

Date : 02.11.2022

To,  
Additional Principal Chief Conservator of Forests  
Ministry of Environment, Forest & Climate Change  
Regional Office, (West Central Zone)  
Ground floor, East wing,  
New Secretary Building  
Civil lines, Nagpur – 440001

**Subject : Six-Monthly Environmental Compliance Status Report of Stipulated Conditions of Environmental Clearance.**

**Reference : Environmental Clearance No. SEIAA-EC-0000000263 dated 26<sup>th</sup> April, 2018**

Respected Sir,

With reference to the above Subject, we are submitting Environmental Compliance Status Report of M/s Nouryon Chemicals India Pvt. Ltd. (Formerly M/s Akzo Nobel India Limited) located at Plot No. E-18, 19, 20 & C-61 (Part/Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; for the period from April 2022 to September 2022 along with supporting documents (Refer Enclosed Annexures).

We assure you for submission of six monthly environmental compliance status reports on regular basis.

Thanking you,

Yours faithfully  
M/s Nouryon Chemicals India Pvt. Ltd.  
(Formerly M/s Akzo Nobel India Limited)



Authorized Signatory

C. C. to : MoEF & CC, Delhi,  
CPCB, Zonal office, Vadodara,  
Environment Dept., Mantralaya, Mumbai.  
MPCB, Mumbai (Sion).

Six-Monthly Environmental Compliance Status Report  
of Stipulated Conditions of Environmental Clearance

(April 2022 to September 2022)

Submitted by

M/s Nouryon Chemicals India Pvt. Ltd.  
(Formerly M/s Akzo Nobel India Limited)

Plot No. E - 18, 19, 20 & C- 61 (Part/Part)  
MIDC Mahad, Mahad, Maharashtra

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## CHAPTER 1 : INTRODUCTION & PROJECT DESCRIPTION

### 1.1 Introduction

The project of M/s Nouryon Chemicals India Pvt. Ltd. (Formerly M/s Akzo Nobel India Limited) is located at plot No. E-18, 19, 20 & C-61 (Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; which is in notified industrial zone of Government of Maharashtra. This Project has awarded with environmental clearance by State Level Environment Impact Assessment Authority, vide letter No. SEIAA-EC-0000000263 dated 26.04.2018; copy enclosed as Annexure-1. The company was originally incorporated with name Akzo Nobel India Limited and name of company has changed to M/s Nouryon Chemicals India Pvt. Ltd. under the Companies act, 1956; incorporation certificate copies are enclosed as Annexure-2. Company has obtained consent with vide No. Format 1.0/CC/UAN No. 0000105321/CR2104000614 dated 09.04.2021; copy is enclosed as Annexure-3.

### 1.2 Project Description

Salient Features of the Project:

Location	Plot No. E-18, 19, 20 & C-61 (Part/Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra.		
Co-ordinates of the location	Latitude - 18°6'43.11"N Longitude - 73°29'27.24"E The elevation from mean sea level is 20 m.		
Location accessibility	Railway Station : Veer Railway Station is 17 km away from project site. Highway : National Highway No. 66 is 3.58 km away from project site.		
Type & Scale of industry	Large Scale Manufacturing Industry		
Cost of the project	75.54 Cr.		
Area statement	Total Plot Area - 86478.0 sq.m Total Built Up Area - 15615.21 sq.m (Built up area corrected as per BCC dated 20.11.2021) Green Belt Area - 29995 sq.m Parking Area - 2271.8 sq.m		
Product details/Byproduct details	Sr. No.	Product Name	Quantity in MT/M

	1.	Organic Peroxides (Pure)	284.96
	2.	Refilling/ blending of Metal Alkyls (Pure)	141.83
	3.	Sodium Chloride (NaCl)- Byproduct	108
Raw materials (including process chemicals, catalysts & additives)	List Enclosed as Annexure-4.		
Water supply	Source – Maharashtra Industrial Development Corporation. Permission has obtained from MIDC for water supply; copy enclosed as Annexure-5 and MIDC water bill copy of March 2022 month is enclosed as Annexure-6.		
Water requirement	Total - 640 CMD Domestic- 10 CMD Process - 470 CMD Cooling Tower & Boiler feed – 60 CMD Gardening - 100 CMD		
Effluent generation	Domestic/Sewage effluent – 8.0 CMD Trade effluent – 496 CMD		
Power	Source : MSEDCL, Total demand – 990 KVA		
Gaseous emissions from different sources	<ul style="list-style-type: none"> <li>- From Boiler stack height 30 m.</li> <li>- From D.G. Set (500 KVA) stack height 10 m</li> <li>- From Diesel engine hydrant stack height 6 m</li> <li>- From Diesel engine sprinkler stack height 6.5 m</li> <li>- From scrubber stack height 16 m</li> <li>- From Process stack( HCl) height 10 m.</li> </ul>		
Fuel	HSD- 82.5 Lit/Hr LDO – 571.2 Kg/Day		
Status of approvals from statutory bodies	<ol style="list-style-type: none"> <li>1. Environmental Clearance.</li> <li>2. Consent to Establish.</li> <li>3. Consent to Operate.</li> <li>4. Certificate of Incorporation.</li> <li>5. Factory license</li> </ol>		

### 1.3 Present Status of the Project

The project is at operational phase.

### 1.4 Purpose of the Report

This six-monthly environmental compliance status report has to be submitted as per the conditions stipulated in the Environmental Clearance. The aim of six monthly compliance is to verify:

- That the project does not have any adverse environmental impact in the project area and it's surrounding.
- Compliance achieved with the conditions stipulated in the Environmental Clearance.
- That the environmental mitigation measures as suggested in the approved Form-1, Consolidated form & Environmental Management Plan (EMP) is implemented by Project Management.
- The project proponent is implementing the environmental safeguards in true spirit.

CHAPTER 2 : COMPLIANCE STATUS ON STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE CONDITIONS

2.1 Conditions along with compliance status is discussed below in detail

Sr. No.	Conditions of Environmental Clearance	Status of Compliance
SPECIFIC CONDITION :		
(i)	PP to take utmost care to mitigate the findings of the life cycle analysis to reduce global warming potential and increase the sustainability index.	Project proponent is taking care of environment. Life cycle analysis study has completed during EIA and proponent is taking care of mitigation findings of LCA.
GENERAL CONDITIONS:		
(i)	PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	Industry has provided ETP consisting of primary and secondary treatment and as per consent to operate vide No.Format 1.0/CC/UAN No. 0000105321/CR2104000614 dated 09.04.2021; schedule I (C); industry has permission to discharge treated effluent to MMA-CETP for further treatment and disposal. CETP NOC copy is enclosed as Annexure-7.
(ii)	73 TPH boiler should have stack height of 68 m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	Provided boiler capacity is 1.1 TPH & stack height is 30 meter; which is adequate stack height as per CPCB guidelines.
(iii)	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	Project proponent has consented to condition. No additional land will be used for any activity without obtaining prior environmental clearance.
(iv)	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Complied. Company is being taken utmost precaution for the health and safety of the people working in the unit as well as for protecting the environment by implementing EHS policy and Standard Operating Process (SOP) for handling of Chemicals, Solid hazardous waste and solvents. Company conducts the periodic health checkup, mock drills, internal and external safety training for workers to ensure safe work environment within company premises.

(v)	Proper Housekeeping programmers shall be implemented.	Complied. To ensure clean & obstacle free shop floor, housekeeping is being maintained at plant. Nine numbers of people has deputed for housekeeping.
(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.	Project Proponent has consented to condition.
(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).	Complied. A stack of 10 m height is provided to control and dispersion of pollutants from DG set (capacity-500 KVA).
(viii)	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied. Rainwater harvesting for groundwater recharge is installed. Attached Annexure- 8.
(ix)	Arrangement shall be made that effluent and storm water does not get mixed.	Complied. Effluent is being treated in ETP and treated effluent is being discharged to CETP for further treatment and disposal and separate storm water drainage line is provided to collect storm water therefore, there is no possibility to mix effluent and storm water.
(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.	Complied. Ground water monitoring has done through MoEF & NABL authorized laboratory; obtained results are within limit of standards. Report copies are enclosed as Annexure-9.
(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.	Complied. Noise levels are monitored through MoEF & NABL laboratory and results are well within limits as per standards, The report copy is enclosed as Annexure-10. PPE's such as earplugs earmuffs are provided to workers.
(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.	Complied. Noise levels are monitored through MoEF & NABL laboratory and results are well within limits as per standards, The report copy enclosed as Annexure-10. Acoustic enclosures, hoods and silencers are provided to all noise generating equipment's as per requirements. i.e. D.G. Set.



(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.	Complied. Company has well designed CSR policy; company has planted more than 500 trees near Mahad area. Project proponent has planted 491 number of trees in industry premises; tree list is enclosed as Annexure-11.
(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.	Complied. Fire extinguisher system is provided at plant site and all raw materials are in liquid form; there is provision of dyke wall at storage area.
(xv)	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	Complied. Occupational health surveillance of the employees/workers is being done and records are maintained as per Factories Act, copies are enclosed as Annexure-12.
(xvi)	The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Complied. Fire hydrant system has developed and implemented at plant site. Fire NOC has obtained from MIDC; copy enclosed as Annexure-13.
(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.	Complied. Authorization under Rule 5 of the Hazardous & Other Wastes (M & TM) Rules 2016 is obtained from Maharashtra Pollution Control Board, vide letter No.Format 1.0/CC/UAN No. 0000105321/CR2104000614 dated 09.04.2021 and hazardous waste is being stored in separate designated area and disposal through CHWTSDF, records are being maintained in the form of Manifest (Form-10); copies are enclosed as Annexure-14. Annual return of hazardous waste (Form-4) is being submitted on MPCB portal copy is enclosed as Annexure-15.
(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.	It is being complied. Periodic mock drills are being carried out to identify required changes in on site emergency plan. The same is being updated as per requirement. Last mock drill is done for emergency preparedness dated 16.06.2022 ; mock drill report copy is enclosed as Annexure-16.
(xix)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. Separate environment management cell has provided for smooth working of environmental safeguards. Copy is enclosed as Annexure-17.

(xx)	<p>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 &amp; this department.</p>	<p>Complied. Separate funds are allocated for environmental protection measures /EMP, item-wise break-up is below.</p> <table border="1" data-bbox="873 338 1507 995"> <thead> <tr> <th data-bbox="873 338 943 443">Sr. No.</th> <th data-bbox="943 338 1252 443">Cost of environmental protection measures</th> <th data-bbox="1252 338 1507 443">Capital Cost &amp; recurring cost (Rs.) in lacks</th> </tr> </thead> <tbody> <tr> <td data-bbox="873 443 943 485">1.</td> <td data-bbox="943 443 1252 485">Air Pollution Control</td> <td data-bbox="1252 443 1507 485">0.6</td> </tr> <tr> <td data-bbox="873 485 943 554">2.</td> <td data-bbox="943 485 1252 554">Water Pollution Control</td> <td data-bbox="1252 485 1507 554">24.5</td> </tr> <tr> <td data-bbox="873 554 943 623">3.</td> <td data-bbox="943 554 1252 623">Noise Pollution Control</td> <td data-bbox="1252 554 1507 623">0.3</td> </tr> <tr> <td data-bbox="873 623 943 728">4.</td> <td data-bbox="943 623 1252 728">Environment monitoring and Management</td> <td data-bbox="1252 623 1507 728">1.2</td> </tr> <tr> <td data-bbox="873 728 943 798">5.</td> <td data-bbox="943 728 1252 798">Occupational health and safety</td> <td data-bbox="1252 728 1507 798">6.1</td> </tr> <tr> <td data-bbox="873 798 943 840">6.</td> <td data-bbox="943 798 1252 840">Green Belt</td> <td data-bbox="1252 798 1507 840">7.5</td> </tr> <tr> <td data-bbox="873 840 943 909">7.</td> <td data-bbox="943 840 1252 909">Solid waste management</td> <td data-bbox="1252 840 1507 909">2.57</td> </tr> <tr> <td data-bbox="873 909 943 951">8.</td> <td data-bbox="943 909 1252 951">Rain water harvesting</td> <td data-bbox="1252 909 1507 951">0</td> </tr> <tr> <td colspan="2" data-bbox="873 951 1252 995">Total Cost</td> <td data-bbox="1252 951 1507 995">42.77</td> </tr> </tbody> </table>	Sr. No.	Cost of environmental protection measures	Capital Cost & recurring cost (Rs.) in lacks	1.	Air Pollution Control	0.6	2.	Water Pollution Control	24.5	3.	Noise Pollution Control	0.3	4.	Environment monitoring and Management	1.2	5.	Occupational health and safety	6.1	6.	Green Belt	7.5	7.	Solid waste management	2.57	8.	Rain water harvesting	0	Total Cost		42.77
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(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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a></p>	<p>Complied. Attached Annexure- 18</p>																														
(xxii)	<p>Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard &amp; soft copies to the MPCB &amp; this department, on 1<sup>st</sup> June &amp; 1<sup>st</sup> December of each calendar year.</p>	<p>Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance to respective authorities on regular basis</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</p>	<p>Project proponent has consented to condition. EC copy is submitted to local MPCB office.</p>																														

	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 <sub>2</sub> , NO <sub>x</sub> (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.	Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance with results of monitored data to respective authorities on regular basis. Monitoring of ambient air, stack, effluent and noise is being done through MoEF & NABL authorized laboratory and monitored data of criteria pollutants (SPM, RSPM, and SO <sub>2</sub> & NO <sub>x</sub> ) is displayed near company main gate and it is being updated regularly. Monitoring report copies are enclosed as Annexure-19.
(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.	Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance including results of monitored data of stack, ambient air, effluent & noise to respective authorities on regular basis
(xxvi)	The environmental statement for each financial year ending 31 <sup>st</sup> 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.	Complied. Environmental statement report for financial year ending with September, 2022 is submitted; copy is enclosed as Annexure-20.
1.	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,	Project proponent has consented to condition.

	if any or action initiated under EP Act.	
2.	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.	Project proponent has consented to condition.
3.	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.	Project proponent has consented to condition.
4.	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.	Project proponent has consented to condition. Company has obtained Consent to operate from MPCB and industry is in operation phase.
5.	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.	Project proponent has consented to condition.
6.	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.	Project proponent has consented to condition.



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

To,  
**Mr. Shrikant K. Kulkarni.**  
at Plot E-18, 19, 20 & C-61(Part), MIDC Mahad, Mahad

**Subject:** Environment Clearance for Akzo Nobel India Limited

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 143rd 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 115th meetings.

2. It is noted that the proposal is considered by SEAC-I under screening category schedule 5(f) category 'B1' as per EIA Notification 2006.

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

1.Name of Project	Akzo Nobel India Limited
2.Type of institution	Private
3.Name of Project Proponent	Mr. Shrikant K. Kulkarni.
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd. QCI NABET Accredited Consultancy :Certificate no. NABET/EIA/1518/ RA 020
5.Type of project	Not applicable. Brown field industrial project
6.New project/expansion in existing project/modernization/diversification in existing project	expansion in existing project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	no
8.Location of the project	Plot E-18, 19, 20 & C-61(Part), MIDC Mahad, Mahad
9.Taluka	Mahad
10.Village	Khaire
11.Area of the project	group gram panchyat Savane
12.IOD/IOA/Concession/Plan Approval Number	not applicable. industrial project <b>IOD/IOA/Concession/Plan Approval Number:</b> Not applicable. industrial project <b>Approved Built-up Area:</b> 8345.7
13.Note on the initiated work (If applicable)	no work is initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	not applicable. Plan will be submitted to MIDC, Mahad.
15.Total Plot Area (sq. m.)	86478 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>FSI area (sq. m.):</b> Not applicable <b>Non FSI area (sq. m.):</b> Not applicable <b>Total BUA area (sq. m.):</b> Not applicable
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> <b>Approved Non FSI area (sq. m.):</b> <b>Date of Approval:</b>
19.Total ground coverage (m2)	Not applicable

**SEIAA Meeting No: 115 Meeting Date: February 6, 2018 ( SEIAA-STATEMENT-000000209 )**  
**SEIAA-MINUTES-000000360**  
**SEIAA-EC-000000263**

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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	240400000



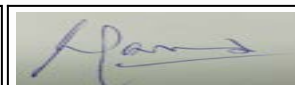
# Government of Maharashtra

## 22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Organic Peroxides (Pure) Total	99.78	185.18	284.96
2	Refilling/ blending of Metal Alkyls (Pure)	66.67	75.17	141.83
3	Byproduct: Sodium chloride salt (NaCl)	0	108	108

## 23. Total Water Requirement

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



## 24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	5	5	10	1	1	2	4	4	8
Industrial Process	235	235	470	5	5	10	230	230	460
Cooling tower & thermopack	10	50	60	7	17	24	3	33	36
Gardening	100	0	100	100	0	100	0	0	0
Fresh water requirement	350	290	640	113	23	136	237	267	504

<b>25.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	approx. 20 m below ground level
	<b>Size and no of RWH tank(s) and Quantity:</b>	1 RWH tank of 10,000 L will be provided
	<b>Location of the RWH tank(s):</b>	appropriate location will be decided as per architectural drawing
	<b>Quantity of recharge pits:</b>	no recharge pits are proposed
	<b>Size of recharge pits :</b>	NA
	<b>Budgetary allocation (Capital cost) :</b>	10,00,000
	<b>Budgetary allocation (O &amp; M cost) :</b>	25,000
	<b>Details of UGT tanks if any :</b>	not applicable

<b>26.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	site is MIDC developed land . MIDC drains are provided to each plot for drainage of storm water.
	<b>Quantity of storm water:</b>	0.03 cum/sec
	<b>Size of SWD:</b>	0.6*1*1796 m

<b>27.Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	4 CMD existing and after expansion total 8 CMD sewage will be generated
	<b>STP technology:</b>	sewage will be treated in aerobic treatment of ETP
	<b>Capacity of STP (CMD):</b>	No STP. ETP of 700 CMD capacity is provided for effluent treatment
	<b>Location &amp; area of the STP:</b>	No STP. ETP is provided
	<b>Budgetary allocation (Capital cost):</b>	proposed cost for water treatment- Rs. 1,00,00,000
	<b>Budgetary allocation (O &amp; M cost):</b>	Rs.12,00,000



## 28.Solid waste Management

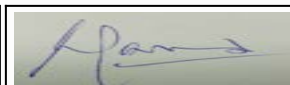
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	in construction phase minor quantity construction waste will be generated.
	<b>Disposal of the construction waste debris:</b>	construction debris will be used for landfill inside the plot premise
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	144 TPA scrap plastic and other non hazardous dry waste will be generated in operation phase
	<b>Wet waste:</b>	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	<b>Hazardous waste:</b>	HW will be disposed at CHWTSDF or it will be sold to MPCB authorised recycler.
	<b>Biomedical waste (If applicable):</b>	if generated, it is disposed to authorised party
	<b>STP Sludge (Dry sludge):</b>	No STP sludge. it is estimated that 14 TPA ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF
	<b>Others if any:</b>	--
<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	total 144 MT/year scrap/ dry non hazardous waste will be generated will be sold to authorised recycler.
	<b>Wet waste:</b>	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	<b>Hazardous waste:</b>	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.
	<b>Biomedical waste (If applicable):</b>	if generated, it is disposed to authorised party
	<b>STP Sludge (Dry sludge):</b>	No STP sludge. it is estimated that 14 TPA dry ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF
	<b>Others if any:</b>	not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	additional 2002 sq. m. will be required for expansion of production activity as per plot layout.
	<b>Area for the storage of waste &amp; other material:</b>	--
	<b>Area for machinery:</b>	--
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	0
	<b>O &amp; M cost:</b>	Rs. 3,00,000

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29.Effluent Charecterestics					
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	--	7.0	6.5-8.5
2	SS	mg/L	--	<10	100
3	BOD 3 days 27 deg. C	mg/L	--	37	100
4	COD	mg/L	--	112	250
5	oil and grease	mg/L	--	04	10
6	TDS	mg/L	--	1537	2100
7	Chlorides	mg/L	--	455	600
8	sulphates	mg/L	--	95	1000
9	% sodium	mg/L	--	623 (0.0623 %)	60%
10	phenolic compound	mg/L	--	0.3	5
11	TAN	mg/L	--	1.0	50
12	chromium (Cr+6)	mg/L	--	<0.1	0.1
13	sulphides (as S)	mg/L	--	<0.5	2.0
14	phosphates (as P)	mg/L	--	<0.5	5.0
15	Bioassay Test	--	--	90 % survival of fish after first 96 hrs. in 100 % effluent.	90 % survival of fish after first 96 hrs. in 100 % effluent.
Amount of effluent generation (CMD):		after expansion 504 CMD			
Capacity of the ETP:		700 CMD			
Amount of treated effluent recycled :		0			
Amount of water send to the CETP:		504 CMD			
Membership of CETP (if require):		Member of CETP Mahad. membership no. : 112			
Note on ETP technology to be used		Effluent stream segregation will be done on the basis of TDS concentration. High TDS stream will be first treated in salt recovery system and recovered water will be treated in 2 stage ETP consisting primary and secondary treatment. An ETP having 700 CMD capacity consisting of primary treatment and Sequential Batch Reactor as secondary treatment is presently employed to treat the effluent. An additional SBR of 250 CMD capacity will be provided.			
Disposal of the ETP sludge		To CHWTSDF or sell to MPCB authorised re-processor.			

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<b>30.Hazardous Waste Details</b>							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	alkali residue	12.2	TPA	20	--	20	CHWTSDF
2	chemicals containing residue from decontamination	33.1	TPA	2.4	2.6	5.0	CHWTSDF
3	used/ spend oil	5.1	TPA	2.4	2.4	4.8	MPCB authorized recycler
4	spent solvent	20.2	TPA	12	12	24	CHWTSDF/ MPCB authorized recycler
5	discarded containers/ barrels / liners/ plastic bags/ PPE	33.3	nos.	120	120	240	CHWTSDF/ MPCB authorized recycler
6	chemical sludge from wastewater treatment	34.3	TPA	7.2	6.8	14	CHWTSDF/ MPCB authorized recycler
7	evaporation salt (NaCl)	37.2	TPA	0	144	144	CHWTSDF/ MPCB authorized recycler
<b>31.Stacks emission Details</b>							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	DG set (500 KVA)	135 L/hour HSD	1	10	0.15	265 C	
2	Scrubber (Process stack)	--	2	16	0.5	59 C	
3	Diesel engine stack-1	22 L/hr HSD	3	6.5	0.1	199 C	
4	Diesel engine stack-2	17 L/hr HSD	4	6	0.07	214 C	
5	Boiler stack	834 Kg/day LDO/ FO	5	30	0.3	160	
6	DG set (200 KVA)	Disconnected	--	--	--	--	
<b>32.Details of Fuel to be used</b>							
Serial Number	Type of Fuel	Existing	Proposed	Total			
1	HSD	174 L/hr	0	174 L/hr			
2	LDO/ FO	0	834 Kg/day	834 kg/day			
Source of Fuel		local vendors					
Mode of Transportation of fuel to site		by road transportation					
<b>33.Energy</b>							

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<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	1375 KW
	<b>DG set as Power back-up during construction phase</b>	500 KVA
	<b>During Operation phase (Connected load):</b>	1850 KW
	<b>During Operation phase (Demand load):</b>	1850 KW
	<b>Transformer:</b>	1000 KVA
	<b>DG set as Power back-up during operation phase:</b>	yes. existing 500 KVA DG will be used.
	<b>Fuel used:</b>	135 L/Hr HSD
	<b>Details of high tension line passing through the plot if any:</b>	Plot is in MIDC, Mahad. No high tension line is passing through the plot

### 34. Energy saving by non-conventional method:

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### 36. Detail calculations & % of saving:

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

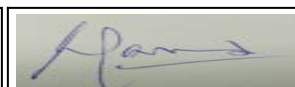
### 37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
process emissions	1 alkali scrubber of 25 Cum/hr capacity is provided .	1 additional alkali scrubber of 50 cum/hr capacity will be provided
boiler emissions	presently no boiler is used in the plant	proposed FO/LDO run boiler will be provided stack as per CPCB guidelines.
DG set emissions	DG set is used in power cut only. Adequate stack height is provided as per guidelines.	no additional DG set is proposed. existing controlling methods will be used
sewage treatment	sewage is mixed with effluent and it is treated in sequencing batch reactor of ETP	existing treatment method will be utilised.
Diesel engine stacks	adequate stack height is provided	no additional diesel engines are proposed. Existing controlling methods will be used
process effluent treatment	A 700 CMD capacity ETP is used consisting of primary treatment and secondary treatment. sequencing batch reactors are employed for better aerobic treatment of the effluent. The treated effluent is discharged to CETP, Mahad MIDC.	effluent stream load segregation will be done on the basis of TDS load. high TDS effluent will be initially treated by a salt recovery system and salt is recovered from process effluent. the remaining low TDS process effluent is further treated in ETP and it will be discharged to CETP, Mahad. additional 250 CMD capacity SBR will be installed to provide higher retention time for secondary treatment which will ensures better effluent treatment.
Noise pollution	Acoustic enclosures, a housing is provided to noise generating equipment. periodic maintenance of equipment is done to reduce noise and vibrations.	additional equipment will be provided with acoustic enclosures to control noise pollution
Solid waste management	Non hazardous waste is sold to authorised scrap vendors. Hazardous waste is disposed to CHWTSDF or sold to MPCB authorised dealers as per HW category.	The existing treatment methods will be continued for additional waste generated. Salt recovered from the salt recovery system will be sold as byproduct.

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	capital cost for additional energy requirement is included in project capital cost.
	<b>O &amp; M cost:</b>	Rs. 5,00,000 for proposed energy requirement

### 38. Environmental Management plan Budgetary Allocation

**SEIAA Meeting No: 115 Meeting Date: February 6, 2018 ( SEIAA-STATEMENT-000000209 )**  
**SEIAA-MINUTES-000000360**  
**SEIAA-EC-000000263**



**Shri Satish.M.Gavai (Member Secretary SEIAA)**

<b>a) Construction phase (with Break-up):</b>				
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>	
1	air pollution control	dust emission-construction of barriers, water sprinkling on emission sources, cement bags will be stored in closed area and handled appropriately., only PUC certified vehicles will be used for transportation of construction materials	2.00	
2	water pollution control	the sewage will be treated in ETP. the waste water which will be generated from construction processes will be treated in existing ETP	0.5	
3	noise pollution control	noise generating operations will be carries out only in daytime. the housing/ barriers will be provided for equipment.	0.5	
4	soil pollution control	land will be kept clean by proper housekeeping. The construction debris will be used for landfilling in the plant premise.	0.5	
5	Occupational health	Workers will be provided PPEs. Safety training will be provided to workers. medical facility and assistance will be provided to workers in emergency.	1.0	
<b>b) Operation Phase (with Break-up):</b>				
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>
1	Air Pollution Control	1 additional alkali scrubber of 50 cum/hr will be provided with appropriate stack height in the expansion phase. 3. The proposed FO/LDO run boiler will be provided stack as per CPCB norms.	15	1.2





2	Water Pollution Control	Effluent stream segregation will be done before treatment. High TDS effluent stream will be treated in salt recovery system and condensate will be mixed with low TDS stream and it will be treated in two stage ETP. Low TDS/COD stream will be treated in two stage ETP consisting of primary and secondary treatment. One additional SBR of 250 CMD capacity will be provided for secondary treatment.	1,00	12
3	Noise Pollution Control	Along with existing control measures, acoustic enclosures will be provided and better equipment maintenance will be done for effective noise pollution control.	-	0.5
4	Environment Monitoring and Management	periodic monitoring will be done inside the plant including ambient air monitoring, work place monitoring, source emission monitoring.	5	12
5	Occupational Health	Periodic safety training, health checkup of employees. Medical facilities are provided to employees.	2	0.5
6	Green Belt	the existing green belt will be maintained properly	--	3
7	Solid Waste Management	Solid hazardous waste will be disposed at CHWTSDf or it will be sold to MPCB authorized recyclers. Non hazardous waste will be disposed through MPCB authorized dealers. The salt which is recovered from high TDS effluent will be sold as byproduct.	--	3
8	Water conservation	RWH tank will be constructed for collection and use of roof top rain water	10	0.25

### 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
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2-Ethyl hexyl chloroformate	Liquid	Drums	30	30	35	Local	road
Pivaloyl chloride	Liquid	Drums	8	8	10	Local	road
Benzoyl chloride	Liquid	Drums	30	30	13.7	Local	road
Isopropyl chloroformate	Liquid	Drums	10	10	1.5	Imported	Sea
Isododecane	Liquid	Drums	15	15	27	Imported	Sea
RAV 7AT	Liquid	Drums	25	25	5	Imported	Sea
Tert. butyhydroperoxide 70 %	Liquid	Drums	45	45	93	Imported	Sea
Hydrogen peroxide 70 %	Liquid	Tank	28	28	32.2	Local	road
Acetic acid	Liquid	Drums	2	2	1.4	Local	road
Sulphuric acid	Liquid	Drums	3	3	9.3	Local	road
Sodium hydroxide (30%)	Liquid	Tank	45	45	198	Local	road
Potassium hydroxide	Solid	Drums	3	3	2.2	Local	road
2-EHCL	Liquid	Drums	16	16	19	Local	road
Neo deconoyl chloride	Liquid	Drums	7.5	7.5	4.5	Local	road
Methanol	Liquid	Drums	12	12	30.3	Local	road
1,1,3,3 tetra methyl butyl Hydroperoxide	Liquid	Cans	12	12	4.5	Imported	Sea
Methyl ethyl ketone	Liquid	Drums	3	3	5.8	Local	road
Alcotex	Liquid	Drums	4	4	1	Imported	Sea
Toluene	Liquid	Drums	14.5	14.5	30.3	Local	road
Dequest 2060 S	Liquid	Drums	1.5	1.5	0.7	Imported	Sea
Isobutyryl Chloride	Liquid	Drums	40	40	93.3	Local	road
Acetyl acetone	Liquid	Drums	7	7	1.1	Imported	Sea
spirdane D60	Liquid	Drums	45	45	29.2	Imported	Sea
HCl 30%	Liquid	Tank	20	20	41	Local	Road
Isononanoyl Chloride	Liquid	Drums	16	16	16.3	Imported	Sea
Cyclohexanone	Liquid	Drums	2	2	1	Imported	Sea
Isononanoic Acid	Liquid	Drums	1	1	0.4	Imported	Sea
TBA	Liquid	Drums	6	6	2.1	Imported	Sea
Diisopropanol Benzene	Liquid	Drums	8	8	8.3	Imported	Sea
Sodium Perchlorate	Liquid	Drums	4	4	4.2	Local	Road
DHP	Liquid	Drums	5	5	4.2	Imported	Sea
Isopar H	Liquid	Drums	24	24	27.7	Imported	Sea

#### 40. Any Other Information

No Information Available

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	<b>CRZ/ RRZ clearance obtain, if any:</b>	not applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Scattered patches of Reserve Forest exist at an aerial distance of more than 5 km from the project site.
	<b>Category as per schedule of EIA Notification sheet</b>	schedule 5(f) category 'B1'
	<b>Court cases pending if any</b>	no
	<b>Other Relevant Informations</b>	--
	<b>Have you previously submitted Application online on MOEF Website.</b>	Yes
	<b>Date of online submission</b>	07-04-2017

**3. The proposal has been considered by SEIAA in its 115th 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:**

<b>I</b>	PP to take utmost care to mitigate the findings of the life cycle analysis to reduce global warming potential and increase the sustainability index.
----------	--

**General Conditions:**

<b>I</b>	(i)PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
<b>II</b>	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.
<b>III</b>	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
<b>IV</b>	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
<b>V</b>	Proper Housekeeping programmers shall be implemented.
<b>VI</b>	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.
<b>VII</b>	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
<b>VIII</b>	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
<b>IX</b>	Arrangement shall be made that effluent and storm water does not get mixed.
<b>X</b>	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.
<b>XI</b>	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.
<b>XII</b>	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.
<b>XIII</b>	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.
<b>XIV</b>	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.
<b>XV</b>	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.
<b>XVI</b>	(The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
<b>XVII</b>	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.
<b>XVIII</b>	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.





<b>XIX</b>	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
<b>XX</b>	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise break-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
<b>XXI</b>	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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a>
<b>XXII</b>	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.
<b>XXIII</b>	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.
<b>XXIV</b>	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 <sub>2</sub> , NO <sub>x</sub> (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.
<b>XXV</b>	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.
<b>XXVI</b>	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 MPCB RAIGAD
10. REGIONAL OFFICE MIDC RAIGAD
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
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भारत सरकार—कॉर्पोरेट कार्य मंत्रालय  
कम्पनी रजिस्ट्रार कार्यालय, पश्चिम बंगाल

नाम परिवर्तन के पश्चात नया निगमन प्रमाण-पत्र

कॉर्पोरेट पहचान संख्या : L24292WB1954PLC021516

मैसर्स ICI INDIA LTD.

के मामले में, मैं एतद्वारा सत्यापित करता हूँ कि मैसर्स  
ICI INDIA LTD.

जो मूल रूप में दिनांक बारह मार्च उन्नीस सौ चौवन को कम्पनी अधिनियम 1956 की धारा 3 के अन्तर्गत एक विद्यमान  
कम्पनी है और मैसर्स Indian Explosives Limited

के रूप में निगमित की गई थी, ने कम्पनी अधिनियम, 1956 की धारा 21 की शर्तों के अनुसार विधिवत आवश्यक विनिश्चय  
पारित करके तथा लिखित रूप में यह सूचित करके की उसे भारत का अनुमोदन, कम्पनी अधिनियम, 1956 की धारा 21 के  
साथ पठित, भारत सरकार, कम्पनी कार्य विभाग, नई दिल्ली की अधिसूचना सं.सा.का.नि. 507 (अ) दिनांक 24.6.1985 एस.  
आर.एन. A78356631 दिनांक 15/02/2010 के द्वारा प्राप्त हो गया है, उक्त कम्पनी का नाम आज परिवर्तित रूप में मैसर्स  
Akzo Nobel India Limited

हो गया है और यह प्रमाण-पत्र, कथित अधिनियम की धारा 23(1) के अनुसरण में जारी किया जाता है।

यह प्रमाण-पत्र, मेरे हस्ताक्षर द्वारा कोलकाता में आज दिनांक पंद्रह फरवरी दो हजार दस को जारी किया गया है।

**GOVERNMENT OF INDIA – MINISTRY OF CORPORATE AFFAIRS**  
**Registrar of Companies, West Bengal**

**Fresh Certificate of Incorporation Consequent upon Change of Name**

Corporate Identity Number : L24292WB1954PLC021516

In the matter of M/s ICI INDIA LTD.

I hereby certify that ICI INDIA LTD. which was originally incorporated on Twelfth day of  
March Nineteen Hundred Fifty Four being an existing company as per Section 3 of the Companies  
Act, 1956 as Indian Explosives Limited having duly passed the necessary resolution in terms of  
Section 21 of the Companies Act, 1956 and the approval of the Central Government signified  
in writing having been accorded thereto under Section 21 of the Companies Act, 1956, read  
with Government of India, Department of Company Affairs, New Delhi, Notification No. G.S.R.  
507 (E) dated 24/06/1985 vide SRN A78356631 dated 15/02/2010 the name of the said company  
is this day changed to **Akzo Nobel India Limited** and this Certificate is issued pursuant to  
Section 23(1) of the said Act.

Given under my hand at Kolkata this Fifteenth day of February Two Thousand Ten.

Seal of the  
Registrar of  
Companies,  
West Bengal

(Sd/-)  
SWADHIN BARUA  
उप कम्पनी रजिस्ट्रार /  
Deputy Registrar of Companies  
पश्चिम बंगाल  
West Bengal

कम्पनी रजिस्ट्रार के कार्यालय अभिलेख में उपलब्ध पत्राचार का पता:

Mailing Address as per record available in Registrar of Companies office:  
Akzo Nobel India Limited  
GEETANJALI APARTMENT, 1<sup>ST</sup> FLOOR, 8-B, MIDDLETON STREET,  
KOLKATA – 700071, WEST BENGAL, INDIA



GOVERNMENT OF INDIA  
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

PCNTDA Green Building, BLOCK A, 1st & 2nd Floor Near Akurdi Railway Station, Akurdi, Pune, Maharashtra,  
India, 411044

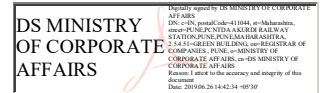
**Certificate of Incorporation pursuant to change of name**  
*[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]*

Corporate Identification Number (CIN): U24100PN2018PTC174373

I hereby certify that the name of the company has been changed from AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED to NOURYON CHEMICALS INDIA PRIVATE LIMITED with effect from the date of this certificate and that the company is limited by shares.

Company was originally incorporated with the name AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED.

Given under my hand at Pune this Twenty sixth day of June two thousand nineteen.



CHEREDDY JAGANADH REDDY

Registrar of Companies

RoC - Pune

---

Mailing Address as per record available in Registrar of Companies office:

NOURYON CHEMICALS INDIA PRIVATE LIMITED

Timeless Building, 2nd Floor, 209/1B/1A,, Range Hills, Pune, Pune, Maharashtra, India, 411020





**MAHARASHTRA POLLUTION CONTROL BOARD**

Tel: 24010706/24010437  
Fax: 24023516  
Website: <http://mpcb.gov.in>  
Email: [cac-cell@mpcb.gov.in](mailto:cac-cell@mpcb.gov.in)



Kalpataru Point, 2nd and  
4th floor, Opp. Cine Planet  
Cinema, Near Sion Circle,  
Sion (E), Mumbai-400022

RED/L.S.I (R22)

No:- Format 1.0/CC/UAN No.0000105321/CR 2104000614

Date: 09/04/2021

To,  
M/s. Nouryon Chemicals India Pvt. Ltd.,  
Plot No. E-18, 19, 20 & C-61 (Part), MIDC Mahad  
Tal:- Mahad, Dist:- Raigad.



Your Service is Our Duty

**Sub: Grant of Renewal of Consent to Operate in RED/LSI Category**

- Ref:**
1. Board has granted Consent to Operate vide Format 1.0/CC/UAN No. 000003495/20030000030 dtd. 12.03.2020 which is valid upto 28.02.2021.
  2. Your application No.MPCB-CONSENT-0000105321 Dated 29.12.2020
  3. Minutes of the 13th Consent committee meeting 1st Sitting dtd. 01.02.2021, 2nd Sitting dtd. 12.02.2021 & 3rd sitting dtd. 25.02.2021.

Your application No.MPCB-CONSENT-0000105321 Dated 29.12.2020

For: grant of Consent to Operate 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 hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to renewal is granted for a period up to 28/02/2026
2. The capital investment of the project is Rs.75.5479 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 69.48 Crs + Increase in C.I. - Rs. 6.06 Crs)
3. Consent is valid for the manufacture of:

Sr No	Product	Maximum Quantity	UOM
Products			
1	Organic Peroxide (Pure)	284.96	MT/M
2	Refilling/Blending of Metal Alkyls (Pure)	141.83	MT/M
3	Sodium Chloride Salt (NaCl)	108	MT/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	496.0	As per Schedule-I	CETP



Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	8.0	As per Schedule-I	On land for gardening

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1	Boiler (11 TPH)	1	As per Schedule -II
2	S-2	Diesel Engine Hydrant	1	As per Schedule -II
3	S-3	Diesel Engine Sprinkler	1	As per Schedule -II
4	S-4	D. G. Set (500 kVA)	1	As per Schedule -II
5	S-5	D. G. Set (200 kVA)	1	As per Schedule -II
6	S-6	Process Stack-I	1	As per Schedule -II
7	S-7	Process Stack -II	1	As per Schedule -II

6. Non-Hazardous Wastes:

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Plastic Waste/Plastic Wrappers/Scrap	144	MT/A	Sale	Sale to Authorized party

7. Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	4.8	MT/A	Recycle	Sale to authorized reprocessor /Recycler
2	12.2 Spent acid and alkali	20	MT/A	Landfil	CHWTSDF
3	20.2 Spent solvents	24	MT/A	Recycle*	Sale to authorized recycler /CHWTSDF
4	33.1 Empty barrels/ containers/liners contaminated with Haz. Chemicals	240	Nos./Y	Reconditioner	Sale to authorized reconditioner
5	34.1 Chemical-containing residue arising from decontamination.	5.0	MT/A	Incineration	CHWTSDF
6	35.3 Chemical sludge from waste water treatment	14	MT/A	Landfil	CHWTSDF
7	37.3 Concentration or evaporation residues	144	MT/A	Recycle*	Sale to authorized recycler / CHWTSDF

[\* Industry shall ensure disposal to the Actual user having permissions under Rule 9 of Hazardous and other Waste (M & TM) Rules, 2016]



Maharashtra Pollution Control Board  
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- 8 The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
- 9 This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
- 10 The applicant shall comply with the conditions of the Environmental Clearance granted vide letter dtd. 26.04.2018.
- 11 The applicant shall not carry out any excess production or produce new products without Consent of the Board and without Environmental Clearance wherever it requires.
- 12 The applicant shall not discharge any effluent in any other source other than the CETP drain for further treatment and disposal.
- 13 Industry shall ensure online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server.
- 14 The applicant shall properly collect, transport & regularly dispose-off the Hazardous Waste to CHWTSDF, in compliance of the Hazardous and other Waste (M & TH) Rule-2016 and keep proper manifest thereof.
- 15 The industry shall obtain necessary permission from the Directorate of Industrial Safety and Health (DISH).
- 16 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)
- 17 This consent is issued pursuant to the decision of the 13th Consent committee meeting 1st Sitting dtd. 01.02.2021, 2nd Sitting dtd. 12.02.2021 & 3rd sitting dtd. 25.02.2021.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary

**Received Consent fee of -**

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	375000.00	MPCB-DR-3644	01/01/2021	NEFT
2	25000.00	MPCB-DR-4129	29/01/2021	NEFT

**Copy to:**

1. Regional Officer, MPCB, Raigad and Sub-Regional Officer, MPCB, Mahad  
- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Sion, Mumbai





**SCHEDULE-I**

**Terms & conditions for compliance of Water Pollution Control:**

1. A) As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 700.00 CMD consisting of Primary Treatment (Collection Tank, Neutralization Tank, Equalization Tank, Primary Clarifier/Primary Settling Tank followed by Salt recovery plant) and Secondary Treatment (Sequential Batch Reactor I, II, III and IV) followed by Treated Water Tank for the treatment of 496.0 CMD of trade effluent.
- B) The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Limiting concentration not to exceed in mg/l, except for pH
(1)	pH	5.5 to 8.5
(2)	Oil & Grease	10
(3)	BOD (3 days 27°C )	100
(4)	Total Suspended solids	100
(5)	Bioassay Test	90 % survival of fish after first 96 hours in 100% effluent
(6)	COD	250
(7)	Chlorides	600
(8)	Sulphates	1000
(9)	% Sodium	60 %
(10)	Phenolic COmpound	5.0
(11)	TAN	50
(12)	Chromium (Cr + 6)	0.10
(13)	Sulphates (as S)	2.0
(14)	Phosphates (as P)	5.0
(15)	Total Dissolved Solids	2100

- C) The treated effluent shall be send to CETP through drainage line provided by MIDC for further treatment and disposal after confirming above standards.
- D) The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.
2. A) As per your application, primary treated sewage connected to Effluent Treatment Plant for further treatment & disposal.
- B) industry shall comply prescribed standards & disposal path as prescribed at Sr. No. 1 B & C of schedule i.





- The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	60.00
2.	Domestic purpose	10.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	470.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	100.0

- The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

**SCHEDULE-II**

**Terms & conditions for compliance of Air Pollution Control:**

- As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO <sub>2</sub> (kg/day)
S-1	Boiler (11 TPH)	Stack	30.0	LDO	834.0 Kg/Day	4.50	30.20
S-2	Diesel Engine Hydrant	Stack	6.0	HSD	18.0 Ltr/Hr	1.00	8.64
S-3	Diesel Engine Sprinkler	Stack	6.0	HSD	18.0 Ltr/Hr	1.00	10.56
S-4	D. G. Set-I (500 kVA)	Acoustic Enclosure	3.5*	HSD	122.0 Ltr/Hr	1.00	58.56
S-5	D. G. Set-II (200 kVA)	Acoustic Enclosure	3.5*	HSD	100.0 Ltr/Hr	1.00	48.00
S-6	Process Stack-I	Alkali Scrubber	10.0	-	--	--	--



Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO <sub>2</sub> (kg/day)
S-7	Process Stack-II	Water Scrubber	10.0	-	--	--	--

(\*- Above roof level)

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
- The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Parameters	Standards	
Total Particulate Matter	Not to exceed	150 mg/ Nm <sup>3</sup>
Acid Mist	Not to exceed	35 mg/ Nm <sup>3</sup>
NH <sub>3</sub>	Not to exceed	35 ppm
SO <sub>2</sub>	Not to exceed	50 ppm

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

**SCHEDULE-III**  
**Details of Bank Guarantees:**

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent to Operate	Rs. 5.0/- Lakh	Existing	Towards compliance of consent condition and O&M of Pollution Control Systems.	28.02.2026	30.06.2026

**\*\*Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

**BG Forfeiture History**

Srno.	Consent (C2E/C2O/C2R)	Amount of BG Imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

**BG Return details**

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				



**SCHEDULE-IV**  
**General Conditions:**

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
  - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
  - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.



# Maharashtra Pollution Control Board

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12. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
13. The PP shall provide personal protection equipment as per norms of Factory Act
14. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
15. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
16. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
17. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
18. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
19. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website ([www.mpcb.gov.in](http://www.mpcb.gov.in)).
20. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
21. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
22. The industry should not cause any nuisance in surrounding area.
23. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
24. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
25. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.



**Maharashtra Pollution Control Board**  
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26. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
27. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
28. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
29. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
30. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
31. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
32. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
33. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the  
Maharashtra Pollution Control Board.

  
(Ashok Shingare IAS),  
Member Secretary



**Maharashtra Pollution Control Board**  
**6070409dc8ae785842a6f975**

## List of Raw material

Description	Total MT/ year
DIALLYLDIGLYCOL CARBONATE(CR39)100%	1.96
TRIS(2,3-DIBL)ISOCYANURATE	93.30
TRIGONOX TMBH-L	58.06
TRIGONOX K-80	3.14
ETHAPOL XS	6.82
TRIGONOX 42S	17.86
DIETHYLENE GLYCOL	9.02
ACETIC ACID 99.5%	23.01
SODIUM HYDROXIDE 30%	933.66
TERT-BUTYL HYDROPEROXIDE 70%	760.22
TOLUENE	154.68
DIETHYLENEGLYCOLBIS(ALLYLCARBONATE	27.92
FATTY ALCOHOL, Ethox, Berol 08 P	1.96
PIVALOYL CHLORIDE	20.07
NEODECANOYL CHLORIDE	120.56
ISOPROPYL CHLOROFORMATE	13.73
2-ETHYLHEXYL CHLOROFORMATE	248.16
ISODODECANE	113.44
MAGNESIUM SULFATE, 2 AQ	58
2-ETHYLHEXANOYL CHLORIDE	272.86
SODIUM SULFATE, Anhydrous	0.69
DEQUEST 2060 S	0.51
SODIUM METABISULFITE	37.57
SODIUM CHLORIDE, Cons	111.15
DIMETHYL PHTHALATE	17.40
METHYL ETHYL KETONE	17.07
SODIUM BICARBONATE	1.36
METHANOL	82.39
HYDROGEN PEROXIDE 70%	82.67
ACETYLACETONE, 2,4-Pentanedione	34.65
SODIUM CARBONATE	0.27
POLYVINYL ALCOHOL, Alcotex 552P	16.45
BENZOYL CHLORIDE	226.40
SULFURIC ACID 25%, Tech Grade	13.14
POTASSIUM HYDROXIDE, Flakes,	34.97
NITROGEN 99.9%, Liquified	25.58



MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION  
(A Govt. Of Maharashtra Undertaking)



No.DE(M)/E-18/ **B14865**  
Office of the Deputy Engineer,  
MIDC, Mahad Sub-Division, Mahad  
Dated : **30.03.2017**

To,

M/s. Akzo Nobel Chemicals India Limited,  
Plot No. E-18,  
MIDC, Mahad Industrial Area.  
Mahad

Sub : Change of companies name & sanctioned of 15mm  
dia water supply connection of plot No. E-18 in  
Mahad Indl. Area.

Ref : 1. Your letter No. Nil dt. 09.02.2017  
2. This office letter No. DE(M)/A79990 dt. 03.03.2017

Dear Sir,

Since you have paid water supply deposit Rs. 26,393/- & misc. charges Ra. 575/- vide receipt No. 09C17\_000689 & 09C17\_000690 dt. 29.03.2017 & accepted all terms & conditions under Water Supply Agreement, 15 mm diameter size of water supply connection is hereby sanctioned, taking in to consideration 11.50m<sup>3</sup> / day requirement. The rate of water supply will be Rs. 25.50 per Cum, till the BCC is obtained, subjected to revision of water rates by MIDC from time to time.

A copy of water supply agreement is enclosed here with for your reference and further needful please.

Thanking you.


Your's faithfully

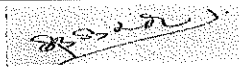
*S. S. Gite*  
20/3/2017  
(S. S. Gite)

Deputy Engineer  
MIDC, Mahad Sub Division, Mahad

Copy submitted to the Executive Engineer, MIDC, Civil Division, Mahad for favour of information.



 <b>Maharashtra Industrial Development Corporation</b> (A Government of Maharashtra Undertaking) (Issued Subject to MIDC's water Supply Regulation 1973) <b>Water Bill</b>		GSTIN: 27AAACM3560C1ZV PAN NO: AAACM3560C		Original for receipt Duplicate for Supplier																																																																																																								
CustGSTIn/PANIN: 27AAQCA4386A1ZL/AAQCA4386A <b>Mahad Industrial Area</b> Consumer No:- DV009/361MHD/301		Bill No :: SI23000464058 Issued Date :: 07-10-2022		Month / Year :: September,2022																																																																																																								
NOURYON CHEMICALS INDIA PVT. LTD  E - 19 & 20, E BlockMIDC MAHAD INDL. ARE		Consumer Type: 1C1 Plot / Shed Area: 66.150.00 Plot / Shed No: <b>E - 19 &amp; 20 ~</b> Block No: <b>E</b> Zone: 17 Cap. Contribution:		Meter Size: 80 Min. Qty/ Day: 40.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Stand Chg:																																																																																																								
Bcc: Yes Office Order : dt: End Dt: CETP: Yes Order No : Dated : Env: Yes Builtup Area : 4,465.00		Carpet Area: 0.00 SSI : N ETP : Y		CETP : Y MPCB : Y																																																																																																								
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<b>LAST PAYMENT DETAILS</b> Rcpt. No 23MAH00001643, 24-09-2022, 413,180.00	
<b>Rupees : Five Lacs Forty Seven Thousand Five Hundred and Ninety Two Only</b> For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV009/361MHD/301	<b>DEPUTY ENGINEER M.I.D.C.</b> Cheque / DD/ PO should be drawn in favour of Executive Engineer MIDC, Mahad Civil Payment Timings : 10:30:00 am to 01:30:00 pm, Closed on Saturdays, Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No. GST No. ....

- \* Please submit your official GST No., email and phone no while paying this bill at receipt counter.
- \* If the bill is not paid before the due date, DPC Amount will be levied in the subsequent month bill
- \* All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only.

**EXECUTIVE COMMITTEE****Chairman Emeritus**

**Mr. Suresh S. Bhonsle**  
suresh.bhonsle@gmail.com  
Mob. 9819830246

**Chairman**

**Mr. Sambhaji B. Pathare**  
M/s. Privi Organics Ltd.  
sbpathare@privi.co.in  
Mob. 9167219216

**Vice Chairman**

**Mr. Ashok N. Talathi**  
M/s. Mars-Chemie Pvt. Ltd.  
ant\_64@rediffmail.com  
Mob. 9423824189

**Secretary**

**Mr. Jayaprakash A. Shetty**  
M/s. Key Organics Pvt. Ltd.  
jayaprakash@indoaminesltd.com  
Mob. 9011015956

**Treasurer**

**Mr. Rajendra A. Sheth**  
M/s. Hikal Ltd.  
rajendra\_sheth@hikal.com  
Mob. 9764442468

**EXECUTIVE MEMBERS**

■ **Mr. Manoj K. Sharma**  
M/s. Sandoz Pvt. Ltd.  
manoj.sharma@sandoz.com  
02145-661300

■ **Mr. Sudhir S. Lokhande**  
M/s. Sudarshan Chemical  
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sslokhande@sudarshan.com  
02145-660288

■ **Mr. Santosh E. Chavan**  
Raireshwar Organic Chem. Pvt. Ltd.  
sechavan@rediffmail.com  
Mob. 9921778484

■ **Mrs. Kalyani K. Guduru**  
Nise Pharma Chem. Pvt. Ltd.  
nisechem@gmail.com  
Mob. 9422096034

**MMA CETP CO-OPERATIVE SOCIETY LTD.**

P-43, MIDC Industrial Area, Mahad, Dist. Raigad Pin 402 309 ( Maharashtra )  
■ Tel. (02145) 232285 ■ email :mma.cetp@mmamahad.com

**AN-ISO CERTIFIED COMPANY**

MMACETP/COR/2018-19/251

Date: 14/03/2019

To,  
The Unit head,  
M/S. AkzoNobel Speciality Chemicals Ltd.  
Plot No- E-18.19 &20, C-61(Part)  
MIDC Area,  
Mahad.

Reference: - Your letter dated 05<sup>th</sup> March 2019.

Subject: - NOC to connect effluent discharge to CETP from plot no. E-18.19 &20, C-61(Part)

Dear Sir,

Please note that your previous MPCB consented discharge is 648 CMD. As per your request, you are decreasing the discharge limited to 504 CMD. With reference to above subject and your letter dated 05<sup>th</sup> March 2019, we have No objection for the connection of your treated effluent 504 CMD from plot no. E-18.19 &20, C-61(Part) to CETP with following conditions,

**Condition No.1:** AkzoNobel Speciality Chemicals Ltd. should provide two days holding facility to hold the treated effluent in their premises in case of any deviation or any maintenance work.

**Condition No.2:** AkzoNobel Speciality Chemicals Ltd. should meet the consent conditions and discharge norms as prescribed by MPCB.

For MMA CETP Co-Operative Society LTD.

Chairman  
(S.B. Pathare)



Quality Management System-iso 9001 :2015  
Environmental Management System ISO:14001:2015  
Occupational health and Safety Management System. OHSAS 18001:2007  
Reg. No : RI 91/9141

Rainwater recharge points



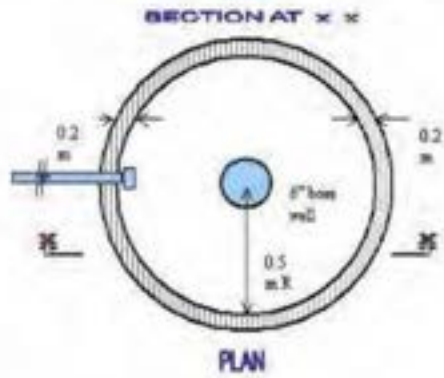
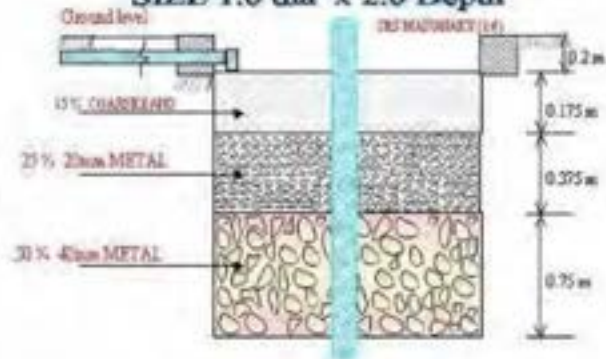
1. Rainwater recharge pit of Warehouse roof



2. Rainwater recharge pit of Building roof

# Rainwater recharge points

## RAIN WATER HARVESTING STRUCTURE AROUND BORE-WELL TYPE - III SIZE 1.0 dia x 2.0 Depth







# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 004, Maharashtra State, India.  
 ☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 \* QCI-NABET Accredited EIA Consultancy



## ANALYSIS TEST REPORT

Report Number	SEETL220003040	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order/Reference	Purchase Order: 4200178543, Dated on-18.01.2022		
Sample Collection Date	23/09/2022	Sample Receipt Date	24/09/2022
Analysis Started On	26/09/2022	Analysis Completed On	29/09/2022
ULR Number	TC-951622000002388F		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62
Environmental Condition Of lab	Temp ° C	24.1	Humidity %
			50
Sampling Point	Bore Well		
Sample Details	Ground Water		
Sample Container	PVC Can	Sample Quantity	2000 ml
Sample Collected By	SEETL Representative		

### Chemical Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500) 2012	Method
1.	pH	7.89	-	6.5 - 8.5	IS 3025 (Part 11) : 2022
2.	TDS	173	mg/lit	500	IS 3025(Part 16) : 1984 RA 2022
3.	Color	<5.0	CU	5.0	IS 3025 (Part - 4 a) - 2021
4.	Odour	Agreeable	-	Agreeable	IS 3025 (Part 5) : 2018
5.	Total Hardness as CaCO <sub>3</sub>	82.00	mg/lit	200.00	IS 3025(Part 21):2009 RA 2019
6.	Turbidity	<1.0	NTU	1.00	IS 3025(Part 10) : 1984 RA 2022
7.	Chlorides as Cl	10.71	mg/lit	250.00	IS 3025 (Part 32):1988 RA 2019
8.	Nitrate as NO <sub>3</sub>	16.39	mg/lit	45.00	APHA 4500 NO <sub>3</sub> -B- 23 <sup>rd</sup> Edition 2017
9.	Total Alkalinity as CaCO <sub>3</sub>	89.25	mg/lit	200	IS 3025(Part 23):1986 RA 2019
10.	Fluorides as F	<0.5	mg/lit	1.0	APHA 4500 F-D-23 <sup>rd</sup> Edition 2017
11.	Sulphate as SO <sub>4</sub>	19.26	mg/lit	200.00	APHA 4500 SO <sub>4</sub> - E -23 <sup>rd</sup> Edition 2017
12.	Ammonia	<0.5	mg/lit	0.5	IS 3025 (Part 34):1988 RA 2019
13.	Cyanide	<0.05	mg/lit	0.05	IS 3025 (Part 27/Sec-1 b): 2021
14.	Calcium as Ca	19.24	mg/lit	75.00	IS 3025 (Part 40):1986 RA 2019
15.	Magnesium as Mg	8.27	mg/lit	30.00	IS 3025 (Part 46) :1994 RA 2019

**Note:** Test results related only to the sample tested.

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: Retention Period of Sample is 15 days from the date of Analysis report.



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar

*Verified by:*

*J. Jalone*

Page 1 of 4

Format No. SEETL/LD/F-72

**BRANCH OFF.** : 310, Dempo Towers, EDC Palto, Panaji-403 001, Goa State, India ☎ : (0832) 2437048 / 2437164  
 E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

**LABORATORY** : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Belim Road, Bardez, Porvorim, Panaji-Goa-403 101.  
 Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379





# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.  
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SAFE WATER

SAFE LIFE

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 • OCI-NABET Accredited EIA Consultancy

## ANALYSIS TEST REPORT

Report Number	SEETL220003040	Report Date	29/09/2022	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
Order / Reference	Purchase Order: 4200178543, Dated on-18.01.2022			
Sample Collection Date	23/09/2022	Sample Receipt Date	24/09/2022	
Analysis Started On	26/09/2022	Analysis Completed On	29/09/2022	
Environmental Condition Of lab	Temp ° C	24.1	Humidity %	50
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Sampling Point	Bore Well			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	2000 ml	
Sample Collected By	SEETL Representative			

### Metal Analysis

Sr.	Element	Concentration	Unit	Limit	Standard
1.	Aluminum as Al	0.0153	mg/lit	0.03	IS 3025 (Part 65) :2022
2.	Arsenic as As	<0.01	mg/lit	0.01	
3.	Cadmium as Cd	<0.0025	mg/lit	0.003	
4.	Barium as Ba	0.0528	mg/lit	0.70	
5.	Boron as B	0.0374	mg/lit	0.50	
6.	Iron as Fe	0.0815	mg/lit	0.30	
7.	Molybdenum as Mo	<0.01	mg/lit	0.07	
8.	Nickel as Ni	0.0149	mg/lit	0.02	
9.	Silver as Ag	<0.01	mg/lit	0.10	
10.	Lead as Pb	<0.01	mg/lit	0.01	
11.	Manganese as Mn	0.0490	mg/lit	0.1	
12.	Selenium as Se	<0.0025	mg/lit	0.01	
13.	Zinc as Zn	0.0618	mg/lit	5	
14.	Mercury as Hg	<0.001	mg/lit	0.001	

**Note:** Test results related only to the sample tested.

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: Retention Period of Sample is 15 days from the date of Analysis report.



Authorized Signatory  
Nilesh Naik

Page 2 of 4

Verified by:  
*Jalence*

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report Number	SEETL220003040	Report Date	29/09/2022	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
Order/Reference	Purchase Order: 4200178543, Dated on-18.01.2022			
Sample Collection Date	23/09/2022	Sample Receipt Date	24/09/2022	
Analysis Started On	26/09/2022	Analysis Completed On	29/09/2022	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	24.2	Humidity %	49
Sampling Point	Borewell			
Sample Details	Ground Water			
Sample Container	Sterile Glass Bottle	Sample Quantity	250 ml	
Sample Collected By	SEETL Representative			

### Microbiological Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	Total coliforms at 37°C for 48 hrs.	Absent	MPN index/100 ml	APHA- (23 <sup>rd</sup> Edition) 9221-B 2017
2.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100 ml	APHA- (23 <sup>rd</sup> Edition)9221-G 2017

**Note :** Test results related only to the sample tested.

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Checked by  
Nilesh Naik

Page 3 of 4

Verified by:  
*[Signature]*

Format No. SEETL/LD/F-72

**BRANCH OFF.** : 310, Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India ☎ : (0832) 2437048 / 2437164  
E-mail : [sadekarenviro@rediffmail.com](mailto:sadekarenviro@rediffmail.com) • Website : [www.sadekarenviro.com](http://www.sadekarenviro.com)

**LABORATORY** : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Belim Road, Bardes, Porvorim, Panaji-Goa-403 101, Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : [starlabgoa@rediffmail.com](mailto:starlabgoa@rediffmail.com) • CIN No. U45209MH1998PTC-116379





# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.  
☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : [prs@sadekarenviro.com](mailto:prs@sadekarenviro.com) / [psadekar5@gmail.com](mailto:psadekar5@gmail.com)

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## ANALYSIS TEST REPORT

Report Number	SEETL220003040	Report Date	29/09/2022	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
Order/Reference	Purchase Order: 4200178543, Dated on-18.01.2022			
Sample Collection Date	23/09/2022	Sample Receipt Date	24/09/2022	
Analysis Started On	26/09/2022	Analysis Completed On	29/09/2022	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	24.1	Humidity %	50
Sampling Point	Bore Well			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	2000 ml	
Sample Collected By	SEETL Representative			

### Chemical Parameters

Sr. No.	Parameters	Results	Unit	IS desirable Limit (As per IS 10500) 2012	Method
1.	Taste	Agreeable	-	Agreeable	IS 3025 (Part 7 & 8)
2.	Anionic Detergents	<0.08	mg/lit	0.2	APHA 5540-C-23 <sup>rd</sup> Edition 2017
3.	Phenolic compound	<0.001	mg/lit	0.001	IS 3025 (Part43/Sec-1 a):2022
4.	Sulfide	<0.05	mg/lit	0.05	APHA 23 <sup>rd</sup> Edition 4500-S2- F- 2017

**Note :** Test results related only to the sample tested.

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: Retention Period of Sample is 15 days from the date of Analysis report.

\*\*\*\*\*END OF THE REPORT\*\*\*\*\*



Checked by  
Nilesh Naik

Page 4 of 4

Format No. SEETL/LD/F-72

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E-mail : [sadekarenviro@rediffmail.com](mailto:sadekarenviro@rediffmail.com) • Website : [www.sadekarenviro.com](http://www.sadekarenviro.com)

**LABORATORY** : B-308/307, Plot No. 61, Patel Estate, Reis Magos, Verens, Alto, Old Bolim Road, Bardes, Porvorim, Panaji-Goa-403 101, Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : [starlabgoa@rediffmail.com](mailto:starlabgoa@rediffmail.com) • CIN No. U45209MH1998PTC-116379



# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 18, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.  
 ☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : [prs@sadekarenviro.com](mailto:prs@sadekarenviro.com) / [psadekar5@gmail.com](mailto:psadekar5@gmail.com)

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## ANALYSIS TEST REPORT

Report No.	SEETL220003058	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Monitoring	22/09/2022	Time of Sampling	Day
ULR No.	-		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Day Time	Noise Limits in dB(A) Leq*
<b>WORK PLACE NOISE LEVEL MONITORING</b>			
1.	Production Building	67.2	90
2.	Day Tank Area	68.2	90
3.	Utility Area	75.2	90
4.	BCP Area	73.2	90
5.	R.S. VI	61.2	90

Method:-IS:9989-1981 (RA 2020)

- NOTE:**1) As per Factory Act Rules, 1963 scheduled XXIV Noise Limit 90dB(A) \*dB(A) Leq denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
 2) A "decibel" is a unit in which noise is measured.  
 3) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
 4) Leq: It is the energy mean of the noise level over a specified period.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*(Signature)*  
 Authorized Signatory  
 Nilesh Naik

*Verified by:*  
*(Signature)*

Format No. SEETL/LD/F-72

Page 1 of 1

**BRANCH OFF:** : 310, Dempo Towers, EDC Palto, Panaji-403 001, Goa State, India ☎ : (0832) 2437048 / 2437164  
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**LABORATORY** : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101, Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : [starlabgoa@rediffmail.com](mailto:starlabgoa@rediffmail.com) • CIN No. U45209MH1998PTC-116379

M/s Nouryon Chemicals India Private Limited  
 (formerly M/s Akzo Nobel India Limited  
 E-18, 19,20 & C-61(Part/Part), MIDC Mahad  
 District-Raigad, Maharashtra

Tree Plantation List:

Sr. No	Name of Tree	No. of tree
1	Sag	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
2	Mango	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
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		28
		29
		30
		31
		32
		33
		34
		35
		36
<b>3</b>	<b>Coconut</b>	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
		13
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		15
		16
		17
		18
		19
		20
		21
		22
		23
		24
<b>4</b>	<b>Palm</b>	1
		2
		3
		4
		5
		6

		7
		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19
5	Sapodilla	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
		13
		14
6	Guava	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
		12
		13
		14
		15
		16
		17
		18
		19

7	Umbar	1
		2
		3
8	Jamun	1
		2
		3
9	Kaju	1
		2
		3
10	Kud	1
11	Ashok	1
		2
		3
		4
		5
		6
		7
		8
		9
		10
		11
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		21
		22
		23
		24
		25
		26
		27
		28
		29
		30
31		
12	Chafa	1
		2
		3
		4

13	Vad	1
14	Kadulimb	1
		2
15	Bhokar	1
		2
		3
		4
		5
		6
		7
16	Ain	1
17	Badam	1
		2
		3
		4
		5
		6
		7
		8
18	Bakuli	1
19	Bor	1
		2
20	Chinch	1
21	Pinpal	1
22	Niv	1
		2
23	Shevar	1
		2
		3
24	Karanj	1
		2
		3
		4
		5
25	Gulmohar	1
		2
		3
		4
25	Mhavyache zad	1
		2
26	Babul	1
		2
27	Subabhul	58
28	Cell area	240
<b>Total</b>		<b>515</b>



FORM 7-A  
(See Rule 18-A)  
Health Register

(In respect of persons employed in factories except workers engaged in dangerous operation and processes or hazardous processes)

# Nouryon Chemicals India Pvt.Ltd.

21/4/22

Plot No. E-18, 19, 20 & C -61(Part/Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra, India.

Sr. No	Department	Name of worker	Sex	Age (last birthday)	Date of employment of present work	Nature of job or occupation	Date of medical examination	Symptoms/ sign observed during examination	Test conducted to Ascertain health of worker	Health status of worker /disease	Signature of registered medical practitioner with date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Maint.	Prakash H More	M	54	01/10/1993	Fitter-Mech	21/4/22	-	Medically fit	fit	<i>[Signature]</i>
2	Prod.	Sunaj M Jangam	M	23	10/10/20	operator	u	-	Medically fit	fit	<i>[Signature]</i>
3	u	Akshay B Atule	M	27	05/02/18	Panel operator	u	-	Medically fit	fit	<i>[Signature]</i>
4	u	Swapnil A Suramit	M	31	01/09/22	Shift-Sup ETP	u	-	Medically fit	fit	<i>[Signature]</i>
5	Logisti	Nandkumar D Tembe	M	49	13/04/12	Store In-charge	u	-	Medically fit	fit	<i>[Signature]</i>
6	Prod.	Manohar M Khoparkar	M	52	15/12/93	Field-oper	u	-	Medically fit	fit	<i>[Signature]</i>
7	u	Prakash S Kank	M	30	02/01/12	ETP operator	u	-	Medically fit	fit	<i>[Signature]</i>
8	QC	Dnyanesh J Kalaji	M	52	10/02/94	QC officer	u	-	Medically fit	fit	<i>[Signature]</i>
9	Prod.	Madhukar N Bendkar	M	58	02/01/1992	Panel operator	u	-	Medically fit	fit	<i>[Signature]</i>
10	Maint.	Nagesh R Kadam	M	30	12/07/16	Electrician	u	-	Medically fit	fit	<i>[Signature]</i>

कारखाने अधिनियम १९४८ वया अधिनियम १९४७ (२) प्रमाणे

सकळ विस्तृतकरिता दिनांक २०/०४/२०२०

पासून २५ ऑक्टो २०२२ पर्यंत

प्राधिकृत प्रमाणकशास्त्रज्ञ डॉ. ए. एस. ए. सी

डॉ. एम. अविनाश

M.B.B.S., A.F.T.H

Reg. No. 61776



FORM7-A  
(See Rule 18-A)  
**Health Register**

(In respect of persons employed in factories except workers engaged in dangerous operation and processes or hazardous processes)

**Nouryon Chemicals India Pvt.Ltd.**

Plot No. E-18, 19, 20 & C -61(Part/Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra, India.

Signature of registered medical practitioner with date (12)	Sr. No (1)	Department (2)	Name of worker (3)	Sex (4)	Age (last birthday) (5)	Date of employment of present work (6)	Nature of job or occupation (7)	Date of medical examination (8)	Symptoms/ sign observed during examination (9)	Test conducted to ascertain health of worker (10)	Health status of worker /disease (11)	Signature of registered medical practitioner with date (12)
<u>[Signature]</u>	11	Maint	Bhagwan A Bhawde	M	57	13/08/91	Fitter/Mech	21/6/22	—	Medically fit.		<u>[Signature]</u>
<u>[Signature]</u>	12	Prod.	Sanjay B Babar	M	54	02/12/92	Field operator	—	—	Medically fit		<u>[Signature]</u>
<u>[Signature]</u>	13	—	Pranit M Patil	M	25	10/10/20	operator	—	—	Medically fit		<u>[Signature]</u>
<u>[Signature]</u>	14	—	Sandip M Kadam	M	49	01/05/95	Prod. Super	—	—	Medically fit.		<u>[Signature]</u>
<u>[Signature]</u>	15	—	Rashmi A. Jadhav	M	32	22/11/12	Prod. Supervisor	—	—	Medically fit.		<u>[Signature]</u>
<u>[Signature]</u>	16	Maint	Rashmi P Madhwal	M	47	24/10/91	Electrician	—	—	Medically fit		<u>[Signature]</u>
<u>[Signature]</u>	17	—	Sandip S Patil	M	53	21/12/93	Inst. operator	—	—	Medically fit		<u>[Signature]</u>
<u>[Signature]</u>	18	Prod.	Dashrath R Patil	M	50	08/07/94	Field operator	—	—	Medically fit.		<u>[Signature]</u>
<u>[Signature]</u>	19	—	Mahesh R Naik	M	53	12/08/91	Panel operator	—	—	Medically fit		<u>[Signature]</u>
<u>[Signature]</u>	20	Maint	Rajam S Dhodre	M	55	24/11/93	Fitter Mechanicle	—	—	Medically fit		<u>[Signature]</u>

कारखाने अधिनियम १९४७ च्या कलम १०(२) अन्वये  
रायगड जिल्हाकरिता दिनांक २६ ऑक्टो. २०२०  
पावून २५ ऑक्टो २०२२ पर्यंत  
प्रधिकृत प्रमाणक शिल्पचित्रक क्र. ACS25-VN/2018

08/6/2022  
M.B.B.S., A.F.I.H  
Reg. No. 61776



FORM 7-A  
(See Rule 18-A)  
Health Register

(In respect of persons employed in factories except workers engaged in dangerous operation and processes or hazardous processes)

# Nouryon Chemicals India Pvt.Ltd.

Plot No. E-18, 19, 20 & C -61(Part/Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra, India.

Sr. No	Department	Name of worker	Sex	Age (last birthday)	Date of employment of present work	Nature of job or occupation	Date of medical examination	Symptoms/ sign observed during examination	Test conducted to Ascertain health of worker	Health status of worker /disease	Signature of registered medical practitioner with
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
21	Peod.	Rajesh T Lad	M	47	01/01/1996	operator ETP	21/04/22	-	Medically	fit	<u>[Signature]</u>
22	Admin	Ashwini S Yogi	F	32	21/10/19	office Admin	u	-	Medically	fit	<u>[Signature]</u>
23	HSES	Sayali R Mahalik	F	30	01/07/19	OHC Asst.	u	-	Medically	fit	<u>[Signature]</u>
24	Maint.	Sunil G Kale	M	38	14/09/21	Fleet. Engg	u	-	Medically	fit	<u>[Signature]</u>
								-	Adv. weight reduction.		<u>[Signature]</u>
25	u	Mahendra M Chitambar	M	50	21/12/95	Electrician	u	-	Medically	fit	<u>[Signature]</u>
26	Peod.	Akhilshuk C Pandey	M	31	26/04/19	operator ETP	u	-	Medically	fit	<u>[Signature]</u>
27	QC	Pradeep B Tomadake	M	49	22/05/07	QC officer	u	-	Medically	fit	<u>[Signature]</u>
28	Peod.	Prakash K Sandal	M	54	11/12/93	field operator	u	-	Medically	fit	<u>[Signature]</u>
29	u	Pandit R Kulkarni	M	57	28/05/91	Panel operator	u	-	Medically	fit	<u>[Signature]</u>
30	Maint.	Ashish D Nimbalkar	M	47	26/09/93	Planner & Technician	u	-	Medically	fit	<u>[Signature]</u>

अधिनियम १७८ का कलम १०(२) प्रमाणित  
राज्य जिल्हाकारिता विभाग २५ ऑक्टो. २०२०  
पासून २५ ऑक्टो २०२२ पर्यंत  
प्राधिकृत प्रमाणन अधिकारी डॉ. A.C.25-VN/2016

M.B.B.S., A.F.T.H  
Reg. No. 61776



FORM7-A  
(See Rule 18-A)  
**Health Register**

(In respect of persons employed in factories except workers engaged in dangerous operation and processes or hazardous processes)

**Nouryon Chemicals India Pvt.Ltd.**

Plot No. E-18, 19, 20 & C -61(Part/Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra, India.

Signature of registered medical practitioner with date (12)	Sl. No (1)	Department (2)	Name of worker (3)	Sex (4)	Age (last birthday) (5)	Date of employment of present work (6)	Nature of job or occupation (7)	Date of medical examination (8)	Symptoms/ sign observed during examination (9)	Test conducted to Ascertain health of worker (10)	Health status of worker /disease (11)	Signature of registered medical practitioner with date (12)	
<u>[Signature]</u>	31	Maint	Prakash C. Dhondige	M	47	17/06/96	Web/box cum filter	21/04/22	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	32	Prod.	Subhash J Chaudhari	M	57	09/03/91	Field operator	-	Adv. Res. B.P. medication	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	33	-	Mangra S. Gorecode	M	30	06/06/19	Shift. Super ETP	-	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	34	-	Milind A. Patil	M	49	03/04/1995	Shift Engg MAFS	-	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	35	Maint	Rakesh H. Surde	M	50	17/01/94	Inst. operator	-	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	36	Logist	Diptak B. Salekar	M	34	30/08/21	Store Invt	21/04/22	R-4 deficiency	He can undertake job & doesn't require colour mixing & colour differentiation.	Medically	fit	<u>[Signature]</u>
<u>[Signature]</u>	37	Prod.	Sumil U. Sankpal	M	50	02/05/1997	Shift Engg MAFS	27/4/22	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	38	QC	Pankaj S. Sheth	M	56	31/05/91	QC officer	-	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	39	-	Kalpesh K. Kadam	M	37	28/08/07	Sec. chemist	23/4/22	-	Medically	fit	<u>[Signature]</u>	
<u>[Signature]</u>	40	Prod.	Suresh D. Patil	M	55	18/12/93	Prod. supervisor	29/4/22	-	Medically	fit	<u>[Signature]</u>	

S.S., A.F.T.H  
51776

प्राप्त २५ ऑक्टो २०२२ पर्यंत  
प्राधिकृत प्रमाणकशास्त्रविकिर्ताक डॉ. ACS25-VN/2016  
M.B.B.S., A.F.T.H  
Reg. No. 61776  
08/6/2022



## Health Register

(In respect of persons employed in factories except workers engaged in dangerous operation and processes or hazardous processes)

## Nouryon Chemicals India Pvt. Ltd.

Plot No. E-18, 19, 20 &amp; C -61(Part/Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra, India.

Sr. No	Department	Name of worker	Sex	Age (last birthday)	Date of employment of present work	Nature of job or occupation	Date of medical examination	Symptoms/ sign observed during examination	Test conducted to Ascertain health of worker	Health status of worker /disease	Signature of registered medical practitioner with No	Dep
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
41	Peod.	Snapnil R Sakpal	M	30	07/12/20	Schedule	29/4/22	-	Medically	fit	<i>[Signature]</i>	
42	Maint	Manik U Kanse	M	42	12/07/07	Mech. Engg	30/4/22	-	Medically	fit	<i>[Signature]</i>	
43	-u	Bhansat D. Shinde	M	52	04/01/91	Electrician	5/5/22	-	Consult ophthalmologist for R.E. & communicate us a report & opinion.		<i>[Signature]</i>	
44	Peod.	Rushikesh S. Gaikwad	M	21	10/10/20	operator	05/5/22	-	Medically	fit	<i>[Signature]</i>	
45	-u	Sushil B More	M	27	01/09/21	Trainee Operator	-u	-	Medically	fit	<i>[Signature]</i>	
46	-u	Parashuram G. Sakpal	M	47	01/01/1996	Field operat	-u	-	Medically	fit	<i>[Signature]</i>	
47	Maint	Dilip S. Tadhar	M	55	05/11/92	Maint-fixer	06/05/22	-	Medically	fit	<i>[Signature]</i>	
48	Peod.	Deepak M Joshi	M	56	09/09/91	Field operator	09/05/22	Colour blindness	Consult Ophthalmologist for colour blindness & communicate us a report & opinion.		<i>[Signature]</i>	
49	-u	Jayesh J. Jadhav		32	02/01/12	operator ETP	13/05/22	-	Medically	fit	<i>[Signature]</i>	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
राज्य मंत्रालय कारिता दिनांक २६ ऑक्टो. २०२०  
पावळ २५ ऑक्टो २०२२ पर्यंत

कारखाने अं.  
राज्य मंत्रालय

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे  
२०

Reg. No. 61776

**MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION**  
**(A Government of Maharashtra Undertaking)**

**HEAD OFFICE** : "Udyog Sarthi", Mahakali Caves Road,  
Andheri (E), Mumbai – 400 093.  
Tele: (022) 26870052/54/27/73 Fax : (022) 26871587  
**PRINCIPAL OFFICE** : 4,4 (A), 12<sup>th</sup> Floor, World Trade Centre, Complex-1,  
Cuffe Parade, Mumbai – 400 005  
Tele : (022) 22151451/52/53 Fax : (022) 22188203



**No. MIDC/FIRE/D-41082**  
**Date: 17/08/2021.**

**M/s. Nouryon Chemicals India Pvt. Ltd.,**  
**Plot No.- E-18, E-19, E-20 & C-61 (Part),**  
**MIDC, Mahad Indl. Area,**  
**Dist. Raigad.**

**Sub: Grant of "Final No Objection Certificate" for construction on**  
**Plot No. E-18, E-19, E-20 & C-61 (Part), MIDC, Mahad Indl.**  
**Area, Dist. Raigad.**

**Ref:** 1) This office Prov. Noc. No. MIDC/Fire/ D30846, Dt: 14/12/2020.  
2) Your application vide no. SWC/21/25/20210803/775450.

Dear Sir,

With reference to the above, a representative of this office visited your factory on 06/08/2021 to the above-mentioned address for inspection of firefighting arrangements provided by you. Since the firefighting arrangements provided by you were found in satisfactory working conditions this office is issuing a "**Final No-Objection Certificate**" to your construction on above mentioned address. The Details of the construction is as under;

Building	Proposed FSI Area
	Ind.
A(TANK)	84.00
B(PANEL 1)	1675.20
C(PANEL 2)	3403.99
<b>Grand Total</b>	<b>5163.19</b>

- The occupant load of above buildings should not exceed in any case as prescribed in Table – 3 of National Building Code- 2016 part IV

As per the provision of Section 3, Sub Section 3 of Maharashtra Fire Prevention and Life Safety Measures Act, 2006, it is the sole responsibility of Owner or Occupier as the case may be, that he/she shall furnish to Chief Fire Officer & Fire Advisor, MIDC or local Fire Station Officer a Certificate in a 'Form B' issued by License Agency twice a year in the Month of January And July regarding maintenance of fire prevention and life safety measures and systems in good repair and efficient working condition.

Following Statutory Provisions under Maharashtra Fire Prevention and Life Safety Measures Act, 2006, should be adhered.

1. Under **Section 3** of "**Maharashtra Fire Prevention and Life Safety Measures Act, 2006**" (hereinafter referred to as "said Act"). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. It is presumed that you have completed the work adhering to the provisions under **Section-3** of the said Act.
3. Under **sub-section (3) of Section 3**, it is responsibility of the Owner or the Occupier as the case maybe, shall furnish to The Chief Fire Officer or nominated officer a Certificate in a prescribed form twice a year in the Month of January & July regarding maintenance of fire prevention and life safety measure in good repair and efficient condition as specified in **sub-section (1)**.

4. Under **sub section (4) of Section 3**, no person shall tamper with, alter, remove or cause any injury or damage to any fire prevention and life safety equipment installed in any such building or part thereof or instigate any other person to do so.
5. The inspection was carried out from fire safety point of view; however certain deviations in as built conditions vis-à-vis approved plans shall be subject to scrutiny & approval of concern special Planning Authority.

**The Fire Extinguishers & other safety system installed by you in the factory premises shall be well maintained & shall be kept in tip-top working condition at all the time. If the fire protection system is not maintained, retrenched then this "N.O.C." will stand cancelled without any notice & you will be solely responsible to loss of life or property if any, which may please be noted.**

As per Office Order No. MIDC/Fire Dept/1078 dated 12/07/06 and Office Order No. 768 dated. 23/04/2007, M/s. Nouryon Chemicals India Pvt. Ltd., had paid "Fire Protection & Scrutiny Fund Fees" & Additional Fire protection Fund Fees amounting to Rs. 50,000/- vide Challan No. MCH/7567/2020, Dt 23.12.2020.

The undersigned reserves right to amend any additional recommendations deemed fit during the stage wise inspection due to the statutory provisions amended from time to time and in the interest of the protection of the company.

Thanking you

Yours faithfully,

**Santosh**  
**S Warick**  
Digitally signed  
by Santosh S  
Warick  
Date: 2021.08.17  
16:41:17 +05'30'

**(S. S. Warick)**  
**Chief Fire Officer & Fire Advisor,**  
**MIDC, Mumbai-400093.**

**Copy to The Executive Engineer, MIDC Mahad Division for information please.**



**Manifest For Hazardous And Other Waste**

Submitted Date : 20-05-2022

**Apply as Generator**

<b>Unit Name</b>	<b>Plant Name</b>	<b>Submit To</b>
Nouryon Chemicals India Private Limited	MAHAD	SRO-Mahad

<b>Sender name and mailing address (including phone no. and email.)</b>			
<b>Sender Name</b>	<b>Sender Address</b>	<b>Sender Mobile No.</b>	<b>Sender Email</b>
Nouryon Chemicals India Private Limited	Plot E -18,19,20 and C-61 (Part/Part), MIDC Industrial Area Mahad	9975586958	dhananjay.page@nouryon.com

<b>Sender authorisation No</b>	<b>Manifest Document No</b>	<b>Membership No (If any)</b>
CC/UAN No. 0000105321/CR 2104000614	MPCB-HW_MANIFEST-0000225828	MWML-HZW-MHD-4491

<b>Transporter's name and address (including phone no. and email.)</b>				
<b>Transporter Name</b>	<b>Vehicle No.</b>	<b>Transporter Address</b>	<b>Transporter Mobile No.</b>	<b>Transporter Email</b>
M/s Shree Road Line, Near Shree Petrol Pump, Mumbai Goa Highway, Nagalwadi Phata, Nadgaon, Taluka Mahad, Dist-Raigad	MH-04/CU-1875	Nangalwadi Mahad	8888189714	dineshshivde123@gmail.com

<b>Waste Disposal Details</b>												
<b>Sr No</b>	<b>Date</b>	<b>Waste Category</b>	<b>Waste Name</b>	<b>Waste QTY</b>	<b>Waste Unit</b>	<b>Waste Disposal To</b>	<b>Facility</b>	<b>State</b>	<b>Name of unit</b>	<b>Address of unit</b>	<b>Contact of unit</b>	<b>Email of unit</b>
1	20-05-2022	20.2 Spent solvents	Spent solvent	1.65	MT	Recycler		Maharashtra	Kusum Distillation and refining private limited	MIDC Kurkumbh	9822517621	kusumchem1@gmail.com
<b>Number of Containers</b>				<b>Physical Form</b>				<b>Special Handling Instructions And Additional Information</b>				
11				Liquid				Use appropriate PPE				



## Manifest For Hazardous And Other Waste

Submitted Date : 20-05-2022

### Apply as Generator

Unit Name	Plant Name	Submit To
Nouryon Chemicals India Private Limited	MAHAD	SRO-Mahad

Sender name and mailing address (including phone no. and email.)			
Sender Name	Sender Address	Sender Mobile No.	Sender Email
Nouryon Chemicals India Private Limited	Plot No.E-18,19,20 & C-61(Part/Part) MIDC Area, Mahad-Raigad,402302 Maharashtra India	9975586958	dhananjay.page@nouryon.com

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No. 0000105321/CR 2104000614	MPCB-HW_MANIFEST-0000225815	MWML-HZW-MHD-4491

Transporter's name and address (including phone no. and email.)				
Transporter Name	Vehicle No.	Transporter Address	Transporter Mobile No.	Transporter Email
M/s Shree Road Line, Near Shree Petrol Pump, Mumbai Goa Highway, Nagalwadi Phata, Nadgaon, Taluka Mahad, Dist-Raigad	MH-04/CU-1875	Nangalwadi Mahad	8888189714	dineshshivde123@gmail.com

Waste Disposal Details												
Sr No	Date	Waste Category	Waste Name	Waste QTY	Waste Unit	Waste Disposal To	Facility	State	Name of unit	Address of unit	Contact of unit	Email of unit
1	20-05-2022	5.1 Used or spent oil	Used spent oil	2.85	MT	Recycler		Maharashtra	Lubstar Petrochem Industries	Plot No C 29 MIDC Mahad	9226847366	lubstar_oil@rediffmail.com
Number of Containers				Physical Form				Special Handling Instructions And Additional Information				
6				Liquid				Use appropriate PPE				



# Maharashtra Pollution Control Board

## महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

### FORM FOR FILING ANNUAL RETURNS

[ To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

**Unique Application Number:**

MPCB-HW\_ANNUAL\_RETURN-0000029235

**Submitted On:**

26-06-2022

**Submitted for Year:**

April 2021 to March 2022

**1. Name of the generator/operator of facility Address of the unit/facility**

Nouryon Chemicals India Private Limited

Plot no. E-18,19,20 & C-61 (Part/Part), MIDC Area Mahad

**1b. Authorization Number**

CC/UAN No. 0000105321/CR2104000614

**Date of issue**

Apr 9, 2021

**Date of validity of consent**

Feb 28, 2026

**2. Name of the authorised person**

Amit M.Salagare

**Full address of authorised person**

Nouryon Chemicals India Private Limited,Plot no. E-18,19,20 & C-61 (Part/Part), MIDC Area Mahad

**Telephone**

904917339

**Fax**

02145232148

**Email**

amit.salagare@nouryon.com

**3. Production during the year (product wise), wherever applicable**

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	Organic Peroxide	3419.5200	1492	MT/A
Chemical ,Petrochemical &Electrochemical	Metal Alkyls	1701.9600	384.8	MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Chloride Salt	1296.0000	244.6	MT/A

### PART A: To be filled by hazardous waste generators

**1. Total Quantity of waste generated category wise**

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
35.3 Chemical sludge from waste water treatment	ETP Sludge	14.000	7.74	MTA
34.1 Chemical-containing residue arising from decontamination.	Chemical containing residue	5.000	4.09	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty paint tin	240.000	63	numbers/anum
5.1 Used or spent oil	Spent oil	4.800	4.15	MTA
20.2 Spent solvents	Spent solvent	24.000	2.52	MTA

**2. Quantity dispatched category wise.**

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
35.3 Chemical sludge from waste water treatment	7.74	MTA	Disposal Facility	Mumbai Waste Management Limited



34.1 Chemical-containing residue arising from decontamination.	4.09	MTA	Disposal Facility	Mumbai Waste Management Limited
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	63	numbers/anum	Disposal Facility	Mumbai Waste Management Limited
5.1 Used or spent oil	4.15	MTA	Recycler or Actual user	Lubstar Petrochem Industries
20.2 Spent solvents	2.52	MTA	Recycler or Actual user	Kusum Distillation and refining private limited

### 3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

### 4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	0	KL/Anum

## PART B: To be filled bt Treatment,storage, and disposal facility operators

### 1.Total Quantity received

UOM	State Name
NA	KL/Anum Other

### 2. Quantity in stock at the beginning of the year

UOM
NA

### 3. Quantity treated

UOM
NA

### 4. Quantity disposed in landfills as such and after treatment

Direct landfilling	UOM
NA	KL/Anum

Landfill after treatment	UOM
NA	KL/Anum

5. Quantity incinerated (if applicable)	UOM
NA	KL/Anum

6. Quantiry processed other than specified above	UOM
NA	KL/Anum

7. Quantity in storage at the end of the year.	UOM
NA	KL/Anum

## PART C: To be filled by recyclers or co-processors or other users

### 1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	NULL	Other	NA	NA	KL/Anum

### 2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

### 3. Quantity of waste recycled or co-procesed or used

Name of Waste	Type of Waste	Quantity	UOM
NA	NA	NA	KL/Anum

### 4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

6. Total quantity of waste disposed

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

<b>Waste name/category</b>	<b>quantity</b>	<b>UOM</b>
NA	NA	KL/Anum

Personal Details

<b>Place</b>	<b>Date</b>	<b>Designation</b>
Mahad	2022-06-25	SITE MANAGER

**Nouryon Chemicals India Private Limited**  
**Emergency Drill Report**

F-HSE-02

<b>Sr. No.</b>	<b>Check point</b>	<b>Observation</b>
1	Drill No.	2022/Emergency preparedness Drill/01
2	Date of mock drill	16.06.2022
3	Time	16.45 hrs
4	Location	R.S.IV Production Building
5	Description of emergency	Decomposition of Organic peroxide in intermediate cold storage leading to fire and unconsciousness of employee due to inhalation of vapors
6	First observer of Incidence	Production supervisor
7	Emergency siren raised at	16.45 hrs
8	All clear siren raised at	17.11 hrs
9	Chief incident controller reporting time	16.46 hrs
10	Site controller name Reporting time	Vinayak Angal 16.46 hrs
11	Incident controllers name	Roshan Jadhav (Shift Supervisor)
12	Emergency control room coordinator Reporting time	D K Page (Logistics Manager) 16.48 Hrs
13	Assembly point 1, in charge	D P Thakur (SRE)
14	Assembly point 2, in charge	Security Supervisor Malusare
15	Emergency team members	Production field operator,
16	First aider	Pradip Tandalekar (QC Chemist)
17	Duties performed by the security in charge	<ul style="list-style-type: none"> <li>• Closed site entrance gate</li> <li>• Arranged personnel of Assembly point in rows and checked head count.</li> <li>• Locked incoming phone calls.</li> </ul>
18	Details of Emergency actions	<ul style="list-style-type: none"> <li>• Production supervisor observed the decomposition of Organic Peroxide in intermediate cold storage R S IV and raised Emergency Siren.</li> <li>• Chief Incident Controller and Incident Controller visited location.</li> <li>• Production field operator used SCBA and rescued the affected employee.</li> <li>• First aider applied CPR to affected person.</li> <li>• The affected person was shifted at OHC on stretcher for further treatment</li> <li>• Emergency team members applied water via hydrant system to control the</li> </ul>

		<p>decomposition</p> <ul style="list-style-type: none"> <li>• Health status was monitored by nurse at OHC till the time the patient was shifted to hospital.</li> <li>• Chief Incident controller asked to Emergency control room coordinator for calling MIDC Fire tender and Ambulance.</li> <li>• The issued PTW suspended and submitted with Assembly point incharge, evacuation of Site personnel checked.</li> <li>• MIDC Fire tender reached at Site and emergency actions initiated by fire fighter team.</li> <li>• Ambulance arrived at Site and casualty shifted at MMA Hospital for further treatment.</li> </ul>
19	Whether head count was tallied with gate entries?	<ul style="list-style-type: none"> <li>• Head count matched</li> </ul>
20	Was external help was called? Give details?	<ul style="list-style-type: none"> <li>• Called MIDC Fire tender and Ambulance with team. The response time to reached at Site within Four minute.</li> </ul>
21	<p><u>Positive observations during the emergency</u></p> <ul style="list-style-type: none"> <li>• The Shift supervisor and field operators were available for the help at location.</li> <li>• All contract workers assembled at Assembly point 1 &amp; 2.</li> <li>• All the site key personnel shifted there walky talky sets on channel No. 1</li> <li>• Expected actions as per site emergency plans were taken by key personnel.</li> <li>• The information of Emergency immediately given to Chief Incident Controller</li> <li>• Emergency evacuation route checked for emergency exit.</li> <li>• Described the details about Emergency and mitigation actions who assembled at Assembly point.</li> <li>• Information about product safety requirements, site safety system including fire detection, protection and fire fighting arrangements given to MIDC fire fighting team.</li> </ul>	
22	<p><u>Improvement areas noticed with respective to the plan</u></p> <ul style="list-style-type: none"> <li>• Not connected on MIDC Fire station landline number due to connectivity issue, contacted on Mobile number.</li> <li>• To discuss the observations in Site management Team meeting to check possible improvement actions.</li> <li>• Walky talky communication disturbances</li> <li>• To review sprinkler system checks of R.S.IV for prompt activation</li> <li>• Inadequate guidance from security team to fire tender about incident location and access route.</li> </ul>	

	<ul style="list-style-type: none"><li>• Repeater siren at office was not loud and clear.</li></ul>
<b>23</b>	<p><u>Action plan for improvement</u></p> <ol style="list-style-type: none"><li>1. To arrange new walky talky at earliest (CAPEX is approved)</li><li>2. To conduct checks of office repeater siren</li><li>3. To conduct awareness training to security team</li><li>4. SCBA operation training</li><li>5. Emergency team member to train for using respiratory protection system</li></ol>

Amit Salagare  
**Chief incident controller**

Sanjay Salunke  
**Observer**

Vinayak Angal  
**Site controller**

Pictures of Emergency Drill



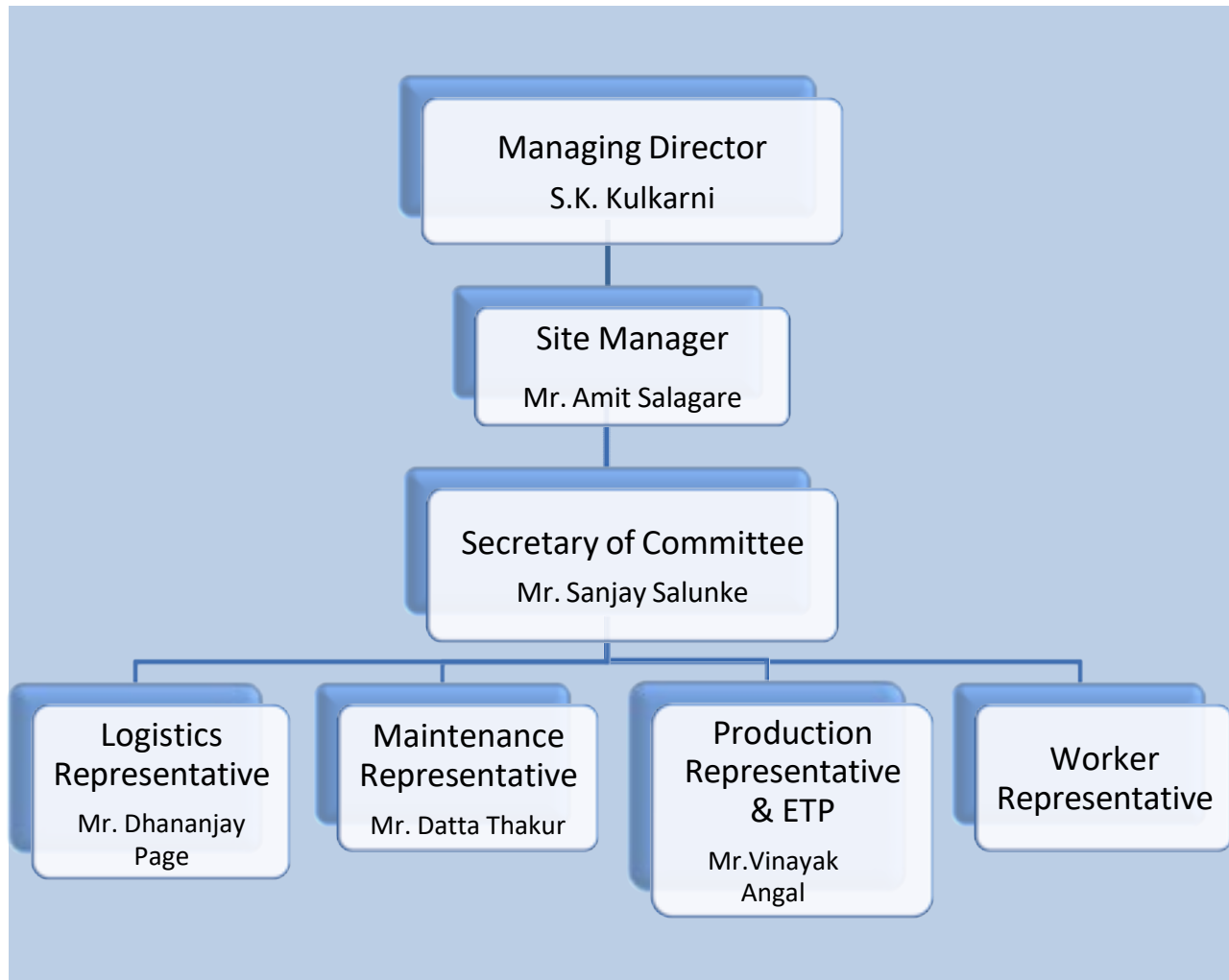








M/s Nouryon Chemicals India Pvt. Ltd.  
(Formerly M/s Akzo Nobel India Limited)  
E- 18, 19, 20 & C-61 (Part), MIDC Mahad,  
District Raigad, Maharashtra.



**Schematic Representation of organizational structure of Environment Management**



ULR NO: TC051502100000950F

**TEST REPORT****NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO :SAL/FM/61/NCIM/WW(22-23-0166)

REPORT DATE : 04/05/2022

CUSTOMER REF :4200112043

REF DATE : 09/02/2021

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0166)  
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 27/04/2022  
 SAMPLE RECEIPT DATE: 28/04/2022  
 ANALYSIS START DATE : 28/04/2022  
 ANALYSIS COMPLETE DATE: 04/05/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB

SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	pH	-	7.61	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	26	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	2002	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	214	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	65	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	756	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	464	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	2.12	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	0.02	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	3.7	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by



Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
 Authorized Signatory

**END OF REPORT**

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
2. This report is confidential & cannot be re-produced in part or full without permission of SKYLAB Analytical Laboratory.
3. Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.

**TEST REPORT**

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
Plot E- 18,19,20 & C-61(Part)  
Mahad, Dist.- Raigad,  
Maharashtra, INDIA

REPORT NO :SAL/FM/61/NCIM/WW(22-23-0166)  
REPORT DATE : 04/05/2022  
CUSTOMER REF :4200112043  
REF DATE : 09/02/2021

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0166)  
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019  
SAMPLING DATE : 27/04/2022  
SAMPLE RECEIPT DATE: 28/04/2022  
ANALYSIS START DATE : 28/04/2022  
ANALYSIS COMPLETE DATE: 04/05/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
SAMPLE SPECIFICATION: Waste Water  
SAMPLE COLLECTED BY: SKYLAB  
SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit <sup>a</sup>	Reference Method
1	Bioassay Test	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	8.6	60	IS 3025 (Part 45), RA 2014: 1993

<sup>a</sup>: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by



Mr. Atul Shahane  
Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
Authorized Signatory

**END OF REPORT**

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
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ULR NO: TC0515022000001643F

### TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0291)  
 REPORT DATE : 03/06/2022  
 CUSTOMER REF : Verbal  
 REF DATE : NA

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0291)  
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 30/05/2022  
 SAMPLE RECEIPT DATE : 31/05/2022  
 ANALYSIS START DATE : 31/05/2022  
 ANALYSIS COMPLETE DATE : 03/06/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
 SAMPLE SPECIFICATION: Waste Water  
 SAMPLE COLLECTED BY: SKYLAB  
 SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	pH	-	7.29	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	85	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1976	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	205	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	70	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	5.6	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	809	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	266	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	1.12	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	3	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by



Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
 Authorized Signatory

END OF REPORT

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.
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3. Any attempt of forgery or misleading use of this report by any person/organization etc will attract suitable legal action against them by SkyLab Analytical Laboratory.

## TEST REPORT

<b>NAME &amp; ADDRESS OF CUSTOMER:</b>	<b>REPORT NO</b> : SAL/FM/61/NCIM/WW(22-23-0291)
M/s. Nouryon Chemicals India Pvt. Ltd.	<b>REPORT DATE</b> : 03/06/2022
Plot E- 18,19,20 & C-61(Part)	<b>CUSTOMER REF</b> : Verbal
Mahad, Dist.- Raigad,	<b>REF DATE</b> : NA
Maharashtra, INDIA	

<b>SAMPLE TYPE:</b>	<b>EFFLUENT WATER ANALYSIS</b>
<b>SAMPLE REGISTRATION NO.</b> : WW(22-23-0291)	<b>LOCATION</b> : ETP Outlet
<b>SAMPLING PLAN&amp; METHOD NO.:</b> IS 3025 Part 1:1987 RA 2019	<b>SAMPLE SPECIFICATION:</b> Waste Water
<b>SAMPLING DATE</b> : 30/05/2022	<b>SAMPLE COLLECTED BY:</b> SKYLAB
<b>SAMPLE RECEIPT DATE</b> : 31/05/2022	<b>SAMPLE QUANTITY</b> : 2 Ltrs
<b>ANALYSIS START DATE</b> : 31/05/2022	
<b>ANALYSIS COMPLETE DATE</b> : 03/06/2022	

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	Bioassay Test	%	91	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	8.4	60	IS 3025 (Part 45), RA 2014: 1993

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by



**M. Atul Shahane**  
Chemist



For SKYLAB ANALYTICAL LABORATORY



**Mr. S. B. Pansare**  
Authorized Signatory

**END OF REPORT**

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ULR NO: TC051502200002240F

### TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0374)  
 REPORT DATE : 25/06/2022  
 CUSTOMER REF : 4200175518  
 REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0374)  
 SAMPLING PLAN& METHOD NO.: IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 16/06/2022  
 SAMPLE RECEIPT DATE : 17/06/2022  
 ANALYSIS START DATE : 17/06/2022  
 ANALYSIS COMPLETE DATE : 25/06/2022

**EFFLUENT WATER ANALYSIS**


LOCATION : ETP Outlet  
 SAMPLE SPECIFICATION: Waste Water  
 SAMPLE COLLECTED BY: SKYLAB  
 SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit <sup>a</sup>	Reference Method
1	pH	-	7.86	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	24	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1762	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	229	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	54.1	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	6.2	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	38.73	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	511	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	0.56	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	1.21	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

<sup>a</sup>: As per MPCB Consent


**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by

  
 Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY

  
 Mr. S. B. Pansare  
 Authorized Signatory

END-OF REPORT

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### TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0374)  
 REPORT DATE : 25/06/2022  
 CUSTOMER REF : 4200175518  
 REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0374)  
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 16/06/2022  
 SAMPLE RECEIPT DATE : 17/06/2022  
 ANALYSIS START DATE : 17/06/2022  
 ANALYSIS COMPLETE DATE : 25/06/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
 SAMPLE SPECIFICATION: Waste Water  
 SAMPLE COLLECTED BY: SKYLAB  
 SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit <sup>*</sup>	Reference Method
1	Bioassay Test	%	90	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	7.6	60	IS 3025 (Part 45), RA 2014: 1993

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.


Verified by



Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
 Authorized Signatory

**END OF REPORT**

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ULR NO: TC0515022000002812F

### TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
Plot E- 18,19,20 & C-61(Part)  
Mahad, Dist.- Raigad,  
Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0496)  
REPORT DATE : 22/07/2022  
CUSTOMER REF : 4200175518  
REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0496)  
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019  
SAMPLING DATE : 12/07/2022  
SAMPLE RECEIPT DATE : 13/07/2022  
ANALYSIS START DATE : 13/07/2022  
ANALYSIS COMPLETE DATE : 22/07/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
SAMPLE SPECIFICATION: Waste Water  
SAMPLE COLLECTED BY: SKYLAB  
SAMPLE QUANTITY :2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit <sup>#</sup>	Reference Method
1	pH	-	7.57	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	34	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1948	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	220	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	76	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	5.6	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	41.7	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	413	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	2.24	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	2.17	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

<sup>#</sup>: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by



Mr. Atul Shahane  
Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
Authorized Signatory

END OF REPORT

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### TEST REPORT

<b>NAME &amp; ADDRESS OF CUSTOMER:</b>	<b>REPORT NO</b> : SAL/FM/61/NCIM/WW(22-23-0496)
M/s. Nouryon Chemicals India Pvt. Ltd.	<b>REPORT DATE</b> : 22/07/2022
Plot E- 18,19,20 & C-61(Part)	<b>CUSTOMER REF</b> : 4200175518
Mahad, Dist.- Raigad,	<b>REF DATE</b> : 05/01/2022
Maharashtra, INDIA	

<b>SAMPLE TYPE:</b>	<b>EFFLUENT WATER ANALYSIS</b>
<b>SAMPLE REGISTRATION NO.</b> : WW(22-23-0496)	<b>LOCATION</b> : ETP Outlet
<b>SAMPLING PLAN&amp; METHOD NO.:</b> IS 3025 Part 1:1987 RA 2019	<b>SAMPLE SPECIFICATION:</b> Waste Water
<b>SAMPLING DATE</b> : 12/07/2022	<b>SAMPLE COLLECTED BY:</b> SKYLAB
<b>SAMPLE RECEIPT DATE</b> : 13/07/2022	<b>SAMPLE QUANTITY</b> : 2 Ltrs
<b>ANALYSIS START DATE</b> : 13/07/2022	
<b>ANALYSIS COMPLETE DATE</b> : 22/07/2022	

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	Bioassay Test	%	92	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.5	60	IS 3025 (Part 45), RA 2014: 1993

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by  
  
 Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY  
  
 Mr. S. B. Pansare  
 Authorized Signatory

### END OF REPORT

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ULR NO: TC0515022000005108F

**TEST REPORT**

**NAME & ADDRESS OF CUSTOMER:**  
 M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

**REPORT NO** : SAL/FM/61/NCIM/WW(22-23-0697)  
**REPORT DATE** : 30/08/2022  
**CUSTOMER REF** : 4200175518  
**REF DATE** : 05/01/2022

**SAMPLE TYPE:**

**SAMPLE REGISTRATION NO.** : WW(22-23-0697)  
**SAMPLING PLAN & METHOD NO.** : IS 3025 Part 1:1987 RA 2019  
**SAMPLING DATE** : 24/08/2022  
**SAMPLE RECEIPT DATE** : 26/08/2022  
**ANALYSIS START DATE** : 26/08/2022  
**ANALYSIS COMPLETE DATE** : 30/08/2022

**EFFLUENT WATER ANALYSIS**

**LOCATION** : ETP Outlet  
**SAMPLE SPECIFICATION:** Waste Water  
**SAMPLE COLLECTED BY:** SKYLAB  
**SAMPLE QUANTITY** : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	pH	-	7.50	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	84	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1997	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	106	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	26.5	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	5.4	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO4	mg/L	311	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	534	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	1.12	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	0.92	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

\* As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by

Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare  
 Authorized Signatory

**END OF REPORT**

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**TEST REPORT**

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0697)  
 REPORT DATE : 30/08/2022  
 CUSTOMER REF : 4200175518  
 REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0697)  
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 24/08/2022  
 SAMPLE RECEIPT DATE : 26/08/2022  
 ANALYSIS START DATE : 26/08/2022  
 ANALYSIS COMPLETE DATE : 30/08/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
 SAMPLE SPECIFICATION: Waste Water  
 SAMPLE COLLECTED BY: SKYLAB  
 SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	Bioassay Test	%	92	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.0560	60	IS 3025 (Part 45), RA 2014: 1993

\*: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by

Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare  
 Authorized Signatory

**END OF REPORT**

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ULR NO: TC051502200006517F

### TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
Plot E- 18,19,20 & C-61(Part)  
Mahad, Dist.- Raigad,  
Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0807)  
REPORT DATE : 28/09/2022  
CUSTOMER ID : 4200175518  
REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0807)  
SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019  
SAMPLING DATE : 13/09/2022  
SAMPLE RECEIPT DATE : 16/09/2022  
ANALYSIS START DATE : 16/09/2022  
ANALYSIS COMPLETE DATE : 20/09/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
SAMPLE SPECIFICATION: Waste Water  
SAMPLE COLLECTED BY: SKYLAB  
SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit <sup>a</sup>	Reference Method
1	pH	-	7.50	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	14	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	1986	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	141	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	31.3	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39)
7	Sulphate, SO <sub>4</sub>	mg/L	340	1000	IS 3025 (Part 24)
8	Chloride	mg/L	445	600	IS 3025 (Part 32)
9	Ammonical Nitrogen	mg/L	<0.5	50	IS 3025 (Part 34)
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43)
11	Phosphate (total)	mg/L	<0.1	5	IS 3025 (Part 31)
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29)
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52)

<sup>a</sup>: As per MPCB Consent

**Opinion/Observation:** Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by

for  
*Atul Shahane*

Mr. Atul Shahane  
Chemist



For SKYLAB ANALYTICAL LABORATORY

*S. B. Pansare*

Mr. S. B. Pansare  
Authorized Signatory

END OF REPORT

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## TEST REPORT

**NAME & ADDRESS OF CUSTOMER:**

M/s. Nouryon Chemicals India Pvt. Ltd.  
 Plot E- 18,19,20 & C-61(Part)  
 Mahad, Dist.- Raigad,  
 Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(22-23-0807)  
 REPORT DATE : 28/09/2022  
 CUSTOMER REF : 4200175518  
 REF DATE : 05/01/2022

**SAMPLE TYPE:**

SAMPLE REGISTRATION NO. : WW(22-23-0807)  
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019  
 SAMPLING DATE : 13/09/2022  
 SAMPLE RECEIPT DATE : 16/09/2022  
 ANALYSIS START DATE : 16/09/2022  
 ANALYSIS COMPLETE DATE : 28/09/2022

**EFFLUENT WATER ANALYSIS**

LOCATION : ETP Outlet  
 SAMPLE SPECIFICATION: Waste Water  
 SAMPLE COLLECTED BY: SKYLAB  
 SAMPLE QUANTITY : 2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	Bioassay Test	%	92	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.043	60	IS 3025 (Part 45)

\*: As per MPCB Consent

Opinion/Observation: Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by

For  


Mr. Atul Shahane  
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare  
 Authorized Signatory

**END OF REPORT**

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**To Whom it May Concern**

This is to declare that Nouryon Chemicals India Private Limited (Formerly known as Akzo Nobel India Limited), Plot No E- 18,19,20 and C-61 (Part), MIDC Mahad has been accorded Environmental Clearance, Vide No. 0000000263 Dated 26/04/2018 from State Environment Impact Assessment Authority for setting up project.

The copy of Environmental Clearance letter is available on Environment Department, Government of Maharashtra website : [https:// ecpmcb.in](https://ecpmcb.in)

Nouryon Chemicals India Private Limited  
(Formerly Known as Akzo Nobel India Limited)  
Plot No E- 18, 19,20 and C- 61 (part)  
MIDC Mahd, 402302

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**जाहीर सूचना**

संबंधितांना सूचित करण्यात येते की नोरयॉन केमिकल्स इंडिया प्राइवेट लिमिटेड (पुर्वीचे नाव आकझोनोबेल इंडिया लिमिटेड) प्लॉट नं.३- १८,१९, २० आणि सी- ६१ (पार्ट)

एमआयडीसी, महाड येथे कारखान्यासाठी राज्यस्तरीय पर्यावरण आघात मूल्यमापन कार्यकारीणीकडून दिनांक २६-०४-२०१८ रोजी (पत्र क्र.०००००००२६३) (SEIAA) पर्यावरणविषयक मंजूरी देण्यात आली आहे. संबंधित मंजूरीचे पत्र <https://ecpmcb.in> या संकेतस्थळावर उपलब्ध आहे.

नोरयॉन केमिकल्स इंडिया प्राइवेट लिमिटेड  
(पुर्वीचे नाव आकझोनोबेल इंडिया लिमिटेड)  
प्लॉट नं.३- १८,१९, २० आणि सी - ६१  
(पार्ट)  
एमआयडीसी ,महाड ४०२३०२





# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.  
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## ANALYSIS TEST REPORT

Report No	SEETL220001932	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
ULR No	TC-951622000001554F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%) 50

## AMBIENT AIR STATION

Location of H.V.S.	Near Changing Room		
Lateral Distance	5.0 Meter From Changing Room		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	37	Humidity (%)	45
Wind Speed (km/hr)	11	Wind Direction (deg <sup>o</sup> )	NW,320
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	64	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2017
PM <sub>2.5</sub>	28	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	22	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	25	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
CO	1.25	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	24	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

**NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.

2) The above results relate only to the item tested.

3) PM<sub>10</sub>-Particulate Matter of size < 10 µm

4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm

5) NAAQS-National Ambient Air Quality Standards



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar

*Checked by:*  
*S. Patil*

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report No	SEETL220001933	Report Date	15/06/2022	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
Order / Reference	PO No. 4200178543, Dated-18.01.2022			
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022	
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022	
ULR No	TC-951622000001555F			
Sample Collected By	SEETL Representative			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%)	50

## AMBIENT AIR STATION

Location of H.V.S.	Near Tyte-5		
Lateral Distance	5.0 Meter From Tyte-5		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	37	Humidity (%)	45
Wind Speed (km/hr)	11	Wind Direction (deg°)	NW,320
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	60	µg/m <sup>3</sup>	100.00	IS 5182(Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	25	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	20	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	23	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
CO	1.14	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	22	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

**NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.

- 2) The above results relate only to the item tested.
- 3) PM<sub>10</sub>-Particulate Matter of size < 10 µm
- 4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm
- 5) NAAQS-National Ambient Air Quality Standards



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar

*Checked by*  
*Galunke*

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## ANALYSIS TEST REPORT

Report No	SEETL220001934	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
ULR No	TC-951622000001556F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%) 50

## AMBIENT AIR STATION

Location of H.V.S.	Near Old STP		
Lateral Distance	5.0 Meter From Old STP		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	37	Humidity (%)	45
Wind Speed (km/hr)	11	Wind Direction (deg°)	NW,320
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	67	µg/m <sup>3</sup>	100.00	IS 5182(Part 23)2006RA: 2017
PM <sub>2.5</sub>	30	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	25	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	28	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
CO	1.29	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	26	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

- NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.  
 2) The above results relate only to the item tested.  
 3) PM<sub>10</sub>-Particulate Matter of size < 10 µm  
 4) PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm  
 5) NAAQS-National Ambient Air Quality Standards



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar


*Checked by:*  
*Trupti Mayekar*

Format No. SEETL/LD/F-72

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ANALYSIS TEST REPORT				
Report Decoding No	SEETL220001935	Report Date	15/06/2022	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
Order / Reference	PO No. 4200178543, Dated-18.01.2022			
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022	
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022	
ULR No.	TC-951622000001557F			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%)	50
DETAILS OF STACK				
Attached To	Boiler (11 TPH)			
Shape	Round			
Diameter (mm)	860			
Height From Ground Level (Mtr)	30			
Temperature (°C)	112.00			
Velocity of Flue Gases (m/sec)	5.59			
Volume of Flue Gases (Nm <sup>3</sup> /hour)	7778.55			
Type of Fuel	LDO			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	55	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	22.6	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	26	mg/Nm <sup>3</sup>	-----	IS 11255 (Part 7):2005 RA. 2017
<p>NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.</p>				
				<p><i>Trupti Mayekar</i> Authorized Signatory Trupti Mayekar</p>

Checked by: *[Signature]*

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## ANALYSIS TEST REPORT

Report No	SEETL220001936	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
ULR No	TC-951622000001558F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%) 50

## DETAILS OF STACK

Attached To	DG Set 500 KVA
Shape	Round
Diameter (Mtr)	0.3
Height From Ground Level (Mtr)	10 Mtr
Temperature (°C)	158.00
Velocity of Flue Gases (m/sec)	9.45
Volume of Flue Gases (Nm <sup>3</sup> /hour)	1655.44
Type of Fuel	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
	DG Set 500 KVA		
Total Particulate Matter	46	mg/Nm <sup>3</sup>	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00		
SO <sub>2</sub>	8	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO <sub>2</sub>	58.56		
Oxides of Nitrogen (NO <sub>x</sub> )	33	mg/Nm <sup>3</sup>	IS 11255 (Part 7):2005 RA. 2017

NOTE: 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.



*Trupti Mayekar*  
Authorized Signatory  
- Trupti Mayekar

Checked by:  
*Jalene*

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## ANALYSIS TEST REPORT

Report No	SEETL220001937	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
ULR No	TC-951622000001559F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%) 50

### DETAILS OF STACK

	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)
Attached To	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)
Shape	Round	Round
Diameter (Mtr)	0.1 Mtr	0.0762 Mtr
Height From Ground Level (Mtr)	6.5	6.0
Temperature (°C)	171.00	168.00
Velocity of Flue Gases (m/sec)	9.23	9.12
Volume of Flue Gases (Nm <sup>3</sup> /hour)	174.68	100.85
Type of Fuel	HSD	HSD

### POLLUTIONAL PARAMETERS

Parameters	Result		Units	Method
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)		
Total Particulate Matter	28	20	mg/Nm <sup>3</sup>	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00	150.00		
SO <sub>2</sub>	2.6	2.8	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO <sub>2</sub>	10.56	8.64		
Oxides of Nitrogen (NO <sub>2</sub> )	21	23	mg/Nm <sup>3</sup>	IS 11255 (Part 7):2005 RA. 2017

NOTE: 1) The above results relate only to the condition prevailing at the time of Sampling.  
 2) The above results relate only to the item tested.



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 Authorized Signatory  
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## ANALYSIS TEST REPORT

Report No	SEETL220001938	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%)
			50

## DETAILS OF STACK

Attached To	Scrubber (Production Plant)	Scrubber ( New ETP)
Shape	Round	Round
Diameter (Mtr)	0.5	0.12
Height From Ground Level (Mtr)	16	16
Temperature (°C)	34.00	31.00
Velocity of Flue Gases (m/sec)	3.35	3.44
Volume of Flue Gases (Nm <sup>3</sup> /hour)	2277.13	136.13

## POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber ( New ETP)			
Acid Mist	09	12	mg/Nm <sup>3</sup>	35.0	Lab SOP No. SEETL/LD/SOP/AA-31

NOTE: 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.



*Nilesh Naik*  
Authorized Signatory  
Nilesh Naik

*Checked by:*  
*J. Salunke*

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report No	SEETL220001938	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	09/06/2022	Sample Receipt Date	10/06/2022
Analysis Started on	10/06/2022	Analysis Completed On	15/06/2022
ULR No	TC-951622000001560F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	24.9	Humidity (%) 50

## DETAILS OF STACK

Attached To	Scrubber (Production Plant)	Scrubber ( New ETP)
Shape	Round	Round
Diameter (Mtr)	0.5	0.12
Height From Ground Level (Mtr)	16	16
Temperature (°C)	37.00	35.00
Velocity of Flue Gases (m/sec)	3.47	3.35
Volume of Flue Gases (Nm <sup>3</sup> /hour)	134.80	2273.43

## POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber ( New ETP)			
Ammonia (NH <sub>3</sub> )	ND	ND	ppm	35	IS 11255 (Part 6):1999 RA:2019
SO <sub>2</sub>	ND	ND	ppm	50	IS 11255 (Part 1) : 1985 : 2019

**NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.  
3) ND :- Not Detected



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# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.  
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Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 \* OGI-NABET Accredited EIA Consultancy

## ANALYSIS TEST REPORT

Report No.	SEETL220001939	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Monitoring	09/06/2022	Time of Sampling	Day
ULR No.	-		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Day Time	Noise Limits in dB(A) Leq*
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### WORK PLACE NOISE LEVEL MONITORING

1.	Production Building	65.5	90
2.	Day Tank Area	66.1	90
3.	Utility Area	74.8	90
4.	BCP Area	72.9	90
5.	R.S. VI	60.9	90

Method:-IS:9989-1981 (RA 2001)

- NOTE:** 1) As per Factory Act Rules ,1963 scheduled XXIV Noise Limit 90dB(A) \*dB(A) Leq denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
2) A "decibel" is a unit in which noise is measured.  
3)"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
4) Leq: It is the energy mean of the noise level over a specified period.



*Nilesh Naik*  
Authorized Signatory  
Nilesh Naik

*Checked by:*  
*S. Jalame*

Format No. SEETL/LD/F-72

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## ANALYSIS TEST REPORT

Report No.	SEETL220001940	Report Date	15/06/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Monitoring	09/06/2022	Time of Sampling	Day
ULR No.	TC-951622000001561F		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Day Time	Noise Limits in dB(A) Leq*
---------	---------------------------------------	----------	----------------------------

### AMBIENT NOISE LEVEL MONITORING

1	Near Main Gate	60.2	75
2	Near New ETP	64.5	75
3	Near Emergency Gate	52.0	75

Method:-IS:9989-1981 (RA 2001)

- NOTE:** 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)  
 2) dB(A) Leq denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
 3) A "decibel" is a unit in which noise is measured.  
 4) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
 5) Leq: It is the energy mean of the noise level over a specified period.



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Format No. SEETL/LD/F-72

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# Sadekar Enviro Engineers Pvt. Ltd.

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## ANALYSIS REPORT

Report No	SEETL220001941	Report Date	15/06/2022
Name Of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	-		
Sample Collected By	SEETL Representative		

## ILLUMINATION LEVEL MONITORING

Sr. No.	Sampling Location	Illumination Levels in Lux (Night Time)	As Per Maharashtra Factories Rules, 1963 Minimum Limit in Lux
1.	Changing Room Area	206	100
2.	R.S. VI Area	160	100
3.	Day Tank Area	205	100
4.	Production Building	265	100
5.	BCP Area	290	100
6.	Utility Area	199	100
7.	Old ETP	235	100
8.	New ETP	210	100

- NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.  
3) SCHEDULE 'A' & SCHEDULE 'B' for as Per Factory Act Minimum Limit in Lux.



Authorized Signatory  
Nilesh Naik

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*[Signature]*

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## ANALYSIS TEST REPORT

Report No	SEETL220003049	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad, 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
ULR No	TC-951622000002397F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.5	Humidity (%) 53

## AMBIENT AIR STATION

Location of H.V.S.	Near Changing Room		
Lateral Distance	5.0 Meter From Changing Room		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	71
Wind Speed (km/hr)	11	Wind Direction (deg°)	SW,213
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	50	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	25	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	20	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	24	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.16	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	20	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

NOTE: 1) The above results relate only to the item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report No	SEETL220003050	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
ULR No	TC-951622000002398F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.5	Humidity (%) 53

## AMBIENT AIR STATION

Location of H.V.S.	Near Tyte-5		
Lateral Distance	5.0 Meter From Tyte-5		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	71
Wind Speed (km/hr)	11	Wind Direction (deg <sup>o</sup> )	SW,213
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	48	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	22	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	16	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	20	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.04	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	19	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

NOTE: 1) The above results relate only to the item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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Verified by:

*Prasanna Sadekar*

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## ANALYSIS TEST REPORT

Report No	SEETL220003051	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
ULR No	TC-951622000002399F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.5	Humidity (%) 53

## AMBIENT AIR STATION

Location of H.V.S.	Near Old STP		
Lateral Distance	5.0 Meter From Old STP		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	27	Humidity (%)	71
Wind Speed (km/hr)	11	Wind Direction (deg°)	SW,213
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	52	µg/m <sup>3</sup>	100.00	IS 5182 (Part 23) 2006 RA: 2017
PM <sub>2.5</sub>	28	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	22	µg/m <sup>3</sup>	80.00	IS 5182(Part 2): 2001 RA: 2017
NO <sub>2</sub>	25	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.13	mg/m <sup>3</sup>	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5: 2012
Benzene (C <sub>6</sub> H <sub>6</sub> )	<4	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 RA 2017
Arsenic(As)	<5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5: 2012
Ozone (O <sub>3</sub> )	24	µg/m <sup>3</sup>	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 RA: 2019

NOTE: 1) The above results relate only to the item tested & the condition prevailing at the time of sampling  
 2) PM<sub>10</sub>-Particulate Matter of size < 10 µm, PM<sub>2.5</sub> - Particulate Matter of size < 2.5 µm  
 3) NAAQS-National Ambient Air Quality Standards

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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*Pradip*

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## ANALYSIS TEST REPORT

Report Decoding No	SEETL220003052	Report Date	29/09/2022		
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.				
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.				
Order / Reference	PO No. 4200178543, Dated-18.01.2022				
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022		
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022		
ULR No.	TC-951622000002400F				
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Sample Collected By	SEETL Representative				
Environmental Condition of Lab	Temperature(°C)	25.5	Humidity (%)	53	

## DETAILS OF STACK

Attached To	S1 - Boiler (11 TPH)
Shape	Round
Diameter (mm)	860
Height From Ground Level (Mtr)	30
Temperature (°C)	125.00
Velocity of Flue Gases (m/sec)	5.69
Volume of Flue Gases (Nm <sup>3</sup> /hour)	7656.46
Type of Fuel	LDO

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	48	mg/Nm <sup>3</sup>	150	IS 11255 (Part 1):1985 RA. 2019
SO <sub>2</sub>	20.6	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019
NO <sub>2</sub>	23	mg/Nm <sup>3</sup>	-	IS 11255 (Part 7):2005 RA. 2017

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.  
 2) The above results relate only to the item tested.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report No	SEETL220003053	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
ULR No	TC-951622000002401F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab		Temperature(°C)	25.5
		Humidity (%)	53

## DETAILS OF STACK

Attached To	S4 - DG Set 500 KVA
Shape	Round
Diameter (Mtr)	0.3
Height From Ground Level (Mtr)	10 Mtr
Temperature (°C)	167.00
Velocity of Flue Gases (m/sec)	9.55
Volume of Flue Gases (Nm <sup>3</sup> /hour)	1638.05
Type of Fuel	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
	DG Set 500 KVA		
Total Particulate Matter	40	mg/Nm <sup>3</sup>	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00		
SO <sub>2</sub>	6	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO <sub>2</sub>	58.56		
Oxides of Nitrogen (NO <sub>2</sub> )	30	mg/Nm <sup>3</sup>	IS 11255 (Part 7):2005 RA. 2017

NOTE: 1) The above results relate only to the condition prevailing at the time of Sampling.  
 2) The above results relate only to the item tested.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



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## ANALYSIS TEST REPORT

Report No	SEETL220003054	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
ULR No	TC-951622000002402F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.5	Humidity (%) 53

## DETAILS OF STACK

Attached To	S3- Diesel Engine-1 (Sprinkler)	S2- Diesel Engine -2 (Hydrant)
Shape	Round	Round
Diameter (Mtr)	0.1 Mtr	0.0762 Mtr
Height From Ground Level (Mtr)	6.5	6.0
Temperature (°C)	159.00	164.00
Velocity of Flue Gases (m/sec)	9.11	8.98
Volume of Flue Gases (Nm <sup>3</sup> /hour)	176.64	100.18
Type of Fuel	HSD	HSD

## POLLUTIONAL PARAMETERS

Parameters	Result		Units	Method
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)		
Total Particulate Matter	24	18	mg/Nm <sup>3</sup>	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00	150.00		
SO <sub>2</sub>	1.8	2.2	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO <sub>2</sub>	10.56	8.64		
Oxides of Nitrogen (NO <sub>2</sub> )	18	20	mg/Nm <sup>3</sup>	IS 11255 (Part 7):2005 RA. 2017

NOTE: 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Trupti Mayekar*  
Authorized Signatory  
Trupti Mayekar

Verified by:

*Galante*

Format No. SEETL/LD/F-72

Page 1 of 1

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LABORATORY : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Belim Road, Bardez, Porvorim, Panaji-Goa-403 101, Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : [starlabgoa@rediffmail.com](mailto:starlabgoa@rediffmail.com) • CIN No. U45209MH1998PTC-116379



## ANALYSIS TEST REPORT

Report No	SEETL220003055	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
ULR No.	TC-951622000002403F		
Date Of sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Sample Collected By	SEETL Representative		
Environmental Condition of Lab	Temperature (°C)	25.5	Humidity (%) 53

## DETAILS OF STACK

Attached To	Scrubber (Production Plant)	Scrubber ( New ETP)
Shape	Round	Round
Diameter (mm)	0.5	0.12
Height From Ground Level (Mtr)	16	16
Temperature (°C)	28.00	30.00
Velocity of Flue Gases (m/sec)	3.71	3.14
Volume of Flue Gases (m <sup>3</sup> /hour)	150.88	2218.23
Volume of Flue Gases (Nm <sup>3</sup> /hour)	148.15	2163.77

## POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber ( New ETP)			
Ammonia (NH <sub>3</sub> )	ND	ND	ppm	35	IS 11255 (Part 6):1999
SO <sub>2</sub>	ND	ND	ppm	50	IS 11255 (Part 1) : 1985 : 2019

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.  
2) The above results relate only to the item tested.  
3) ND: Not Detected.



*Trupti Mayekar*  
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# Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagholi Industrial Area, Thane - 400 604, Maharashtra State, India.  
 ☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : [prs@sadekarenviro.com](mailto:prs@sadekarenviro.com) / [psadekar5@gmail.com](mailto:psadekar5@gmail.com)

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 SAVE LIFE

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 \* QCI-NABET Accredited EIA Consultancy

## ANALYSIS TEST REPORT

Report No	SEETL220003055	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of sampling	22/09/2022	Sample Receipt Date	23/09/2022
Analysis Started on	23/09/2022	Analysis Completed On	29/09/2022
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Sample Collected By	SEETL Representative		
Environmental Condition of Lab	Temperature (°C)	25.5	Humidity (%) 53

## DETAILS OF STACK

Attached To	Scrubber (Production Plant)	Scrubber ( New ETP)
Shape	Round	Round
Diameter (mm)	0.5	0.12
Height From Ground Level (Mtr)	16	16
Temperature (°C)	28.00	30.00
Velocity of Flue Gases (m/sec)	3.71	3.14
Volume of Flue Gases (m <sup>3</sup> /hour)	150.88	2218.23
Volume of Flue Gases (Nm <sup>3</sup> /hour)	148.15	2163.77

## POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber ( New ETP)			
Acid Mist	06	10	mg/Nm <sup>3</sup>	35.0	Lab SOP No. SEETL/LD/SOP/AA-31

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.  
 2) The above results relate only to the item tested.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*(Signature)*  
 Authorized Signatory  
 Nilesh Naik

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Page 2 of 2

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## ANALYSIS TEST REPORT

Report No.	SEETL220003057	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Monitoring	22/09/2022	Time of Sampling	Day
ULR No.	TC-951622000002404F		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Day Time	Noise Limits in dB(A) Leq
---------	---------------------------------------	----------	---------------------------

### AMBIENT NOISE LEVEL MONITORING

1	Near Main Gate	64.2	75
2.	Near New ETP	65.1	75
3.	Near Emergency Gate	51.9	75

Method:-IS:9989-1981 (RA 2020)

- NOTE:** 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)  
 2) dB(A) Leq denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
 3) A "decibel" is a unit in which noise is measured.  
 4) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
 5) Leq: It is the energy mean of the noise level over a specified period.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



*Trupti Mayekar*  
 Authorized Signatory  
 Trupti Mayekar

Verified by:

*Jalene*



# Sadekar Enviro Engineers Pvt. Ltd.

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## ANALYSIS TEST REPORT

Report No.	SEETL220003058	Report Date	29/09/2022
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad, 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Monitoring	22/09/2022	Time of Sampling	Day
ULR No.	-		
Monitored By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Day Time	Noise Limits in dB(A) Leq
<b>WORK PLACE NOISE LEVEL MONITORING</b>			
1.	Production Building	67.2	90
2.	Day Tank Area	68.2	90
3.	Utility Area	75.2	90
4.	BCP Area	73.2	90
5.	R.S. VI	61.2	90

Method:-IS:9989-1981 (RA 2020)

- NOTE:**1) As per Factory Act Rules, 1963 scheduled XXIV Noise Limit 90dB(A) \*dB(A) Leq denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing.  
2) A "decibel" is a unit in which noise is measured.  
3) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.  
4) Leq: It is the energy mean of the noise level over a specified period.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



  
Authorized Signatory  
Nilesh Naik

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# Sadekar Enviro Engineers Pvt. Ltd.

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## ANALYSIS REPORT

Report No	SEETL220003059	Report Date	29/09/2022
Name Of Client	M/s. Nouryon Chemicals India Pvt Ltd.		
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.		
Order / Reference	PO No. 4200178543, Dated-18.01.2022		
Date Of Sampling	-		
Sample Collected By	SEETL Representative		

## ILLUMINATION LEVEL MONITORING

Sr. No.	Sampling Location	Illumination Levels in Lux (Night Time)	As Per Maharashtra Factories Rules, 1963 Minimum Limit in Lux
1.	Changing Room Area	215	100
2.	R.S. VI Area	180	100
3.	Day Tank Area	210	100
4.	Production Building	280	100
5.	BCP Area	280	100
6.	Utility Area	210	100
7.	Old ETP	240	100
8.	New ETP	215	100

- NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.  
3) SCHEDULE 'A' & SCHEDULE 'B' for as Per Factory Act Minimum Limit in Lux.

\*\*\*\*\* END OF THE REPORT\*\*\*\*\*



  
Authorized Signatory  
Nilesch Naik

Verified by:  






# Maharashtra Pollution Control Board

## महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

#### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000046914

#### Submitted Date

23-09-2022

### PART A

#### Company Information

##### Company Name

Nouryon Chemicals India Private Limited

##### Application UAN number

NA

##### Address

Nouryon Chemicals India Private Limited Plot  
E- 18,19,20 & C-61(Part/Part) Mahad, Dist.-  
Raigad, Maharashtra, INDIA

##### Plot no

E- 18,19,20 & C-61(Part/Part)

##### Taluka

Mahad

##### Village

Khaire

##### Capital Investment (In lakhs)

7554

##### Scale

Large

##### City

Mahad

##### Pincode

402302

##### Person Name

Sanjay G. Salunke

##### Designation

Manager HSE&S

##### Telephone Number

8484839906

##### Fax Number

9049173399

##### Email

sanjay.salunke@nouryon.com

##### Region

SRO-Mahad

##### Industry Category

Red

##### Industry Type

R22 Organic Chemicals manufacturing

##### Last Environmental statement submitted online

yes

##### Consent Number

Format 1.0/CC/UAN No.  
0000105321/CR2104000614

##### Consent Issue Date

09.04.2021

##### Consent Valid Upto

28.02.2026

##### Establishment Year

1991

##### Date of last environment statement submitted

Jan 1 1900 12:00:00:000AM

##### Industry Category Primary (STC Code) & Secondary (STC Code)

#### Product Information

##### Product Name

Organic Peroxide(Pure)

##### Consent Quantity

3419.52

##### Actual Quantity

1492

##### UOM

MT/A

Refilling/Blending of Metal Alkyls(Pure)

1701.96

384.8

MT/A

Sodium Chloride Salt

1296

244.6

MT/A

#### By-product Information

##### By Product Name

NA

##### Consent Quantity

0

##### Actual Quantity

0

##### UOM

CMD

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	470	195.00
Domestic	60	24.00
All others	10	4.00
Total	100	41.00
	640	264.00

### 2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Effluent discharged	504	205	CMD

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Organic Peroxide	59.07	47.70	CMD

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Acid chloride	0.77	0.80	
TBHP	0.67	0.71	
Chloroformates	0.69	0.69	
Hydrogen peroxide	0.31	0.31	
TMBH	0.31	0.32	
NaOH	0.85	0.87	
KOH	0.1	0.11	

### 4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	122	83	Ltr/Hr
LDO	40	29	Ltr/Hr

## Part-C

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged (Mg/Lit) Except PH, Temp, Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
pH	0	7.71	NA	5.5 to 8.5	NA
Total Suspended solids	0	14	NA	100	NA
BOD 3 days 27 Deg C	0	52	NA	100	NA

COD	0	215	NA	250	NA
Oil & grease	0	5	NA	10	NA
Total ammocial nitrogen	0	0.1	NA	50	NA
Total dissolved solids	0	1913	NA	2100	NA
Sulphates	0	763	NA	1000	NA
Sodium	0	0.19	NA	60	NA
Phenolic compound	0	0.001	NA	5	NA
Chromium (Hexavalent)	0	0.05	NA	0.1	NA
Sulphide (as S)	0	0.1	NA	2	NA
Phosphate (as P)	0	1.96	NA	5	NA
Bio assay test	0	92	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA
Chlorides	0	533	NA	600	NA

### **[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
TPM	0	41	NA	150	NA
SO2	0	6	NA	50	NA
NOX	0	30	NA	NA	NA

### **Part-D**

#### **HAZARDOUS WASTES**

##### **1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	

##### **2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
20.2 Spent solvents	0	2.52	MT/A
35.3 Chemical sludge from waste water treatment	3.08	7.74	MT/A
5.1 Used or spent oil	0	4.15	
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	170	63	Nos./Y
34.1 Chemical-containing residue arising from decontamination.	0	4.09	Nos./Y

### **Part-E**

#### **SOLID WASTES**

##### **1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Solid waste	80.85	165	MT/A



## 2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	0	0	MT/A

## 3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

## Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

### 1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
35.3 Chemical sludge from waste water treatment	7.74	MT/A	NA
34.1 Chemical-containing residue arising from decontamination.	4.09	MT/A	NA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	63	Nos./Y	NA
5.1 Used or spent oil	4.15	MT/A	NA
20.2 Spent solvents	2.52	MT/A	NA

### 2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Decontaminated metal drums,Plastic wrappers,scrap	165.5	MT/A	NA

## Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	681097	17.5	0

## Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

### [A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Replaced Boiler burner with fuel efficient burner	Less emission from burning fuel	4
Replaced Local exhaust hood	Control over chemical emission	4.05
Rain water harvesting	For recharge of ground water	2
Changed refrigeration system from R22 to R404 A	Environment friendly gas used in the system	7.5

### [B] Investment Proposed for next Year

**Detail of measures for Environmental Protection**    **Environmental Protection Measures**

NA

NA

**Capital Investment (Lacks)**

0

## Part-I

---

**Any other particulars for improving the quality of the environment.**

**Particulars**

NA

**Name & Designation**

Sanjay G.Salunke, Manager HSE&S

**UAN No:**

MPCB-ENVIRONMENT\_STATEMENT-0000046914

**Submitted On:**

23-09-2022



Towards sustainable growth

# Mumbai Waste Management Limited

## Certificate

NOURYON CHEMICALS INDIA PVT. LTD.

is a registered member of  
CHW-TSDF at MIDC, Talaja  
for safe & secure disposal of  
Hazardous Waste.

Membership no.: MWML - HzW ..MHO:-4491.....

This Certificate is valid up to

...31<sup>ST</sup> MARCH 2023.....

Onkar A. Kulkarni  
Manager - MBD

Somnathi Malgar  
Director