limited – Unit II, at Plot No. A1 & A2, Madras Export Processing Zone (MEPZ), Kadaperi Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu.
<table>
<tr><th>S. No</th><th>Latitude</th><th>Longitude</th></tr>
<tr><td>1</td><td>12°56'54.03"N</td><td>80° 7'12.96"E</td></tr>
<tr><td>2</td><td>12°56'51.09"N</td><td>80° 7'11.72"E</td></tr>
<tr><td>3</td><td>12°56'51.73"N</td><td>80° 7'9.77"E</td></tr>
<tr><td>4</td><td>12°56'54.98"N</td><td>80° 7'10.49"E</td></tr>
<tr><td>5</td><td>12°56'52.41"N</td><td>80° 7'9.84"E</td></tr>
<tr><td>6</td><td>12°56'54.31"N</td><td>80° 7'10.26"E</td></tr>
</table></td></tr>
</table>

<table>
<tr><td>2.</td><td>Type of Organization (Private/ Government/Semi Government etc.</td><td>Private Limited Company</td></tr>
<tr><td>3.</td><td>Correspondence Address and contact details of Project Proponent</td><td>M/s. Pharmazell India Private Limited – Unit II, at Plot No. A1 & A2, Madras Export Processing Zone (MEPZ), Kadaperi Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu.
Name: Mr. M. Sukumar – Head Operation
Contact Details:7397472923</td></tr>
<tr><td>4.</td><td>Type of project (ToR/EC/Amendment in TOR/Amendment in EC/Revalidation/ Expansion/Process change etc.</td><td>Environmental Clearance (EC)</td></tr>
<tr><td>5.</td><td>Category of project as per EIA Notification 2006 Amended from time to time (PL mention category A,B,B1,B2 etc. whichever is applicable)</td><td>'Category B1' of Item 5(f) Synthetic Organic Chemical Industry</td></tr>
<tr><td>6.</td><td>If earlier ToR is obtained PL mention details (ToR letter No. & Date, SEAC/EAC Meeting No.</td><td>The proponent has obtained ToR from SEIAA as vide as TOR Identification No. TO24B2410TN5195951N dated 16.07.2024.
File No: 10987
SEAC Meeting No. 478th State Expert Appraisal Committee Meeting on 21.06.2024</td></tr>
<tr><td>7.</td><td>If earlier EC is Obtained pl. mention EC Number & Date</td><td>File No. J – 11011/666/2007 – IA II (I) Dated: 20th February 2008.</td></tr>
<tr><td>8.</td><td>Whether the proposal is a violation case (yes/no)</td><td>No</td></tr>
<tr><td>9.</td><td>Applicability of CRZ clearance (Yes/No)</td><td>No</td></tr>
<tr><td>10.</td><td>Whether General/Specific Condition are applicable to the project (Yes/No) if yes pl. give details</td><td>No</td></tr>
<tr><td>11.</td><td>Whether Scrutiny fees paid as per SEIAA guide line (Yes/No); give payment details if Yes</td><td>Yes
DD Number: 608255 dated: 27/05/2024</td></tr>
<tr><td>12.</td><td>Name of accredited Environment Consultant & address along with Accreditation No. & validity</td><td>M/s. Green Envirocare Private Limited,
No. 9B – G3, Lakshmi Nivas, 2nd Cross Street, 1st Main Road, Venkatraman Nagar, Hasthinapuram, Chennai – 600 064
NABET/ EIA/23-26/IA 0126 & Valid up to October 19 2026.</td></tr>
<tr><td>13.</td><td>Name of layout plan approving Authority</td><td>CMDA</td></tr>
<tr><td>14.</td><td>Estimated cost of Project (in Rs. Lakhs)</td><td>9.98 crs.
(Existing: 4.98 Crores & Proposed: 5.0 Crores)</td></tr>
<tr><td>15.</td><td>Area of project (in Sq.m)</td><td>6715 Sq.m</td></tr>
<tr><td>16.</td><td>Whether 33% green belt is provided (Yes/No)</td><td>Yes
1,256 Sq.m (0.1256 Ha) – Within the Premises (18.70%)
4,046.85 Sq.m (0.4046 Ha) – Outside the Premises (60.26%)</td></tr>
<tr><td>17.</td><td>Area of Green blet & No. of trees in the proposed in Sq.m (Provide 2000 tree per hectare of green belt area)</td><td>1,256 Sq.m (0.1256 Ha) – Within the Premises (18.70%)
4,046.85 Sq.m (0.4046 Ha) – Outside the Premises (60.26%)
Ø In the existing premises, due to space limitations, around 44 trees are planted and being maintained.
In the nearby Pulikoradu Reserve Forest (0.46 km), in coordination with Green TN Mission and TN Forest Department, planted 500 trees (Area: 1 acre) during Dec 2024 and being maintained.</td></tr>
<tr><td>18.</td><td>Width of internal roads & Turning radius</td><td>Width of Internal Road – 8.3 Meters & Turning radius 9 meter</td></tr>
<tr><td>19.</td><td>Detail of proposed Construction</td><td>
<table>
<tr><th rowspan="2">S. No.</th><th rowspan="2">Description</th><th colspan="2">Area in Sq.m</th><th rowspan="2">Percentage (%)</th></tr>
<tr><th>Existing</th><th>After Expansion</th></tr>
</table>
</td></tr>
</table>

		1	Ground Coverage	1996	1996	30.0
		2	Green Belt Area	1256	1256	18.6
		3	Solid Waste Storage Area	100	100	1.4
		4	Roads and Pavements	3363	3363	50.0
		Total Plot Area		**6715**	**6715**	**100.0**

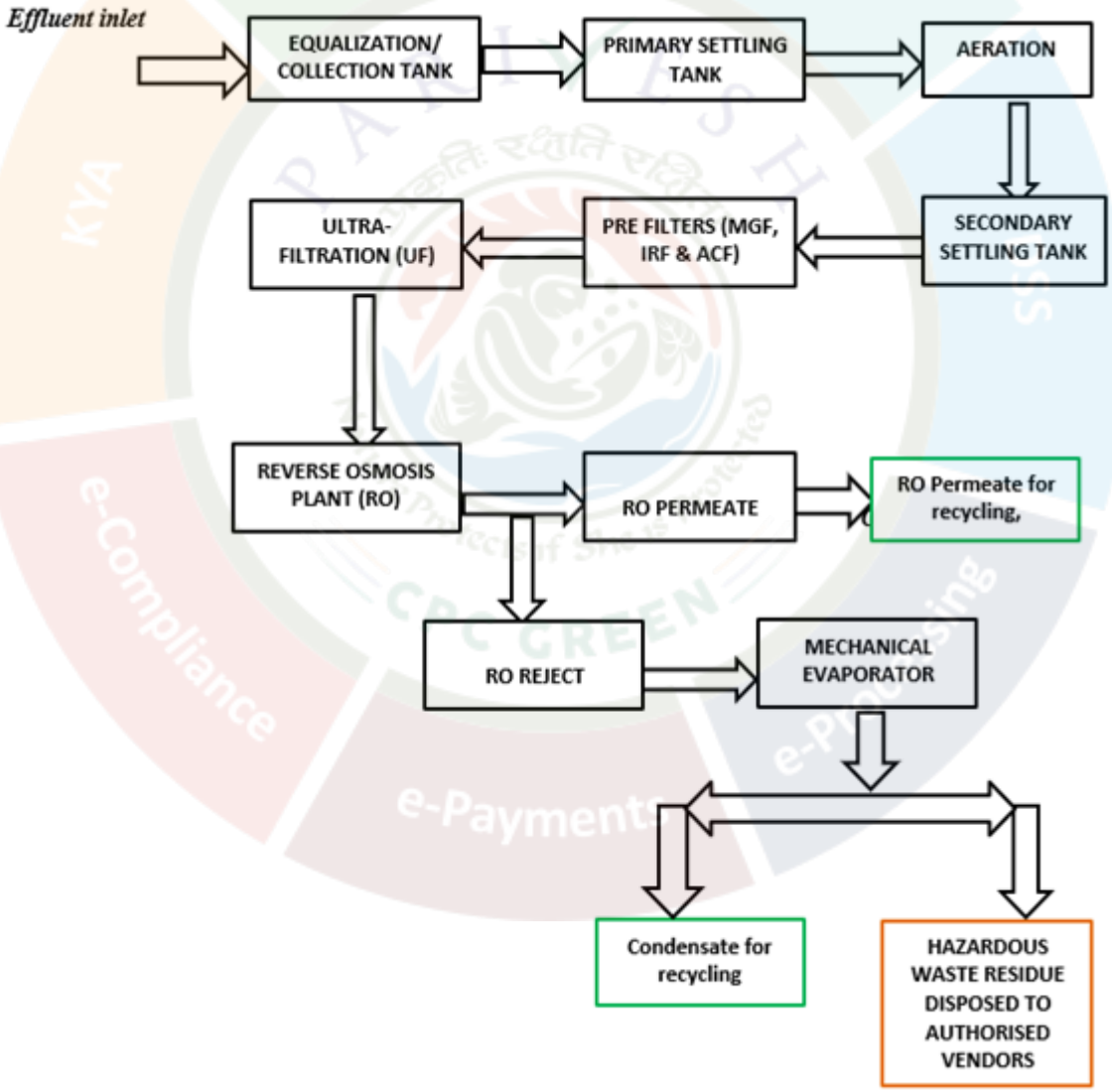
20.	List of Raw Material & Storage details (PI. Add on the list if necessary	**Raw Material/ Consumables**	**Proposed Consumption T/Annum**
		Orotic Acid	41.50
		DM Water	8310.98
		Ammonia	8.00
		Activated Carbon	24.08
		Magnesium Sulfate	84.00
		Leucine (Product)	12.00
		Tyrosine (Product)	6.00
		L-Cystine (Product)	48.00
		Cysteine Base (Product)	24.00
		Carbamazepine (Product)	6.00
		L-Tyrosine	13.80
		Sodium Hydroxide	1,260.02
		Acetic Anhydride	13.20
		Hydrochloric Acid	291.77
		Carbocisteine	16.20
		Lysine Base	27.00
		Methanol	4,401.77
		Urea	16.36
		Phosphoric Acid	1.15
		Methyl Aceto Acetate	70.69
		Nitric Acid	34.64
		Hydroxy phenyl propiophenone	0
		2-Hydroxy acetophenone	249.2
		Benzaldehyde	249.2
		Acetic acid	619.37
		Ethyl acetate	520.07
		Citric Acid	69.37
		Sodium bicarbonate	69.37
		Epichlorohydrin	684.84
		BTEAC	8.73
		Toluene	580.3
		N Propyl Alcohol +Ethanol	818.4
		Acetone	1129.61
		Sodium Chloride	35.14
		Arginine (Product)	6.00
		β- Alanine	22.02
		Potassium Hydroxide 50% solution	58.31
		4-Nitro benzoyl chloride	44.63
		Ethanol	1341.63
		Palladium carbon	0.84

		Hydrogen	8.0
		Sodium Nitrite	15.9
		Salicylic Acid	33.0
		L-Lysine monohydrochloride	77.34
		Diluted Sulfuric acid solution	371.25
		N-Acetyl Cysteine	120.00

21. Production details

S. No.	Description	Quantity (T/ Month)			
		EC Obtained	CTO Obtained for Product Mix	Proposed Expansion	EC Expansion Requested (After Expansion)
1.	Oratates	5.16	5.0	-	5.0
2.	Leucine	2.5	1.0	-	1.0
3.	Tyrosine	2.5	0.5	-	0.5
4.	L-Cystine	0.83	4.0	-	4.0
5.	Cysteine Base	1.66	2.0	-	2.0
6.	Carbamazepine	2.5	0.5	-	0.5
7.	N-Acetyl L-Tyrosine (NAT)	0.1	1.0	-	1.0
8.	Lysine Carbocisteine	2.5	3.0	-	3.0
9.	6-Methyl Uracil	2.0	2.5	-	2.5
10.	Propafenone	2.5	14.88	-	14.88
11.	Arginine	0.2	0.5	-	0.5
12.	Balsalazide Disodium	-	5.0	-	5.0
13.	Lysine Monohydrate	-	-	3.0	3.0
14.	N-Acetyl Cysteine (NAC)	2.5	-	10.0	10.0
15.	HBAH (Hydroxyphenyl Propiophenone)	-	-	8.33	8.33
16.	Atenolol	1.66	-	-	-
17.	Dipiperidino Dicholro Homopurine (DDH)	4.16	-	-	-
18.	BOC - 7	1.0	-	-	-
19.	Quetapine Fumarate	0.25	-	-	-
20.	Clopiddogrel H2SO4	1.0	-	-	-
21.	2 – Amino Methyl Indoline	0.1	-	-	-
22.	Olanzapine	0.25	-	-	-
23.	CDCA	3.0	-	-	-
24.	NAC	1.0	-	-	-
25.	Tioglitazaone	0.25	-	-	-

		26.	N – Acetyl Leucine	0.1	-	-	-
		Total Production Quantity		**36.88 T/M (442.56 TPA)**	**39.88 T/M (478.56 TPA)**	**21.33 T/M (255.96 TPA)**	**61.21 T/M (734.52 TPA)**
22.	Water consumption of effluent generation (all units in KLD)	86 KLD (Fresh water Requirement)					
23.	Quantity of Sewage generation (in KLD)	12.0 KLD					
24.	Details of Sewage Treatment and Disposal of treated Sewage	Disposal to MEPZ Common STP					
25.	Details of Effluent generation (Unit KLD)	76 KLD					
26.	Whether Zero liquid Discharge Effluent Treatment is proposed (Yes/No)	Yes					
27.	Brief Description of Effluent Treatment scheme						



28.	Qty. of treatment effluent proposed to be sent to CETP (pl. mention Name of CETP and its membership Details)	No

<table>
<tr><td>29.</td><td>Please mention parameters of treated effluent to be achieved as per EP Rule, 1986 and stipulated by the SPCB</td><td>
<table>
<tr><th>S.No</th><th>Parameters</th><th>Permissible Limits</th></tr>
<tr><td>1.</td><td>pH</td><td>5.5 to 9.0</td></tr>
<tr><td>2.</td><td>TSS</td><td>100 mg/l</td></tr>
<tr><td>3.</td><td>TDS</td><td>2100 mg/l</td></tr>
<tr><td>4.</td><td>Oil & Grease</td><td>10 mg/l</td></tr>
<tr><td>5.</td><td>BOD</td><td>30 mg/l</td></tr>
<tr><td>6.</td><td>COD</td><td>250 mg/l</td></tr>
<tr><td>7.</td><td>Chloride</td><td>1000 mg/l</td></tr>
<tr><td>8.</td><td>Sulphate</td><td>1000 mg/l</td></tr>
<tr><td>9.</td><td>Total Residual Chlorine</td><td>1 mg/l</td></tr>
<tr><td>10.</td><td>Ammoniacal Nitrogen</td><td>50 mg/l</td></tr>
<tr><td>11.</td><td>Total Nitrogen</td><td>100 mg/l</td></tr>
</table>
</td></tr>
<tr><td>30.</td><td>Brief note on proposed Rainwater harvesting scheme along with budget allocation</td><td>Rainwater Storing Capacity: 110 KL. The budget allocation for rain water harvesting system is 0.2 lakhs.</td></tr>
<tr><td>31.</td><td>Hazardous waste generation & Disposal (as per HW Rule 2016</td><td>
<table>
<tr><th rowspan="2">S. No.</th><th rowspan="2">Name of the Solid Waste</th><th colspan="2">Quantity (MT/Y)</th><th rowspan="2">Disposal Method</th></tr>
<tr><th>Existing</th><th>Proposed (After Expansion)</th></tr>
<tr><td>1.</td><td>5.1 Used/spent oil</td><td>1.0</td><td>2.0</td><td>Recover and Reuse-PCB Authorized recycler</td></tr>
<tr><td>2.</td><td>5.2 Wastes/ residue s containing oil</td><td>0.25</td><td>0.5</td><td>Energy recovery through Coprocessor/ Preprocessor</td></tr>
<tr><td>3.</td><td>20.3- Distillation residues</td><td>450.0</td><td>2100</td><td>Energy recovery through Coprocessor/ Preprocessor</td></tr>
<tr><td>4.</td><td>28.1 Process residues and wastes</td><td>-</td><td>120</td><td>Energy recovery through Coprocessor/ Preprocessor</td></tr>
<tr><td>5.</td><td>28.3- Spent</td><td>10.0</td><td>100</td><td>Energy recovery</td></tr>
</table>
</td></tr>
</table>

			carbon			through Coprocessor/ Preprocessor
		6.	28.4. Off-specification products	5.0	10.0	Energy recovery through Coprocessor/ Preprocessor
		7.	28.5 – Date expired products	-	5.0	Energy recovery through Coprocessor/ Preprocessor
		8.	28.6 - Spent solvents	250.0	500	Recover and Reuse- CPCB Authorized recycler s
		9.	28.6 - Spent solvents	-	7500	Recover and reuse – Captive utilisation
		10.	33.1- Empty barrels/ containers/liners contaminated with hazardous chemicals/ wastes	3.5	7.0	Coprocessor/ Preprocessor/ Recyclers
		11.	35.1- Exhaust Air or Gas cleaning residue	5.0	-	No Generation
		12.	35.3- Chemical sludge from waste water treatment	10.0	15.0	Energy recovery through Coprocessor/ Preprocessor
32.	Solid Waste management	The proposed solid waste generation after the expansion will consist of hazardous waste and non – hazardous waste. The non-hazardous waste will be sent to recyclers and the hazardous waste will be sent to Authorized Recycler, Coprocessors or Preprocessors for coprocessing.				
		S. No.	**Name of the Solid Waste**	**Quantity (MT/Y) Existing**	**Proposed (After Expansion)**	**Disposal Method**
		1.	Bio degradable waste	0.1	0.2	Sent to MEPZ Waste Collection facility
		2.	Non Bio degradable waste	0.2	4.0	
33.	Fuel Consumption	**S. No.**	**Boiler / DG set**	**Fuel consumption**	**Fuel type**	
		1	2 Ton Boiler	3 TPD	HSD	
		2	DG Set 1250 kVA – 1 No.	850 L/Hr	HSD	
34.	Brief note & Air pollution Control equipment's	**S. No**	**Source of Emission**	**Control Measures**	**Top dimensions**	**Height**	**Material of Construction**
35.	Stack details (Also include process vent details)	1.	2 Ton Boiler	Stack	0.5	30	MS

		2.	Process emissions	Wet Scrubber with stack	0.4	20	FRP
		3.	DG set 1250 KVA – 1 No.	Acoustic enclosure with Stack	0.2	9.5	MS
36.	Energy	The power requirement for the plant is about 1100 kVA and it is sourced from the TANGEDCO.					
37.	Details of use of renewable energy with budget allocation	Solar energy to an extent of 70,000 units/month is catered through 3rd party power purchase.					
38.	Detail of Public Hearing (if applicable)	Project is located in notified industrial estate i.e. MEPZ and therefore Public Hearing is exempted for our unit.					
39.	EMP (Please mention specific items proposed in EMP along with specific timeline for its implementation)	**S. No.**	**Description**		**Budgetary allocation (in Rs.) Capital Cost**		**Recurring Cost/Annum**
			Waste Water Management				
		1.	i. Provision of 75 KLD ETP		60 lacs (Existing)		352 lacs
			Solid waste management				
		2.	i. Hazardous Waste Management		-		165 lacs
			Environmental Monitoring				
		3.	i. Air Quality Monitoring ii. Boiler Stack monitoring iii. ETP Inlet & Outlet iv. Soil sample Analysis v. Noise Monitoring		-		2.2 lacs
			Rain water harvesting				
		4.	i. Rainwater Harvesting Sump		-		-
			ii. Rainwater Percolation pits		-		-
			iii. Maintenance Staffs		-		0.2 lacs
		5.	APC measures		Additionally, 25 lacs is proposed during the expansion		0.6 lacs
			Total Cost		**85 lacs**		**520 lacs**
40.	Other Relevant Information: (PI. provide brief note on proposed project	Proposed expansion is to manufacture Synthetic Organic Chemicals with total Production Capacity from 39.88 TPM to 61.21 TPM (478.56 TPA to 734.52 TPA) in the existing unit premises.					
41.	Details of skill development program with in organization	Total 100 Nos. of employees including existing project will be benefitted due to the proposed expansion project. Out of which direct employees will be 75 Nos. and indirect employees will be 25 Nos.					
42.	Details of environmental Monitoring cell (Pl. Provide organogram with	Plant Head EHS Head Environment and Water Manager					

<table>
<tr><td></td><td>educated qualification and experience)</td><td>Safety & Environment – Assistant Manager</td></tr>
<tr><td>43.</td><td>Details of court case if pending in any Hon’ble court</td><td>Nil</td></tr>
<tr><td>44.</td><td>Details of CER</td><td>As per MoEFCC OM F.No.22-65/2017-IA.III dated 1st May, 2018 industry will provide 1.0 % of the project cost i.e. 9.98 crores towards the Corporate Environmental Responsibility (CER) and has committed to spend Rs. 9.98 lakhs towards CER.
<table>
<tr><th>S.No.</th><th>Description</th><th>Beneficiary</th><th>Activity</th><th>Amount in lakhs</th></tr>
<tr><td>1.</td><td>Promoting Education</td><td>Govt Adi Dravida Welfare School, Tambaram</td><td>Providing Furniture’s and Smart Board for schools</td><td>4.0</td></tr>
<tr><td>2.</td><td>Health and Sanitation</td><td>Govt Hospital, Tambaram</td><td>Providing diagnostic equipment, infrastructure development and amenities development.</td><td>4.0</td></tr>
<tr><td>3.</td><td>Promoting Green energy</td><td>Govt Hospital, Tambaram,</td><td>Providing roof top solar panels to the hospitals</td><td>1.98</td></tr>
<tr><td></td><td></td><td>Total</td><td></td><td>9.98</td></tr>
</table></td></tr>
</table>

9.General Instructions:

(i)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 SEIAA website where it is displayed.

(ii)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 must display the same for 30 days from the date of receipt.

(iii)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.

(iv)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 operational 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.

(v)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.

The Regional Office of this SEIAA 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.

(vi)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.

10. This issue with an approval of the Competent Authority. For information on deliberations, refer to the minutes of SEAC and SEIAA available in the PARIVESH Portal.

Copy To

1. The Additional Chief Secretary to Government, Environment, Climate Change and Forests Department, Govt. of Tamil Nadu, Fort St. George, Chennai - 9.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan,
CBD Cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. The Chairman, Tamil Nadu Pollution Control Board,
76, Mount Salai, Guindy, Chennai-600 032.
4. The APCCF (C), Regional Office, Ministry of Environment & Forest (SZ),
34, HEPC Building, 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai - 34
5. Monitoring Cell, I A Division, Ministry of Environment & Forests,
Paryavaran Bhavan, CGO Complex, New Delhi - 110 003.
6. The District Collector, Chengalpattu District.
7. Stock File.

Annexure 1

Specific EC Conditions for (Synthetic Organic Chemicals Industry)

1. Seiaa Specific Conditions:

S. No	EC Conditions
1.1	i) The PP should strictly adhere to the management of sewage, effluent hazardous and non-hazardous waste as proposed. The PP shall ensure that workers have appropriate safety equipment, and the site also has safety protocols for handling hazardous chemicals and first-aid facilities. ii) The PP shall ensure that periodic safety audits are conducted to ensure compliance with workplace safety standards, including the safe handling and storage of chemicals. iii) The PP shall ensure that workers are trained in safety practices, including the handling of toxic or flammable substances in emergencies. iv) The PP shall ensure that the necessary licenses for manufacturing, handling, and storage of chemicals are obtained from regulatory bodies. v) The PP shall adopt strategies to reduce water consumption and improve water efficiency. vi) The PP shall ensure that fire alarms, fire extinguishers, and fire exit routes are in place, and that complete fire safety control measures are implemented. vii) The PP shall ensure the maintenance of records with respect to chemical purchases, production data, waste disposal, safety inspections, and employee training. viii) The PP shall ensure that an emergency response plan is followed to deal with chemical spills, leaks, and other industrial accidents. ix) The PP shall ensure the provision of essential welfare facilities for workers, such as clean drinking water, sanitation, and medical facilities. x) The PP is legally bound to compensate for any damages arising from workplace accidents, chemical spills, or Environmental damage. xi) As per the OM vide F. No. IA3-22/1/2022-IA-Ill [E- 172624] Dated: 14.06.2022, the Project Proponents are directed to submit the six-monthly compliance on the Environmental conditions prescribed in the prior Environmental clearance letter(s) through newly developed compliance module in the PARIVESH Portal from the respective login. A copy of the half yearly compliance report should be mailed to envcompseiaatn@gmail.com. xii) The plantation of saplings shall be carried out in the earmarked greenbelt area as a part of the tree plantation campaign “Ek Ped Ma Ke Naam” and the details of the same shall be uploaded in the MeriLiFE Portal (https://merilife.nic.in).

2. Seac Conditions - Site Specific

<table>
<tr><th>S. No</th><th>EC Conditions</th></tr>
<tr><td>2.1</td><td>
1. The project proponent shall provide ETP of capacity 75 KLD with ZLD system.
2. The proponent shall obtain and maintain valid safety licenses from the concerned department for boiler, solvent/fuel/raw material storage areas etc.
3. The PP shall ensure that the domestic sewage is disposed of in the MEPZ sewer line.
4. Spent solvents shall be recovered as for as possible and recovery shall not be less than 98 percent. Solvent vapours emitted during purification process from purification tanks as fugitive emissions shall be reduced as for as possible. All venting equipment shall have vapour recovery system.
5. As accepted by the Project Proponent the CER cost of Rs. 9.98 lakhs and the amount shall be spent for the following activities as committed within a period of 1 year from the date of issue of EC.
<table>
<tr><th>S.No.</th><th>Description</th><th>Beneficiary</th><th>Activity</th><th>Amount in lakhs</th></tr>
<tr><td>1.</td><td>Promoting Education</td><td>Govt Adi Dravida Welfare School, Tambaram</td><td>Providing Furniture’s and Smart Board for schools</td><td>4.0</td></tr>
<tr><td>2.</td><td>Health and Sanitation</td><td>Govt Hospital, Tambaram</td><td>Providing diagnostic equipment, infrastructure development and amenities development.</td><td>4.0</td></tr>
<tr><td>3.</td><td>Promoting Green energy</td><td>Govt Hospital, Tambaram,</td><td>Providing roof top solar panels to the hospital</td><td>1.98</td></tr>
<tr><td colspan="4">Total</td><td>9.98</td></tr>
</table>
6. Benzene shall not be used as solvent and no odours compounds/gas like mercaptans or hydrogen sulfide shall be used or formed in any of reactions at the site.
7. The PP shall ensure the utilization of spent carbon and chemical sludge for energy recovery through an Authorized Preprocessor/Coprocessor.
8. The proponent shall provide, operate and maintain adequate Air-pollution control measures for the process area.
9. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/ equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function, etc., test reports once in a year for all the workers shall be submitted to TNPCB.
13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
14. The PP to ensure that no chemical waste shall go beyond the plot boundary without obtaining permission from the competent Authority.
15. The PP shall ensure to provide adequate space for storage of Raw materials and other waste
</td></tr>
</table>

S. No	EC Conditions
	material so as to avoid any unforeseen incident during waste handling. 16. The proponent shall ensure that the area for boiler is earmarked, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO. **17.** Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. **18.** The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard. 19. Emergency preparedness plan including the evacuation modes based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. 20. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall adhere the EMP as committed.

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	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.

S. No	EC Conditions
1.7	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.
1.8	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 also be sent to the respective Integrated Regional Office of MoEF&CC by e-mail.
1.9	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.
1.10	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.
1.11	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.
1.12	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.

2. Specific Conditions

S. No	EC Conditions
2.1	Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

AFFIDAVIT

I, Sukumar M, Head Operations, representing M/s. Pharmazell India Private Limited, having a Registered office at Plot No.B5 & B6, Survey No. 164/1, Madras Export Processing Zone (MEPZ), Kadaperi village, Tambaram Taluk, Chengalpattu District, Tamil Nadu. We have Proposed Expansion of Synthetic Organic Chemicals Manufacturing Facility at Plot No. A1 & A2, Madras Export Processing Zone (MEPZ), Kadaperi Village, Tambaram Taluk, Chengalpattu District, Tamil Nadu. An application submitted by us seeking Environmental Clearance under the EIA Notification, 2006 is under scrutiny in the Authority. I am furnishing the following undertaking to the Authority.

- We assure that we are liable for the operation and maintenance of ETP, ZLD and APC systems continuously to meet the prescribed standards.
- We also assure that the storm water drain will not carry any untreated or treated sewage.
- We also assure that our project site does not encroach any water bodies such as rivers, canals, nallas, lakes, ponds, tanks, etc., from its original boundary.
- We assure that the Hazardous waste and E waste generated will be disposed to the Authorized Recycler/coprocessor/preprocessor.
- We assure to coordinate with Forest Department to maintain the green belt development by us in the nearby Pulikoradu Reserve Forest for the period of 3 years.
- We assure to maintain the existing rainwater harvesting system.
- We assure to source around 30% of the overall power consumption through third party solar power purchase.
- We assure that the following CER activities will be completed as per the action plan submitted.

S.No	CER Type	Beneficiary	Activity	Amount in lakhs
1	Promoting Education	Tambaram Corporation High School	Replacement of Plastic bottles with SS bottles for all students, providing Furniture's and Smart Board for schools	2.5
2		Govt High School Chitlapakkam	Replacement of Plastic bottles with SS bottles for all students,	2.5

			providing Furniture's and Smart Board for schools	
3		Government School, Selaiyur	Replacement of Plastic bottles with SS bottles for all students and providing Water filter for schools	2.5
4		Govt Adi Dravida Welfare, Tambaram	Replacement of Plastic bottles with SS bottles for all students and providing Water filter for schools	2.48
Total				**9.98**

The cost of Rs. 9.98 Lakhs towards CER activities will be spent before applying CTO from TNPCB.

As the Authorized Signatory of the Project, I am aware of the penal provisions contained in Sections 15 and 16 of the Environment (Protection) Act, 1986, and also the fact that I can be proceeded against under the Act, if the above affirmation is proved as incorrect / wrong at a later date and punished with imprisonment or fine or both.

(A) Statutory compliance

i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.

ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)

iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water

(Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.

v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.

vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989

(B) Air quality monitoring and preservation:

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.

iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10and PM25 in reference to PM emission, and SO2and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.

iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.

v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.

vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

(C) Water quality monitoring and preservation:

i. The project proponent shall provide 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 (applicable in case of the projects achieving ZLD)

ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).

iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.

iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.

v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.

vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.

vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

(D) Noise monitoring and prevention:

i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.

ii. 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.

iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time

(E) Safety, Public hearing and Human health issues:

i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.

iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

v. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

vii. 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

(F) Corporate Environment Responsibility:

i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1stMay 2018, as applicable, regarding Corporate Environment Responsibility.

ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for

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. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.

iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other 5 purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

(G) Waste management:

i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.

ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.

iii. The company 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 vapour recovery system.

f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

Air Environment

1. Stack emission levels should be stringent than the existing standards in terms of the identified critical pollutants.
2. CEMS may be installed in all large/medium red category industries (air polluting) and connected to SPCB and CPCB server.
3. Effective fugitive emission control measures should be imposed in the process, transportation, packing etc.
4. Transportation of materials by rail/ conveyor belt, wherever feasible.
5. Encourage use of cleaner fuels (pet coke/ furnace oil/ LSHS may be avoided).
6. 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.
7. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever feasible.
8. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.
9. Assessment of carrying capacity of transportation load on roads inside the industrial premises.

Water Environment

1. Reuse/recycle of treated wastewater, wherever feasible.
2. Continuous monitoring of effluent quality/quantity in large and medium Red Category Industries (water polluting).
3. A detailed water harvesting plan may be submitted by the project proponent
4. Zero liquid discharge wherever techno - economically feasible.

Land Environment

1. Increase of green belt cover by 40% of the total land area beyond the permissible requirement of 33%, wherever, feasible for new projects.
2. Stipulation of greenbelt outside the project premises such as avenue plantation, plantation in vacant areas, social forestry, etc.
3. Dumping of waste (fly ash, slag, red mud, etc.) may be permitted only at designated locations approved by SPCBs/ PCCs.

4. More stringent norms for management of hazardous waste. The waste generated should be preferably utilized in co processing.
5. Monitoring of compliance of EC conditions may be submitted with third party audit every year.
6. 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.

(H) SPECIFIC CONDITIONS:

1. It is mandatory for the project proponent to furnish to the SEIAA, Half yearly compliance report in hard and soft copies on 1st June and 1st December of each calendar year in respect of the conditions stipulated in the prior Environmental clearance issued.
2. "Consent for Establishment" shall be obtained from Tamil Nadu Pollution Control Board and a copy of the same shall be furnished to the SEIAA, Tamil Nadu before start of project construction activity at the site.
3. "Consent to Operate" should be obtained from the Tamil Nadu pollution Control Board before the start of the operation of the project and copy shall be submitted to the SEIAA-TN.
4. The implementation of Environmental Management Plan in regard to treatment and disposal of sewage & Effluent, Solid waste Management, Hazardous - Waste Management, and CSR Activities should be carried out, as proposed and committed. Regular monitoring should be carried out during operation phases.
5. The residue collected from the evaporator shall be documented by maintaining proper register and it should be made available at the time of inspection.
6. Adequate dust extraction system such as Ducting with dust extracting arrangement wherever required shall be established to achieve Occupational –health standards and ambient air quality standards.
7. The proponent shall carryout best housekeeping practices as spillage management for handling and maintenance of raw materials and products inside the unit premises.
8. Nature of chemicals Handled, the Do and Don'ts shall be displayed at all vital locations as laid down in MSDS.
9. The proponent shall ensure that the quantity of Hazardous Waste handed over to the TSDF shall match with the quantity generated.
10. The proponent shall provide a separate closed area earmarked for storing solid waste including Hazardous Waste as proposed.

11. The proponent shall dispose Hazardous Waste generated as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from D.G sets should be stored in HDPE drums in an isolated covered facility and disposed off through TNPCB registered recyclers.
12. The Plastic wastes shall be segregated and disposed as per the provisions of Plastic Waste (Management & Handling) Rules 2016.
13. The e - waste generated should be collected and disposed to a nearby authorized e-waste centre as per e waste (Management & Handling), Rules 2016 as amended.
14. The Municipal solid waste generated shall be collected, segregated and disposed as per Solid Waste Management Rules, 2016.
15. The industry shall conduct air sampling at least once in six months for the general core parameters (PM_{10}, $PM_{2.5}$, SO_x, NO_X) through TNPCB/NABL Accredited Laboratory and maintain records of the same and it should be made available at the time of inspection.
16. Regular monitoring on the air quality, water quality and noise on the selected locations in and around the project site as mentioned in the EMP report for creating base line data shall be continued and records shall be maintained.
17. A separate environment and safety management cell with qualified staff shall be set up before establishment of the facility and shall be retained throughout the lifetime of the industry, for implementation of the stipulated environmental safeguards.
18. The Green belt area already developed within the project area shall be properly maintained.
19. The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.
20. The industry shall promote tree plantation to neutralize their carbon foot print. The industry shall engage regularly in afforestation programme.
21. The proponent shall ensure effective risk management strategy regarding confined space management to avoid risk while handling raw materials, products in the process area and storage.
22. The energy sources for lighting purposes shall preferably be LED based.
23. The industry shall conduct air sampling at least twice in a week (104 times in a year), as stipulated under EP Act 1986.

24. Risk cum disaster management plan should be in placed in the industry premises at all time.
25. Water conservation scheme including rain water harvesting measures to augment ground water resources shall be implemented so as to collect and reuse the entire rainwater harvested as a supplement to fresh water.
26. The natural drainage pattern in the project area shall be maintained and storm water drain along the boundary and appropriate places shall be provided considering the Catchment area and maximum intensity of rainfall to collect runoff water/rain water for proper disposal to avoid flooding around the premises.
27. The Environmental Clearance is issued without prejudice to any order that may be passed by the Hon'ble NGT/ Honb'le High Court of Madras.
28. All the assurances given in EIA and EMP shall be adhered strictly.
29. Detail study shall be carried out by engaging accredited agencies / reputed institutions for Risk management and detailed Disaster management plan prepared for compliance.
30. Sufficient funds should be provided for Disaster management.
31. The Project Proponent shall provide disinfection by UV system for the sewage treatment plant for treating the sewage before applying on land for gardening.
32. The project proponent shall provide sufficient ventilation (air circulation) in the hazardous waste storage yard where the hazardous waste like spent carbon, Chemical sludge, used or spent oil are being kept.
33. The Project Proponent shall carry out safety audit in the different operating zones of the plant at least once in a year and the same shall be considered as base for reviewing the unsafe conditions during the plant safety meeting.
34. The Project Proponent shall prepare a code of practice for safe operation for educating the safety standards to the work force deployed in the plant through appropriate training by the concerned experts.
35. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
36. The Activity of the industry should not impact on agricultural, irrigation system and mangroves surrounding the area.

37. The EMP cost and operation and maintenance cost shall be deposited in a nationalized bank by opening separate account and the head wise expenses statement shall be submitted to TNPCB with a copy to SEIAA annually.
38. There should be no threat to Bio diversity due to the operation of the industry.
39. The flora & fauna present in and around the project site should be get affected due to the activity as reported.
40. The Project Proponent has to provide rain water harvesting collection tank capacity with Recharging pit in order to recover and reuse the rain water during normal rains.
41. The operation of the activity should not impact on the soil, micro flora & Fauna present in and around the project site.
42. The project proponent shall carry out risk assessment process for all the operations involved in the plant and a suitable risk management plan showing the contours of sensitive zones should be prepared.
43. The project proponent shall take up better housekeeping measures including scraps disposal and up keeping the machineries, pipes, etc.
44. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.

(I) GENERAL CONDITIONS: -

1. This Environmental Clearance shall not be cited to relax any other rules applicable to this project.
2. **The Project Proponent should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the Environmental Clearance informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with TNPCB.**
3. **A copy of the Environmental Clearance shall be sent by the project proponent to concerned local body and local NGO, if any from whom suggestions/representatives, if any were received while processing the proposal.**
4. The project proponent shall monitor the criteria pollutants level namely; PM_{10}, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
5. The Environmental Clearance shall also be put on the website of the company.

6. No expansion or modernization in the project shall be carried out without prior approval of the SEIAA-TN. In case of any deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the SEIAA-TN to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
7. All the environmental protection measures and safeguards as recommended in the EIA report shall be complied with.
8. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9. The implementation of the project vis-à-vis environmental action plans shall be monitored by the Regional office of MoEF& CC at Chennai, TNPCB and CPCB. A six monthly compliance status report shall be submitted to monitoring agencies regularly.
10. Data on ambient air, stack and fugitive emissions shall be regularly submitted online to the Regional office of MoEF & CC, GOI, at Chennai, TNPCB and Central Pollution Control Board as well as hard copy once in six months and display data on RSPM, SO_2 and NOx outside the premises at the appropriate place for the general public.
11. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
12. Proper house-keeping and cleanliness must be maintained within and outside the plant.
13. Occupational health surveillance programme shall be undertaken as regular exercise for all the employees, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health centre shall be strengthened and the medical records of each employee should be maintained separately.
14. The overall noise levels in and around the plant area shall be kept well within the standards prescribed for by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).
15. A separate Environmental Management Cell equipped with full fledged laboratory facilities to carry out the various Environmental Management and Monitoring functions shall be set up under the control of a Senior Executive.

16. The requisite amount earmarked towards capital cost and recurring cost/annum for implementing pollution control measures shall be used judiciously to implement the Environment Management Plan as furnished in the EIA report. The funds so provided shall not be diverted for any other purposes.
17. The project proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF & CC, GOI at Chennai, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sector parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
18. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Offices of the MOEF by e-mail.
19. Environmental Clearance is being issued without prejudice to the action initiated under Environment (Protection) Act, 1986 or any court case pending or any other court order shall prevail.
20. The SEIAA, TN may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
21. The SEIAA/SEAC or any Competent Authority may suitably add any further condition(s) on receiving reports from the project authority. The above condition shall be monitored by the Regional Office of MoEF located at Chennai.
22. The SEIAA, TN may revoke or suspend the Environmental clearance, if implementation of any of the above conditions is not satisfactory.
23. The SEIAA, TN may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, if, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
24. Failure to comply with any of the conditions mentioned above may result in withdrawal

of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

25. The SEIAA-TN reserves the right to stipulate additional conditions if found necessary. The industry in a time bound manner shall implement these conditions.
26. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments ,draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957,National Commission for protection of Child Right Rules,2006 and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/Hon'ble High Court of Madras and any other Courts of Law relating to the subject matter.
27. Any appeal against this environmental clearance shall lie with the Hon'ble National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Signature Not Verified

Digitally Signed by : A R Rahul Nadh IAS
Member Secretary, SEIAA

Date: 26/04/2025