

Letter No. Letter . APL - VI / Envi. 18 / 2023

Date: 11/05/2023

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

Sub: Regarding the Half-Yearly EC Condition compliance report for the period of Oct-2022 to Mar-2023.

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 October-2022 to March -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.)

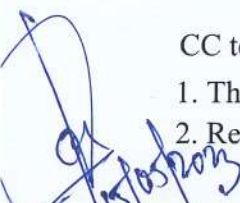


Encl.

1. EC conditions compliance Report.
2. Copy of Environment Clearance
3. Copy of Consent Operate Name change Amendment copy

CC to:

1. The Member Secretary, Maharashtra Pollution Control Board , Sion, Mumbai .
2. Regional officer, Maharashtra Pollution Control Board, Thane.


SUB-REGIONAL OFFICE
MAHARASHTRA POLLUTION CONTROL BOARD
TARAPUR, MIDC. COLONY, BOISAR,
TALUKA & DIST. PALGHAR, PIN 401 504.

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 Pharmalabs Ltd. (Unit - VI), Plot no.D 18 MIDC Tarapur. | | |
|---|--|---|
| <u>Compliance Report of Environmental Clearance dated File No.SEIAA-EC-000000258</u> | | |
| Report for period of October 2022 To March 2023 | | |
| Sr. No. | <u>Specific Conditions:</u> | |
| I | The PP shall submit a detailed DMP with budget | Complied |
| Sr. No. | <u>General Conditions:</u> | Remark |
| I | PP to achieve Zero Liquid Discharge ; PP shall ensure that there is in 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 | 73 TPH boiler should have a stack height of 68 m and flue gases shall be passed through an ESP of 99.9% efficiency before being led in to 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 PPE like helmet, hand gloves, masks, ear plug, goggles, safety shoes, safety suits are provided to all workers and employees. |
| V | Proper Housekeeping programmes shall be implemented. | Industries are maintained with good housekeeping and System for segregation of Biodegradable and Non 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 be immediately stop the operation and shall not restart unit the desired efficiency has been achieved. | Industries are 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 pollutant 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 |



| | | |
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| | | 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 kill 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 minted as per standards. For people working in the high noise area requisite personal protective equipment like earplug etc. shall be provide. | Required PEE, like ear plugs, is provided to all workers and employees. |
| XII | The overall noise level in and around the plant are shall be keep well within the standards by providing noise control measures including acoustic hoods, silencer, enclosures, etc. on the sources of noise generation. The Ambient noise shall confirm 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 carry 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 the | Industries have identified risk zones and installed sensors at Ammonia, MMA Tank, and Hydrocarbon and provided alarm systems. |



| | | |
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| | installed at strategic places for early detection and warning. | |
| XV | Occupational health surveillance of the workers shall be done on 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 has been done on 28 February 2023. |
| XVI | The company shall make the arrangement for protection of possible fire hazardous during manufacturing process in material handling. | The unit has provided a fire hydrant system within premises with water storage capacity of 400 m ³ . |
| XVII | The project authorities must comply with the rules and regulations regarding 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 Talaja and is disposed of by co-processing. Our CHD TSDF membership No. MWML-HzR-TAR-3502. |
| XVIII | Regular mock drills for the onsite 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 24 January 2023. |
| XIX | A separate environment management cell with qualified staff is 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 break-up. These costs shall be included as part of the project cost. These costs 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 | Industries have installed Online stack monitoring instruments. The criteria pollutant levels displayed near the main gate of the company are in the public domain. |



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| | 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 https://ec.maharashtra.gov . | 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 . |
| 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. | Half yearly compliance reports Submitted regular basis, last report submit on 03/11/2022 |
| 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. | Noted & Agreed. |
| 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 | 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. |



| | | |
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| | 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. | Half yearly compliance reports Submitted regular basis, last report submit on 03/11/2022 |
| 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. | 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 03/06/2022 |



Shri. Santosh N. Mule
Industry Representative



**M/s. Aarti Pharamalabs Limited. (Unit - VD, Plot no. D 18 MIDC Tarapur
EC Compliance Report period of Oct 2022 - March 2023
Environmental Clearance dated File No. SEIAA-EC-0000000258**

Compliance Status

Remarks

Sr. No.

EC General condition Details

Name of the Project

Propossed Expansion of Synthetic organic chemicals manufacturing unit

Type of institution

Private

Name of Project Proponent

M/s. Aarti Pharamalabs Limited (Unit - VI)

Name of Consultant

Aditya Environmental Services pvt.ltd

New project Expansion in existing project / Modernazation /Diversification in existing project

Expansion in the existing project ()

Location details of the project:

Plot No. D - 18,, MIDC Tarapur

Taluka:

Palghar

Village:

Boisar

Are of the project:

Tarapur MIDC

IOD/IOA/Concession /Plan Approverl Number

MIDC plot Approval Approved Built Up Area : 8323

LOI/NOC/IOD from MHADA/Other approvals

MIDC plot plan Approval

Total plot area (sq.m.)

20,000 sq.m

Actual Production Quantity in M.T.

Production Details

Consent Limit

October 2022

November 2022

December 2022

January 2023

February 2023

March 2023

1 Sulphuric Acid/Oleum25%/Oleum65%/Liquid SO3 (Sulphuric anhydride)

6000 MT/M

5259.0

5401.0

4433.0

4624.0

4459.0

5253.0

2 Dimethyl Sulphate (DMS)

2500 MT/M

1490.0

1917.0

1504.0

1422.0

1266.0

1654.0

3 Diethyl Sulphate (DES)

700 MT/M

217.0

313.0

258.0

298.0

251.0

383.0

4 Diemethyl Urea (DMU)

600 MT/M

319.0

342.0

261.0

272.0

200.0

220.0

5 Monomethyl Urea(MMU)

100 MT/M

0.0

0.0

0.0

0.0

0.0

0.0

6 Sodium Venvyl Sulphonate (SVS)

300 MT/M

23.0

4.0

39.0

0.0

22.0

5.0

7 Cyano Acitic Acid (CAA)

250 MT/M

0.0

0.0

0.0

0.0

0.0

0.0

8 Cyano Acetyl Methyl Urea (CAMU)

50 MT/M

0.0

0.0

0.0

0

0

0.0

9 Nitrosourasil

300 MT/M

0.0

0.0

0.0

0

0

0.0

10 Di Methyl Aniline

518 MT/M

0.0

0.0

0.0

0

0

0.0

11 Capive Power Plant

500 MT/M

0.0

0.0

0.0

0

0

0.0

Total Water Requirement: 38502 m3/month

October 2022

November 2022

December 2022

January 2023

February 2023

March 2023

12980

14255

11760

10855

11080

12820

Fresh water (CMD):662 Source: MIDC, Tarapur.

Complied: Water counsumption Data And as per MIDC Bill.

Complied: Production Quantities are within the EC limit



| 3 | Use of Water: | Water Consumption CM/ID | | | | | | | | | | | |
|------------------------|------------------------|--|--|---|-------------------------|--------------|---------------|------------|----------|---|---------|---------|-------|
| | | Domestic :- 9 CMD | Others (CMD): Industrial: 114 CMD | Cooling Water (CMD): 615 CMD | Green Belt (CMD): 8 CMD | 432.67 | 459.84 | | 392.00 | 350.16 | 357.42 | 427.33 | |
| 4 | Rain Water Harvesting | We installed a 10 kl tank for the rain water harvesting facility and water used in the cooling tower . | | | | | | Complied | | | | | |
| 5 | Sewage And Waste water | Sewage Generation in KLD : 8 m3/day | Unit has installed STP (cap 20 m3/day) to treat the domestic waste water and reusing for gardening Through STP 08 m3/day water is treated and reused for gardening purposes. | | | | | | Complied | | | | |
| 6 | Solid Waste Management | Hazardus Waste Disposal | Consent Limit | Actual Waste Disposal : | | | | | | Complied. "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 to CHD-TSDF (Membership MWMML-HZW-3502) Taloja and, is disposed co-processing. | | | |
| | | | | Residue/sludge & filter cake (17.1) | 6 MT/A | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | |
| | | | | Spent Catalyst (17.2) | 0.255 MT/A | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | |
| | | | | Spent Carbon (28.3) | 25 MT/A | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | |
| | | | | Discarded Centrifuge Bags/Filter cloth (33.1) | 100 KG/M | 0.000 | 0.300 | 0.000 | 2.760 | | 0.000 | 0.000 | 0.000 |
| | | | | ETP Sludge (35.3) | 1 MT/A | 0.000 | 0.200 | 0.100 | 0.100 | | 0.000 | 0.210 | |
| | | | | Salts of MEE (37.3) | 330 MT/A | 0.000 | 8.400 | 0.000 | 9760.000 | | 0.000 | 9.020 | |
| | | | | Spent Acid from DMS (28.1) | 53 MT/M | 33.000 | 48.000 | 36.000 | 32.908 | | 26.000 | 29.245 | |
| | | | | Spent Acid from DES (28.1) | 1199 MT/M | 377.000 | 404.000 | 404.000 | 420.680 | | 299.000 | 386.192 | |
| | | | | Liq Ammonia 20% (28.1) | 1305 MT/M | 530.000 | 540.000 | 420.000 | 517.570 | | 305.000 | 310.000 | |
| | | | | Ammonium Sulphate (28.1) | 1488 MT/M | 0.000 | 27.000 | 66.000 | 0.000 | | 0.000 | 0.000 | |
| | | | | Sodium Sulphate (28.1) | 110 MT/M | 28.000 | 4.000 | 47.000 | 25.000 | | 26.000 | 6.000 | |
| | | | | Acetic Acid 95% (28.1) | 138 MT/M | 0.000 | 0.000 | 0.000 | 0.000 | | 0.000 | 0.000 | |
| 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 2022 | October 2022 | January 2023 | February 2023 | March 2023 | | Complied . | | | |



| | | | | | | | | | | | | | | |
|---|--------------------------|------------------------|---------|------|------|------|--|--|--|--|--|--|--|--|
| 7 | Effluent Characteristics | pH | 5.5-9.0 | --- | 7.17 | 7.19 | | | | | | | | |
| | | Total Suspended Solids | <_100 | mg/l | 54 | 59 | | | | | | | | |
| | | Total Dissolves Solids | <_2100 | mg/l | 1410 | 1418 | | | | | | | | |
| | | COD | <_250 | mg/l | 225 | 228 | | | | | | | | |
| | | BOD | <_100 | mg/l | 62 | 65 | | | | | | | | |
| | | Chlorides | <_600 | mg/l | 71 | 73 | | | | | | | | |
| | | Sulphates as SO4 | <_1000 | mg/l | 65 | 69 | | | | | | | | |
| | | 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 | | | | | | | | | | |
| | | Details of health surveillance of the workers is given below: | | | | | | | | | | |
| | | Date of surveillance | | | | | Total number of employees | | | | | |
| | | 28/02/2023 | | | | | 312 Nos | | | | | |

| | | | | | | | | | | | | | | |
|-----|-------------------------|---|--|----------------------------------|--|------------------------|--|-----------------|------------------------|--|--------------|--|--------------|--|
| 9 | Stack Emission Details. | Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory. Details are given below: | | | | | | | | | | | | |
| | | Sr. No. | | Stack Details | | Parameter | | Stack height(m) | MPCB Standard | | October 2022 | | January 2023 | |
| | | 1 | | DG Set 500 KVA | | SO2 | | 4 | 50 mg/Nm ³ | | 69.18 | | 67.28 | |
| | | | | | | TPM | | | 150 mg/Nm ³ | | 36.92 | | 12.47 | |
| | | | | | | NOx | | | 50 mg/Nm ³ | | 0.25 | | 0.233 | |
| | | 2 | | Scrubber Process Reactor ACID | | TPM | | 45 | 150 mg/Nm ³ | | 38.92 | | 36.91 | |
| | | | | | | SO2 | | | 50 mg/Nm ³ | | 16.23 | | 12.32 | |
| | | | | | | NOx | | | 50 mg/Nm ³ | | 32.4 | | 29.57 | |
| | | | | | | Acid mist | | | 90 mg/Nm ³ | | 7.42 | | 7.45 | |
| | | 3 | | Boilar (6 Ton/hr) | | SO2 | | 34 | 150 mg/Nm ³ | | 82.78 | | 78.14 | |
| | | | | | | NOx | | | 600 mg/Nm ³ | | 72 | | 69 | |
| | | | | | | TPM | | | 50 mg/Nm ³ | | 9.64 | | 8.34 | |
| | | 4 | | Stack Thermo Pac (4 Lac Kcal/Hr) | | SO2 | | 22 | 150 mg/Nm ³ | | 42.02 | | 39.65 | |
| | | | | | | TPM | | | 50 mg/Nm ³ | | 70.33 | | 69.52 | |
| | | | | | | NOx | | | 50 mg/Nm ³ | | 3 | | 69.52 | |
| SO2 | | | | | | 150 mg/Nm ³ | | | BDL | | BDL | | | |

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.

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 has been done on 28 February 2023.

Completed.
Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory.
Online Stack Emission monitoring system available



| | | | | | | | | | | |
|--------|---|--|-------|---------------------------------|--------|--------|------------------------|-------|---|---|
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 5 | Stack DMS plant (so2 Scrubber) | TPM | 9 | 50 mg/Nm ³ | BDL | 33.2 | having connectivity with MPCB and CPCB. |
| | | | | | NOx | | 50 mg/Nm ³ | BDL | BDL | |
| | | | | | SO2 | | 150 mg/Nm ³ | BDL | BDL | |
| | | | | | TPM | 9 | 50 mg/Nm ³ | 29 | 31.4 | |
| | | | | | NOx | | 50 mg/Nm ³ | BDL | BDL | |
| | | | | | NH3 | | 150 mg/Nm ³ | 30.2 | 17 | |
| | | | | | TPM | 12 | 50 mg/Nm ³ | BDL | BDL | |
| | | | | | NOx | | 50 mg/Nm ³ | BDL | 7.6 | |
| | | | | | TPM | | 150 mg/Nm ³ | 86.74 | 95.14 | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 6 | Stack DES plant (so2 Scrubber) | TPM | 12 | 50 mg/Nm ³ | 16.23 | 13.27 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. |
| | | | | | NOx | | 50 mg/Nm ³ | 32.4 | 29.44 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| | | | | | SO2 | 9 | 50 mg/Nm ³ | 26.21 | 23.49 | |
| | | | | | NOx | | 50 mg/Nm ³ | 11.56 | 10.28 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| | | | | | SO2 | | 50 mg/Nm ³ | 26.21 | 23.49 | |
| | | | | | NOx | | 50 mg/Nm ³ | 11.56 | 10.28 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 7 | Stack DMU Plant (NH3 Scrubber) | TPM | 12 | 50 mg/Nm ³ | BDL | BDL | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. |
| | | | | | NOx | | 50 mg/Nm ³ | BDL | 7.6 | |
| | | | | | TPM | | 150 mg/Nm ³ | 86.74 | 95.14 | |
| | | | | | SO2 | 12 | 50 mg/Nm ³ | 16.23 | 13.27 | |
| | | | | | NOx | | 50 mg/Nm ³ | 32.4 | 29.44 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| | | | | | SO2 | 9 | 50 mg/Nm ³ | 26.21 | 23.49 | |
| | | | | | NOx | | 50 mg/Nm ³ | 11.56 | 10.28 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 8 | Ammonium Sulphate | TPM | 12 | 50 mg/Nm ³ | 16.23 | 13.27 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. |
| | | | | | NOx | | 50 mg/Nm ³ | 32.4 | 29.44 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
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| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
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| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 9 | Sodium Vinayl Sulphonate | TPM | 12 | 50 mg/Nm ³ | 16.23 | 13.27 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. |
| | | | | | NOx | | 50 mg/Nm ³ | 32.4 | 29.44 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| | | | | | SO2 | 9 | 50 mg/Nm ³ | 26.21 | 23.49 | |
| | | | | | NOx | | 50 mg/Nm ³ | 11.56 | 10.28 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
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| | | | | | NOx | | 50 mg/Nm ³ | 11.56 | 10.28 | |
| | | | | | TPM | | 150 mg/Nm ³ | BDL | BDL | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 1 | Near Main Gate | PM 10 | 100 | 46.87 | 52.14 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. | |
| | | | | | PM 2.5 | 60 | 26.45 | 27.86 | | |
| | | | | | SO2 | 80 | 27.21 | 18.47 | | |
| | | | | | NOx | 80 | 36.1 | 32.01 | | |
| | | | | | PM 10 | 100 | 49.38 | 58.39 | | |
| | | | | | PM 2.5 | 60 | 28.75 | 31.71 | | |
| | | | | | SO2 | 80 | 34.10 | 22.19 | | |
| | | | | | NOx | 80 | 39.25 | 30.66 | | |
| | | | | | PM 10 | 100 | 41.32 | 51.26 | | |
| PM 2.5 | 60 | 26.87 | 32.87 | | | | | | | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 2 | Near MMA Yard | SO2 | 80 | 23.1 | 16.99 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. | |
| | | | | | NOx | 80 | 35.41 | 28.54 | | |
| | | | | | PM 10 | 100 | 41.32 | 51.26 | | |
| | | | | | PM 2.5 | 60 | 26.87 | 32.87 | | |
| | | | | | SO2 | 80 | 23.1 | 16.99 | | |
| | | | | | NOx | 80 | 35.41 | 28.54 | | |
| | | | | | PM 10 | 100 | 41.32 | 51.26 | | |
| | | | | | PM 2.5 | 60 | 26.87 | 32.87 | | |
| | | | | | SO2 | 80 | 23.1 | 16.99 | | |
| NOx | 80 | 35.41 | 28.54 | | | | | | | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 3 | Near D.G.Set | PM 10 | 100 | 41.32 | 51.26 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. | |
| | | | | | PM 2.5 | 60 | 26.87 | 32.87 | | |
| | | | | | SO2 | 80 | 23.1 | 16.99 | | |
| | | | | | NOx | 80 | 35.41 | 28.54 | | |
| | | | | | PM 10 | 100 | 41.32 | 51.26 | | |
| | | | | | PM 2.5 | 60 | 26.87 | 32.87 | | |
| | | | | | SO2 | 80 | 23.1 | 16.99 | | |
| | | | | | NOx | 80 | 35.41 | 28.54 | | |
| | | | | | PM 10 | 100 | 41.32 | 51.26 | | |
| PM 2.5 | 60 | 26.87 | 32.87 | | | | | | | |
| 10 | Work Zone Ambient Air Quality Monitoring. | Fugitive emissions in the work zone environment, product and raw materials storage areas are monitored quarterly by MoEF | 1 | In Acid Plant | SPM | N.S. | 106.38 | 96.63 | Complied. Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. | |
| | | | | | SO2 | < 5000 | 22.74 | 19.57 | | |
| | | | | | NOx | < 6000 | 34.1 | 26.44 | | |
| | | | | | SPM | N.S. | 98.36 | 87.16 | | |
| | | | | | SO2 | < 5000 | 16.74 | 21.45 | | |
| | | | | | NOx | < 6000 | 34.1 | 26.44 | | |
| | | | | | SPM | N.S. | 98.36 | 87.16 | | |
| | | | | | SO2 | < 5000 | 16.74 | 21.45 | | |
| | | | | | NOx | < 6000 | 34.1 | 26.44 | | |



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

| Sr.No. | Area | Minimum value | MPCB Standard | Mean value | MPCB Standard | Day Time dB(A) | | Night Time dB(A) | Remarks | | | | | |
|--------|---|--|----------------------------------|---------------|---------------|----------------|---------------|------------------|---|--|------------------|---------------|------------|---------------|
| | | | | | | October 2022 | January 2023 | | | | | | | |
| 11 | Work Zone Ambient Air Quality Monitoring. | 2 | In DMS Plant | NOx | < 6000 | 29.87 | | | Gaseous emission quantity monitoring is done quarterly by MoEF approved laboratory. Online Stack Emission monitoring system available having connectivity with MPCB and CPCB. | | | | | |
| | | | | DMS | --- | BDL | | 36.74 | | | | | | |
| | | Methanol | < 200 | 0.109 | | BDL | | | | | | | | |
| | | Dimethyl Ether | --- | BDL | | BDL | | | | | | | | |
| | | SPM | N.S. | 86.74 | | 96.28 | | | | | | | | |
| | | SO2 | < 5000 | 16.23 | | 12.32 | | | | | | | | |
| | | NOx | < 6000 | 32.4 | | 29.57 | | | | | | | | |
| | | Ethanol | < 1000 | 1.85 | | 1.42 | | | | | | | | |
| | | SPM | N.S. | 102.36 | | 100.24 | | | | | | | | |
| | | SO2 | < 5000 | 19.86 | | 13.76 | | | | | | | | |
| | | NOx | < 6000 | 33.77 | | 28.15 | | | | | | | | |
| 4 | In DMU Plant | Ammonia | < 25 | 2.46 | | | 3.69 | | | | | | | |
| 12 | 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 | Area | Minimum value | MPCB Standard | Mean value | MPCB Standard | Day Time dB(A) | | 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. | | | | |
| | | | | | | | | Sr.No. | Area | | Minimum value | MPCB Standard | Mean value | MPCB Standard |
| | | | | | | | | 1 | Near Main Gate | | 64.9 | 75 | 66.3 | 75 |
| | | | | | | | | 2 | Near ETP Area | | 69.3 | 75 | 70.1 | 75 |
| | | | | | | | | 3 | Near Boiler House | | 72.8 | 75 | 71.5 | 75 |
| | | | | | | | | 4 | Production Hall | | 71.4 | 75 | 72.4 | 75 |
| | | | | | | | | 5 | Near D.G. Set | | 70.5 | 75 | 69.8 | 75 |
| | | | | | | | | | | | Night Time dB(A) | | | |
| | | | | | | | | 1 | Near Main Gate | | 59.3 | 70 | 61.4 | 70 |
| | | | | | | | | 2 | Near ETP Area | | 63.7 | 70 | 65.2 | 70 |
| | | | | | | | | 3 | Near Boiler House | | 67 | 70 | 66.5 | 70 |
| 4 | Production Hall | 65.9 | 70 | 67.6 | 70 | | | | | | | | | |
| 5 | Near D.G. Set | 67.4 | 70 | 66.5 | 70 | | | | | | | | | |
| 13 | Fuel Consumption :- | Type of fuel | Limit | October 2022 | November 2022 | December 2022 | January 2023 | February 2023 | March 2023 | Complied. As per Consumption register book it is under limit | | | | |
| | | | | Coal | 864000 | 69007 | 276007 | 242790 | 239215 | | 126523 | 231793 | | |
| | | | | Furnace Oil | 15120 | 9892 | 12400 | 11270 | 9354 | | 7998 | 8990 | | |
| 14 | Energy :- Source of Power supply | Power requirement | Tubaine Set power back up 500KVA | October 2022 | November 2022 | December 2022 | January 2023 | February 2023 | March 2023 | Complied. As per Power Consumption Unit or MECB Bill | | | | |
| | | | | MSEDCL | 752420 | 743070 | 764220 | 718800 | 626480 | | 750690 | | | |
| | | | | | 173043 | 218620 | 178610 | 176420 | 181140 | | 204560 | | | |



| | | | | |
|----|--|---|---|--|
| 15 | Details of pollution control system:- Source | Air pollution from boiler TFH | Dust collector ,bag filter and Process scrubber | Complied. Dust collector ,bag filter, scrubber Available. |
| | | Water pollution from process and utilities | ETP Plant ,RO unit and MEE unit | 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. |
| | | Noise pollution | Enclosure / PPE | Acoustic enclosures have been provided for the DG sets to mitigate the noise pollution and ear plug provided to workers. |
| 16 | Storage of Chemicals (inflammable/explosive/hazardous/toxic substance) | Solid Waste | Disposed to CHWTSDF / Recycle (MWML) | Complied. Hazardus waste Disposed to CHWTSDF / Recycle, Hazardus waste Membership Available. Membership No. MWML - HzW-TAR- 3502 |
| | | 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. | All Hazardous chemicals have been stored in the tanks with breather valves and flame arrester and materials transferred through sealed pumps. | Complied. |

Shri. Santosh N. Mule
Industry Representative



MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 24010437/24020781/24014701

Fax : 24023516/24024068/24044531

Email : ast@mpcb.gov.in

Visit At : <http://mpcb.gov.in>



Kalptaru point, 2nd, 3rd & 4th Floor,

Opp. Cine Planet,

Near Sion Circle, Sion (E),

Mumbai - 400 022

Consent Order No: Format1.0/UAN No. 0000009443/Amend- 2211000021
Date: 10/11/2022

Amendment of Consent

Sub: Amendment in Consent to Operate for change in name of

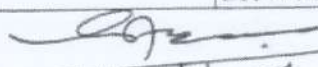
M/s. Aarti Industries Ltd.,
Plot No. D-18, MIDC Tarapur,
Tal. & Dist. Palghar

- Ref: 1. Consent granted by Board vide No.: Format 1.0/AS(T)/UAN No. MPCB-Consent- 0000124079/CR/2204001256, Date. 19.04.2022.
2. Hon'ble National Company Law Tribunal Order dtd: 21/09/2022
3. Circular issued No. MPCB/RO(BMW)/Circular/B-220823-FTS-0199,
Dtd: 23.08.2022

The Consent to Operate granted under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is granted to M/s. Aarti Industries Ltd., Plot No. D-18, MIDC Tarapur, Tal. & Dist. Palghar is hereby amended as:

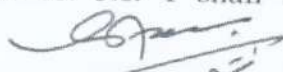
- The name of the Industry shall be read as:
M/s. Aarti Pharmalabs Ltd.,
Plot No. D-18, MIDC Tarapur,
Tal. & Dist. Plaghar.
- The condition No. 7 under Hazardous & Other Wastes (M & TM) Rules 2016 for treatment and disposal of Hazardous waste of the above referred consent at Sr. No. 1 Shall be read as:

| Sr. No | Category No./ Type | Quantity | UoM | Treatment | Disposal |
|--------|--|----------|--------|--|---|
| 1. | 17.1 - Process acidic residue, filter cake, dust | 6 | MT/A | Preprocessing/ Co-processing /Incineration | Co-processor through Authorized Preprocessor/ CHWTSDF |
| 2. | 17.2 Spent catalyst | 255 | Ltr./A | Recycle* | Sale to Authorized Recycler |
| 3. | 28.3 Spent carbon | 25 | MT/A | Preprocessing/ Co-processing /Incineration | Co-processor through Authorized Preprocessor/ CHWTSDF |


9/11/2022

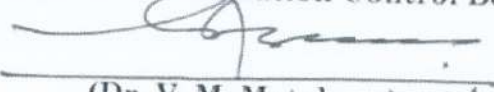
| | | | | | |
|-----|--|------|------|--|---|
| 4. | 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 1 | MT/A | Recycle* | Sale to Authorized Party / CHWTSDF |
| 5. | 35.3 Chemical sludge from wastewater treatment | 100 | Kg/M | Landfill after Treatment | CHWTSDF |
| 6. | 37.3 Concentration or evaporation residues | 330 | MT/A | Landfill after Treatment | CHWTSDF |
| 7. | 20.3 Distillation residues | 14.4 | MT/A | Preprocessing/ Co-processing /Incineration | Co-processor through Authorized Preprocessor/ CHWTSDF |
| 8. | 26.3 (Spent Acid (from DMS Plant)) | 53 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 9. | 26.3 (Spent Acid (from DES Plant)) | 1199 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 10. | 28.1 (20% Liquor Ammonia) | 1305 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 11. | 28.1 (Ammonium Sulphate) | 1488 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 12. | 28.1 (Sodium Sulphate) | 110 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 13. | 26.3 (95% Acetic Acid) | 138 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |
| 14. | 26.3 (35% Acetic Acid) | 64 | MT/M | Recycle* | Sale to Authorized party / CHWTSDF |

3. All other conditions of the consent referred above at Sr. No. 1 shall be remain unchanged.


9/11/2021

4. The Amendment is valid only along with the consent referred at Ref. No. 1.
5. This amendment for change in name is issued pursuant to the order issued by Hon'ble National Company Law Tribunal referred at Sr. No. 2.

For and on behalf of the
Maharashtra Pollution Control Board


(Dr. V. M. Motghare)
Assistant Secretary (Technical)

To,
M/s. Aarti Pharmalabs Ltd.,
Plot No. D-18, MIDC Tarapur,
Tal. & Dist. Palghar.

Copy to:

1. Regional Officer – Thane / SRO – Tarapur - I, MPCB
2. Chief Accounts Officer, M.P.C. Board, Mumbai



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

सत्यमेव जयते

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

SEIAA Meeting No: 126 Meeting Date: April 19, 2018 (SEIAA-STATEMENT-000000252)
SEIAA-MINUTES-000000371
SEIAA-EC-000000258

Page 2 of 14

Shri Satish.M.Gavai (Member Secretary SEIAA)

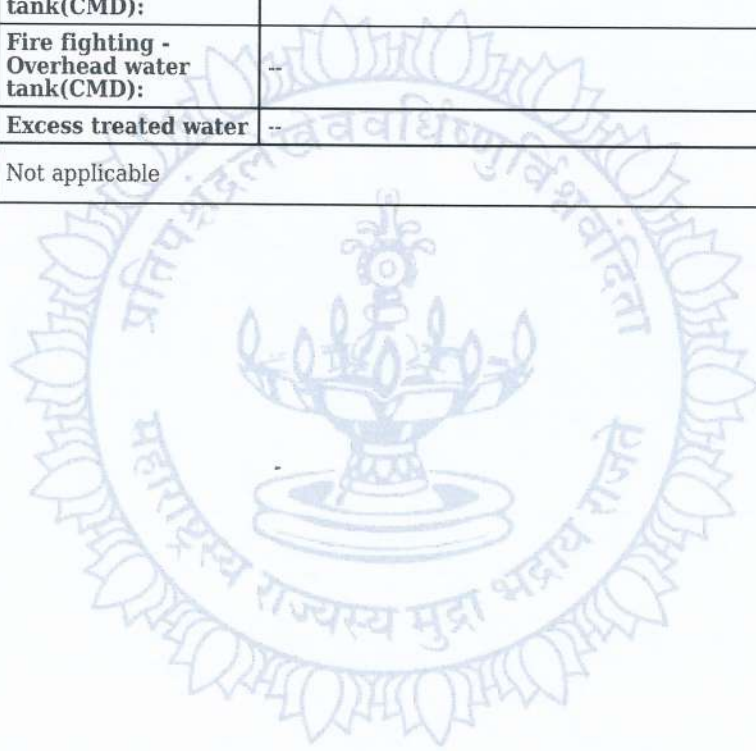
22. Production Details

| 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 | |



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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: | -- |

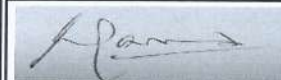
| | | |
|----------------------------------|---|--|
| 27.Sewage and Waste water | Sewage generation in KLD: | 7 cmd |
| | STP technology: | Not Applicable. Sewage water will be treated in combined Effluent treatment plant. |
| | Capacity of STP (CMD): | Not Applicable. |
| | Location & area of the STP: | 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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Maharashtra



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 | | | | | | | |

| | | |
|---------------------------|--|---|
| 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 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 |
| 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:

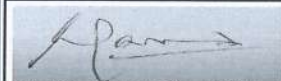
| | |
|----------|--|
| I | The PP shall submit a detailed DMP with budget |
|----------|--|

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 conform 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. |

Government of Maharashtra



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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