

Letter No. Letter . APL - VI / Envi. 27 / 2024

Date: 28/05/2024

To,
Sub Regional office Tarapur -I
MIDC Office compound, Tarapur,
Boisar (W) Tal & Dist. Palghar
401504

Sub: Regarding the Half-Yearly EC Condition compliance report for the period of Oct - 2023 to Mar -2024.

Ref: Environmental clearance granted vides Clearance No. SEIAA -EC - 0000000258 dated 26.04.2018.

Respected Sir,

In reference to the above mentioned subject, we are enclosing herewith the EC condition compliance Report for the period of April-2023 to September -2023 in respect to the above mentioned reference of Environment clearance for proposed expansion of industrial project at plot No. D 18 MIDC, Tarapur, Dist- Palghar. SEAC-I considered the project under screening category 5(f)-B of EIA Notification 2006.

Yours faithfully

For, Aarti Pharmalabs Limited

Authorized Signatory
(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)



Encl.

1. EC conditions compliance Report.
2. Copy of Environment Clearance
3. Copy of Consent to Operate

CC to:

1. Regional office (WCZ) Ministry of Environment, Forest and Climate Change, Nagpur-440001
2. The Member Secretary, Maharashtra Pollution Control Board , Sion, Mumbai .
3. Regional officer, Maharashtra Pollution Control Board, Thane.

Adi
28/05/24
SUB REGIONAL OFFICE
M. P. C. BOARD
M.I.D.C. COLONY COMPOUND
TARAPUR - 401 504
TAL & DIST.- PALGHAR

AARTI PHARMALABS LIMITED

www.aartipharmalabs.com | CIN : U24100GJ2019PLC110964 | Email : info@aartipharmalabs.com

Factory : Unit - VI, Plot No. D - 18, M.I.D.C., Tarapur, Taluka & District - Palghar, PIN 401 506, Maharashtra, INDIA, T : +91 81490 65128 / 84460 05129
Admin Office : 204, Udyog Kshetra, 2nd Floor, Mulund - Goregaon Link Road, Mulund (W), Mumbai, PIN - 400 080, Maharashtra, INDIA, T : +91 22 67976666 | F : +91 22 25653234
Regd. Office : Plot No. 22-C/1 & 22-C/2, 1st Phase, G.I.D.C., Vapi 396 195, District - Valsad, Gujarat, INDIA T : +91 260 2400467, +91 99099 94655

**M/s. Aarti Pharmed Labs Ltd. (Unit - VI),
Plot no.D 18 MIDC Tarapur.**

Compliance Report of Environmental Clearance File No.SEIAA-EC-0000000258

Report for period of October 2023 To March 2023

Sr. No.	Specific Conditions:	
I	The PP shall submit a detailed DMP with budget	Complied
Sr. No.	General Conditions:	Remark
I	PP to achieve Zero Liquid Discharge ; PP shall ensure that there is an increase in the effluent load to CETP.	The unit had become the Zero liquid discharge unit since 2017. The average daily generation of industrial effluent for the monitoring, water recycles, Being a ZLD unit, no effluent is sent to CETP for disconnection of drainage connection issued by MIDC.
II	The 73 TPH boiler should have a stack height of 68 m and flue gasses shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	Typing error instead of 6 TPH it was typed as 73, & Stack height should be 34 Meter
III	No additional land shall be used/ acquired for any activity of the project without obtaining proper permission.	Followed it.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Required PEE like helmet, hand gloves, masks, ear plug, goggles, safety shoes, safety suits are provided to all workers and employees.
V	Proper Housekeeping programmers shall be implemented.	Industries are maintained with good housekeeping and System for segregation of Biodegradable and No biodegradable in separate bins and safe Disposal.

VI	In the event of the failure of any pollution control system adopted by the unit. the unit shall immediately stop the operation and shall not restarted the unit the desired efficiency has been achieved.	Industries are a provided arrangement Alarm system is provided to the scrubbers to identify the failure of scrubber blower and pump in order.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutants from DG set .	The unit has DG and is used as stand-by systems. The emission from DG is dispersed through the stack as per CPCB standards. Acoustic enclosures have been provided for the existing DG sets to mitigate the noise pollution. Stacks height provided are as follows. DG Set - 09 meters And online connected with MPCB and CPCB.
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water .	We installed a 10 kl tank for the rain water harvesting facility and water used in the cooling tower.
IX	Arrangement shall be made that effluent and storm water does not get mixed.	Industries are a provided arrangement of separate storm pits and pumps.
X	Periodic monitoring of the ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board .	Industries are check ground water and analyzed last groundwater check on 19/10/2020
XI	Noise level shall be maintained as per standards. For people working in the high noise area requisite personal protective equipment like earplugs etc. shall be provided.	Required PEE, like ear plugs, is provided to all workers and employees.

XII	The overall noise level in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods,silencer,enclosure,etc.on the sources of noise generation.The Ambient noise shall conform to the standards prescribed under Environment (Protection) Act 1986 Rule 1989 .	The unit has been adequate as per MPCB Standard Noise level check regularly quarterly basis from MoEF Lab & in house. Ear plugs are provided to workers and Acoustic enclosures have been provided for DG set.
XIII	Green belt shall be developed and maintained around plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultants with the local DFO/Agriculture Department .	Company has planted the trees e.g. Ashoka tree, gulmohar tree, palm tree , parizatak tree etc.
XIV	Adequate safety measures shall be provided to limit the risk zone within plant boundary incase of any accident . Leak detection devices shall also be installed at strategic places for early detection and warning .	Industries have identified risk zones and installed sensors at Ammonia, MMA Tank, Hydrocarbon and provided alarm systems.
XV	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per Factories Act.	Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Last medical checkup was done on 30 November 2023.
XVI	The company shall make the arrangement for protection of possible fire hazards during the manufacturing process in material handling.	The unit has provided a fire hydrant system within premises with water storage capacity of 400 m3.

XVII	The project authorities must comply with the rules and regulation with regards to handling and disposal of hazardous waste in accordance with the hazardous waste (Management and Handling Rule, 2003 (Amended). Authorization from the MPCB shall be obtained for collection/treatment /storage/disposal of Hazardous wastes.	The unit has obtained the permission from the MPCB CCA No. Issued on 19.04.2022 valid till 31.12.2024 for collection, storage and disposal of hazardous waste. The solid waste, Incinerable waste is disposed of to CHD-TSDF Taloja and is disposed of by co-processing. Our CHD TSDF membership No.MWML-HzR-TAR- 3502.
XVIII	Regular mock drills for the on site emergency management plan shall be carried out . Implementation of changes/ improvement required , if any in on site management plan shall be ensured.	Industries have conducted regular basis mock drills, Last Mock drills done on 21 December 2023.
XIX	A separate environment management cell with qualified staff be set up for implementation of the stipulated environmental safeguards.	Environment Cell / Committee will meet every quarter and will assess / suggest the Improvement on the environment as well as legal conditions of environment and will review the implementation.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department	Industries have installed Online stack monitoring instruments The criteria pollutant levels displayed near the main gate of the company are in the public domain.

XXI	<p>The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at https://ec.maharashtra.gov.</p>	<p>Environmental clearance and copies of clearance letters are available with the Maharashtra Pollution Control Board and may also be seen at the Website at https://ec.maharashtra.gov.</p>
XXII	<p>Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.</p>	<p>Half yearly compliance reports Submitted regular basis, last report submit on 22/11/2023</p>
XXIII	<p>A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.</p>	<p>Noted & Agreed.</p>

XXIV	<p>The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Environmental Monitoring is carried out quarterly in a MoEF approved laboratory. The criteria pollutant levels displayed near the main gate of the company are in the public domain.</p>
XXV	<p>The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.</p>	<p>Half yearly compliance reports Submitted regular basis, last report submit on 22/11/2023</p>
XXVI	<p>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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by email.</p>	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by Pollution Control Board as prescribed under the Environment last environment statement submitted on 17/06/2023</p>



Shri. Santosh N. Mule

Industry Representative

(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)



**M/s. Aarti Pharamalabs Limited. (Unit - VI), Plot no.D 18 MIDC Tarapur
EC Compliance Report period of April 2023 - September 2023
Environmental Clearance File No.SEIAA-EC-0000000258**

Sr. No.	EC General condition Details		Compliance Status										Remarks	
	Name of the Project	Type of Institution	Proposed Expansion of Synthetic organic chemicals manufacturing unit	Private	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	Actual Production Quantity in M.T.			
1	Name of Project Proponent	M/s. Aarti Pharamalabs Limited (Unit - VI)	Expansion in the existing project () Plot No. D - 18 ,, MIDC Tarapur Palghar Boisar Tarapur MIDC MIDC plot Approval Approved Built Up Area : 8323 MIDC plot plan Approval 20,000 sq.m.	Aditya Environmental Services pvt ltd	5196	4680	4756	1274	1239	1617	4626	4911	5388	Noted and Agreed.
	Name of Consultant													
	New project Expansion in existing project / Modernazation /Diversification in existing project													
	Location details of the project:													
	Taluka:													
	Village:													
	Are of the project:													
	IOD/IOA/Concession /Plan Approval Number													
	LOI/NOC/IOD from MHADA/Other approvals													
	Total plot area (sq.m.)													
2	Production Details													
	Consent Limit													
	Sulphuric Acid/Oleum25%/Oleum65%/Liquid SO3 (Sulphuric anhydride)	6000 MT/M	5196	4680	4756	1274	1239	1617	4626	4911	5388			
	Dimethyl Sulphate (DMS)	2500 MT/M	1274	1239	1617	1274	1239	1617	1274	1735	1559			
	Diethyl Sulphate (DES)	700 MT/M	335	164	184	324	164	184	324	393	449			
	Diemethyl Urea (DMU)	600 MT/M	170	228	333	226	228	333	226	263	320			
	Monomethyl Urea(MMU)	100 MT/M	0	0	0	0	0	0	0	0	0			
	Sodium Veryl Sulphonate (SVS)	300 MT/M	44	20	34	29	20	34	29	57	33			
	Cyano Acetic Acid (CAA)	250 MT/M	0	0	0	0	0	0	0	0	0			
	Cyano Acetyl Methyl Urea (CAMU)	50 MT/M	0	0	0	0	0	0	0	0	0			
	Nitrosourasil	300 MT/M	0	0	0	0	0	0	0	0	0			
	Di Methyl Aniline	518 MT/M	0	0	0	0	0	0	0	0	0			
Captive Power Plant	500 MT/M	0	0	0	0	0	0	0	0	0				
Total Water Requirement:	38502 m3/month	12650	10920	11020	10380	11231	12650							

Complied :
Production Quantities are within the EC limit

7	Effluent Characteristics	Acetic Acid 95% (28.1)	138 MT/M	0.000	0.000	0.000	0.000	0.000	0.000	Complied. As per compliance of ZLD flow meters and camera available and online monitored with MPCB and CPCB. Effluent quality monitoring is done quarterly by MoEF approved laboratory (GREEN ENVIROSAFE Engineers & Consultant Pvt. Ltd., Pune). The unit had become the Zero liquid discharge unit since 2018. Being a ZLD unit, no effluent is sent to CETP for disconnection of drainage connection issued by MIDC.	
		Acetic Acid 35% (28.1)	64 MT/M	0.000	0.000	0.000	0.000	0.000	0.000		
		Parameters	Consent Limit	Unit	October 2023	January 2024					
		pH	5.5-9.0	---	7.23	7.21					
		Total Suspended Solids	<_100	mg/l	54	53					
		Total Dissolves Solids	<_2100	mg/l	1564	1621					
		COD	<_250	mg/l	180	182					
		BOD	<_100	mg/l	62	74					
		Chlorides	<_500	mg/l	58	52					
		Sulphates as SO4	<_1000	mg/l	58.92	86					
Oil & Grease	<_10	mg/l	BDL	BDL							
8	Occupational health surveillance	Occupational health surveillance of the workers is carried out on half yearly basis and records are maintained as per the factory act. Last medical checkup has been done in Following check up has been carried in periodical medical checkup. - General checkup (height, weight, pulse, BP etc) -Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count etc) - Urine test (physical, chemical and microbial examination etc) - Vision test - Pulmonary function test, etc.									
		Details of health surveillance of the workers is given below:									
		Date of surveillance			Total number of employees						
		30/11/2023			312 Nos						
Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory. Details are given below:											

Stack Emission Details.

Sr. No.	Stack Details	Parameter	Stack height(m)	MPCB Standard	October 2023	January 2024
1	DG Set 500 KVA	SO ₂	4	50 mg/Nm ³	46.31	49.86
		TPM		150 mg/Nm ³	59.37	52.64
		NO _x		50 mg/Nm ³	8.37	11.65
2	Scrubber Process Reactor ACID	TPM	45	150 mg/Nm ³	BDL	BDL
		SO ₂		50 mg/Nm ³	26.81	21.47
		NO _x		50 mg/Nm ³	BDL	BDL
		Acid mist		90 mg/Nm ³	3.46	4.12
3	Boiler (6 Ton /hr.)	TPM	34	150 mg/Nm ³	72.58	63.41
		SO ₂		600 mg/Nm ³	59.57	53.87
		NO _x		50 mg/Nm ³	6.97	7.33
4	Stack Thermo Pac (4 Lac KcalHr)	TPM	22	150 mg/Nm ³	52.31	65.91
		SO ₂		50 mg/Nm ³	38.57	36.51
		NO _x		50 mg/Nm ³	3.26	3.61
5	Stack DMS plant (so ₂ Scrubber)	TPM	9	150 mg/Nm ³	BDL	BDL
		SO ₂		50 mg/Nm ³	21.89	19.64
		NO _x		50 mg/Nm ³	BDL	BDL
6	Stack DES plant (so ₂ Scrubber)	TPM	9	150 mg/Nm ³	BDL	BDL
		SO ₂		50 mg/Nm ³	26.53	24.51
		NO _x		50 mg/Nm ³	BDL	BDL
7	Stack DMU Plant (NH ₃ Scrubber)	TPM	12	150 mg/Nm ³	BDL	BDL
		SO ₂		50 mg/Nm ³	31.86	34.15
		NO _x		50 mg/Nm ³	BDL	BDL
8	Ammonium Sulphate	TPM	12	150 mg/Nm ³	8.36	10.37
		SO ₂		50 mg/Nm ³	6.58	7.53
		NO _x		50 mg/Nm ³	BDL	BDL
9	Sodium Vinayl Sulphonate	TPM	9	150 mg/Nm ³	BDL	BDL
		SO ₂		50 mg/Nm ³	26.53	24.51
		NO _x		50 mg/Nm ³	0.059	0.176

Complied .
Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB.

Ambient Air quality monitoring is carried out at one location each situated in upwind and downwind direction quarterly by MoEF approved laboratory. Analysis report for Ambient Air is attached as Annexure

12	Noise Monitoring	4	In DMU Plant	SO2	<_5000	15.62	10.98		
				NOx	<_6000	BDL	BDL		
				Ammonia	<_25	2.67	2.04		
13	Noise Monitoring	In built Acoustic enclosure, and insulation are provided on all source of noise generation to keep overall noise level within the stipulated standards like DG set. Noise levels monitoring is done every quarterly by MoEF approved laboratory. Noise Monitoring reports are given	Area	Minimum value	MPCB Standard Limit	Mean value	MPCB Standard Limit		
				Day Time dB(A)					
				October 2023				January 2024	
				Sr.No.					
				1	Near Main Gate	65.2	75	56	75
				2	Near ETP Area	71.5	75	72.8	75
				3	Near Boiler House	72.1	75	69.6	75
				4	Production Hall	71.8	75	70.2	75
				5	Near D.G. Set	70.8	75	68.3	75
				Night Time dB(A)					
				1	Near Main Gate	52.7	70	42.8	70
				2	Near ETP Area	68.4	70	68	70
				3	Near Boiler House	63.3	70	64.3	70
				4	Production Hall	68.4	70	60.9	70
				5	Near D.G. Set	62.9	70	52.4	70
13	Fuel Consumption :-	Limit KG/M	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	
			864000	29252	56020	150961	157515	164353	149172
			15120	9263	8966	10556	9120	10288	9984
			15120	0	0	1	0	0.22	0.17
			Coal	Furnace Oil	Deisel (HSD)	As per Consumption register book it is under limit			
14	Energy :- Source of Power supply	Power requirement	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	
			947820	844980	791220	814740	677850	717600	
			21470	63700	109710	76130	216890	234080	
Air pollution from boiler TFH			Dust collector ,bag filter and Process scrubber						
			Dust collector ,bag filter, scrubber						

The unit has been adequate as per MPCB Standard Noise level check regularly quarterly basis from MoEF Lab & in house . Ear plugs are provided to workers and Acoustic enclosures have been provided for DG set.

Complied .
As per Consumption register book it is under limit

Complied .
As per Power Consumption Unit or MECB Bill

Complied.
Dust collector ,bag filter, scrubber

15	<p>Details of pollution control system:- Source</p>	<p>Water pollution from process and utilities</p> <p>Noise pollution</p> <p>Solid Waste</p>	<p>ETP Plant ,RO unit and MEE unit</p> <p>Enclosure / PPE</p> <p>Disposed to CHWTSDF / Recycle (MWML) & Authorized Co-processor</p>	<p>The unit had become the Zero liquid discharge unit since 2017. The average daily generation of industrial effluent for the monitoring, water recycle, Being a ZLD unit, Unit has installed ETP Plant, RO unit and MEE unit.</p> <p>Complied.</p> <p>Acoustic enclosures have been provided for the DG sets to mitigate the noise pollution and ear plug provided to workers.</p> <p>Complied.</p> <p>Hazardous waste Disposed to CHWTSDF / Recycle, Hazardous waste Membership Available. Membership No. MWML - HZW-TAR- 3502</p>
16	<p>Storage of Chemicals (inflammable/explosive/hazardous/toxic substance)</p>	<p>Hazardous chemicals shall be stored in tanks, farms, drums, carboys etc. Flame arresters shall be provided on tank farms. Solvent transfer shall be by pumps.</p>	<p>All Hazardous chemicals have been stored in the tanks with breather valves and flame arrester and materials transferred through sealed pumps.</p>	<p>Complied.</p>



(Handwritten signature)

Shri. Santosh N. Mule
Industry Representative
(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Environment department,
Room No. 217, 2nd floor,
Mantralaya, Annexe,
Mumbai- 400 032.
Date: April 26, 2018

To,
Aarti Industries Limited - (SPACK Division)
at Plot No. D-18 MIDC Tarapur, Palghar

Subject: Environment Clearance for Proposed Expansion of Synthetic organic chemicals manufacturing unit by Aarti Industries Limited - (SPACK Division) at Plot No. D-18 MIDC Tarapur, Palghar

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 126th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category 5(f)- B as per EIA Notification 2006.

Brief Information of the project submitted by you is as below :-

1.Name of Project	Proposed Expansion of Synthetic organic chemicals manufacturing unit by Aarti Industries Limited - (SPACK Division) at Plot No. D-18 MIDC Tarapur, Palghar
2.Type of institution	Private
3.Name of Project Proponent	Aarti Industries Limited - (SPACK Division)
4.Name of Consultant	Aditya Environmental Services pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. D-18 MIDC Tarapur, Palghar
9.Taluka	Palghar
10.Village	Boisar
11.Area of the project	Tarapur MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval Approved Built-up Area: 8323
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	20,000 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable

SEIAA Meeting No: 126 Meeting Date: April 19, 2018 (SEIAA-STATEMENT-000000252)
SEIAA-MINUTES-0000000371
SEIAA-EC-0000000258

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Shri Satish.M.Gavai (Member Secretary SEIAA)

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	300000000



Government of Maharashtra

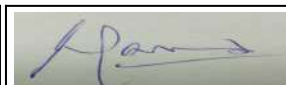
Shri Satish.M.Gavai (Member Secretary SEIAA)

22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sulphuric acid/ Oleum 25%/ Oleum 65%/ Liquid SO3 (Sulphuric anhydride)	4050	1950	6000
2	Dimethyl sulphate (DMS)	500	1500	2000
3	Diethyl sulphate (DES)	300	900	1200
4	Dimethyl Urea (DMU)	140	460	600
5	Monomethyl urea (MMU)	0	100	100
6	Sodium vinyl sulphonate	0	300	300
7	Cyano acetic Acid (CAA)	0	500	500
8	Cyano Acetyl Methyl Urea (CAMU)	0	300	300
9	Nitrosouracil/ Uracil	0	300	300
10	Dimethyl Aniline	18	0	18
11	Captive Power	500 KW	--	500 KW
12	Spent acid (from DMS) [BY-product]	30	15	45
13	Spent acid (from DES) [BY-product]	300	1760	2060
14	20% Liquor Ammonia [BY-product]	300	1005	1305
15	Ammonium sulphate [BY-product]	0	2550	2550
16	Sodium sulphate [BY-product]	0	110	110
17	95% Acetic Acid [BY-product]	0	318	318
18	35% Acetic Acid [BY-product]	0	111	111

23. Total Water Requirement

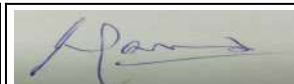
Dry season:	Source of water	MIDC
	Fresh water (CMD):	771 cmd
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	1281 cmd
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--



Wet season:	Source of water	--
	Fresh water (CMD):	--
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	--
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
Excess treated water	--	
Details of Swimming pool (If any)	Not applicable	



Government of Maharashtra



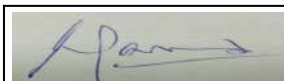
24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	7	2	9	2	0	2	5	2	7
Industrial Process	24	76	100	24	2	26	0	74	74
Cooling tower & thermopack	407	757	1164	260	472	735	144	285	429
Gardening	3	5	8	3	5	8	0	0	0

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	Details given in EIA report.
	Size and no of RWH tank(s) and Quantity:	Details given in EIA report.
	Location of the RWH tank(s):	Eastern side of plot
	Quantity of recharge pits:	Details given in EIA report.
	Size of recharge pits :	Details given in EIA report.
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	2 Lakhs per Annum
	Details of UGT tanks if any :	Not applicable

26.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--

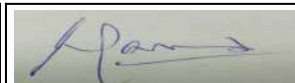
27.Sewage and Waste water	Sewage generation in KLD:	7 cmd
	STP technology:	Not Applicable. Sewage water will be treated in combined Effluent treatment plant.
	Capacity of STP (CMD):	Not Applicable.
	Location & area of the STP:	Not Applicable.
	Budgetary allocation (Capital cost):	Not Applicable.
	Budgetary allocation (O & M cost):	Not Applicable.



28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of debris will be generate during construction phase.
	Disposal of the construction waste debris:	Construction debris will be disposed off safely as per norms.
Waste generation in the operation Phase:	Dry waste:	Fly Ash: 1.5 TPM (Existing) & 270 TPM (proposed addition)
	Wet waste:	--
	Hazardous waste:	Residue/ sludge and filter cake, Spent catalyst, Spent carbon, ETP sludge, Discarded centrifuge bags/Filter cloth, Salts from MEE
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Fly ash will be sell to brick manufacturer.
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be safely disposed off as per Hazardous waste rule, 2016.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	On East side of plot
	Area for the storage of waste & other material:	Details given in EIA report
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5 Lakh
	O & M cost:	100 Lakhs per Annum

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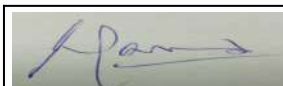


29. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	pH	--	6-9	6.5-9	6.5-9
2	Chemical Oxygen Demand	mg/L	2500-3000	<250	250
3	Biological Oxygen Demand	mg/L	1000-1500	<100	100
4	Total Dissolved solids	mg/L	1100-1200	<2100	2100
5	Total Suspended solids	mg/L	150-200	<100	100
6	Oil & Grease	mg/L	<10	<10	10
7	Chlorides	mg/L	250-300	<600	600
8	Sulphates	mg/L	250-300	<1000	1000
Amount of effluent generation (CMD):		510 cmd effluent			
Capacity of the ETP:		13 cmd to ETP plant, 115 cmd to RO unit, 44 cmd to MEE unit			
Amount of treated effluent recycled :		510 cmd			
Amount of water send to the CETP:		5 cmd			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Oil & Grease trap > Equalization tank > Pre-treatment tank > Pri. clarifier > Aeration tank > Sec. clarifier > Sand filter > Activated carbon filter > Treated water tank			
Disposal of the ETP sludge		ETP sludge will be disposed off in CHWTSDF.			



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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue/ sludge and filter cake	17.1	TPA	5	1	6	Sell to CHWTSDF
2	Spent catalyst	17.2	TPA	250	5	255	sell to CHWTSDF
3	Spent carbon	28.3	TPA	0	500	500	sell to CHWTSDF
4	ETP sludge	35.3	TPA	50	50	100	sell to CHWTSDF
5	Discarded centrifuge bags/Filter cloth	33.1	TPA	0	6	6	sell to CHWTSDF
6	Salts from MEE	35.3	TPA	0	330	330	Reuse or Recycle.

31.Stacks emission Details						
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	6 TPH Boiler	Coal: 1200 kg/hr	1	34	0.8	152
2	4 Lac kcal/Hr	Furnace oil: 21 kg/hr	2	22	0.4	145
3	H2SO4 plant stack	--	3	45	0.85	50
4	Sulphonation reactor	--	4	9	0.15	43
5	DES reactor	--	5	9	0.15	34
6	Sodium Vinyl Sulphonate plant stack	--	6	9	0.15	35
7	DMU/ MMU plant stack	--	7	12	0.15	30
8	Ammonium sulphate	--	8	12	0.15	30
9	500 KVA DG set (existing)	HSD: 10 KL per annum	9	4	0.25	--
10	1500 KVA DG set (proposed)	HSD: 20 KL per annum	10	as per norms	as per norm	--

32.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	300 TPM	600 TPM	900 TPM
2	Furnace oil	20 TPM	15 TPM	35 TPM
3	HSD	10 KL per annum	20 KL per annum	30 KL per annum
Source of Fuel		From nearby vendor		
Mode of Transportation of fuel to site		By road		

33.Energy

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Power requirement:	Source of power supply :	from MSEDCL
	During Construction Phase: (Demand Load)	During construction phase power requirement will be fulfill from existing facility.
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	2500 KW
	During Operation phase (Demand load):	2500 KW
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	DG set 1500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

34. Energy saving by non-conventional method:

--

36. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution from Boiler, TFH	Dust collector/ bag filter, Scrubber	Dust collector/ bag filter
Water pollution from Process, Utilities	ETP plant	RO unit, MEE unit
Noise pollution	Enclosure/ PPE	Enclosure/ PPE
Solid waste	Disposed to CHWTSDF/ Recycler	Disposed to CHWTSDF/ Recycler

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

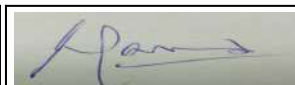
38. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	--	--

b) Operation Phase (with Break-up):

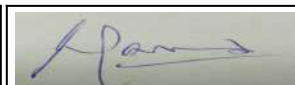
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Dust collector, Scrubber	35	3
2	Water Pollution control	RO unit, MEE unit	500	50
3	Noise Pollution control	Enclosure, PPE	3	1



4	Environment Monitoring/management	Monitoring, Online monitoring system	10	7
5	Occupational Health & Safety	PPE, Safety system	1	6
6	Green Belt Development	Green belt	1	3
7	Hazardous waste & Solid waste management	Storage, secure Disposal, Recycle	5	100
8	Rain water harvesting	RWH system	10	2

39.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ethanol	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -1	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -2	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -3	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
SO-3	2 Nos. of Existing	details given in EIA report	18 MT each	18 MT	details given in EIA report	details given in EIA report	details given in EIA report
DMS-1	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
DMS-2	Existing	details given in EIA report	58 KL	58 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-1	Existing	details given in EIA report	100 KL	100 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES- 2 (ISO tank)	Existing	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-3 (ISO tank)	Existing	details given in EIA report	17.5 KL	17.5 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-4 (ISO tankl)	Existing	details given in EIA report	17.5 KL	17.5 KL	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	Existing	details given in EIA report	500 MT	500 MT	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	Existing	details given in EIA report	250 MT	250 MT	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	2 Nos. of Existing	details given in EIA report	300 MT each	300 MT each	details given in EIA report	details given in EIA report	details given in EIA report
Oleum (25%)	Existing	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report
Oleum (65%)	Existing	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report



Liquor Ammonia (20%)-1	Existing	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
Liquor Ammonia (20%)-2	Existing	details given in EIA report	15 KL	15 KL	details given in EIA report	details given in EIA report	details given in EIA report
Caustic Lye	Existing	details given in EIA report	15 KL	15 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ammonia	Existing	details given in EIA report	cylinders	--	details given in EIA report	details given in EIA report	details given in EIA report
Dimethyl sulphate	Proposed	details given in EIA report	130 KL	130 KL	details given in EIA report	details given in EIA report	details given in EIA report
SVS 25% solution	Proposed	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetone	Proposed	details given in EIA report	16 KL	16 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ethanol	Proposed	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Methanol	Proposed	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetic anhydride	Proposed	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report
Caustic lye	Proposed	details given in EIA report	40 MT	40 MT	details given in EIA report	details given in EIA report	details given in EIA report
Acetic Acid 95%	Proposed	details given in EIA report	100 KL	100 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetic Acid 35%	Proposed	details given in EIA report	50 KL	50 KL	details given in EIA report	details given in EIA report	details given in EIA report
30 % HCL	Proposed	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
40.Any Other Information							
No Information Available							

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	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-10-2016

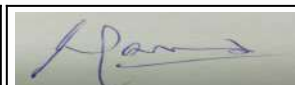
3. The proposal has been considered by SEIAA in its 126th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	The PP shall submit a detailed DMP with budget
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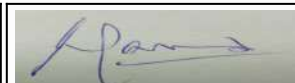
General Conditions:

I	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
II	73 TPH boiler should have stack height of 68m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.
III	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
V	Proper Housekeeping programmers shall be implemented.
VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
IX	Arrangement shall be made that effluent and storm water does not get mixed.
X	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
XI	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
XII	The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
XIII	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
XIV	Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
XV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
XVI	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
XVII	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
XVIII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.



XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF&CC Notification dated 29th April, 2015.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D- Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



Shri Satish.M.Gavai (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. REGIONAL OFFICE MIDC TARAPUR
10. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
11. COLLECTOR OFFICE PALGHAR

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