

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 26th 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 2023 to September 2023 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 2023 to September 2023)

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. Application for EC name change in process, proposal no SIA/MH/IND3/304217/2023 dated 16th September 2023. 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 - 7736 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	<p>Source – Maharashtra Industrial Development Corporation.</p> <p>Permission has obtained from MIDC for water supply; copy enclosed as Annexure-5 and MIDC water bill copy of July, August, and September 2023 month is enclosed as Annexure-6.</p>		
Water requirement	<p>Total - 640 CMD</p> <p>Domestic- 10 CMD</p> <p>Process - 470 CMD</p> <p>Cooling Tower & Boiler feed – 60 CMD</p> <p>Gardening - 100 CMD</p>		
Effluent generation	<p>Domestic/Sewage effluent – 8.0 CMD</p> <p>Trade effluent – 496 CMD</p>		
Power	<p>Source : MSEDCL,</p> <p>Total demand – 750 KVA</p>		
Gaseous emissions from different sources	<ul style="list-style-type: none"> - From Boiler stack height 30 m. - From D.G. Set (500 KVA) stack height 10 m - From Diesel engine hydrant stack height 6 m - From Diesel engine sprinkler stack height 6.5 m - From scrubber stack height 16 m - From Process stack(HCl) height 10 m. 		
Fuel	<p>HSD- 82.5 Lit/Hr</p> <p>LDO – 571.2 Kg/Day</p>		
Status of approvals from statutory bodies	<ol style="list-style-type: none"> 1. Environmental Clearance. 2. Consent to Establish. 3. Consent to Operate. 4. Certificate of Incorporation. 5. Factory license 		

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 cop 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 QHSE 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.	Preventive Maintenance has been carried out of pollution control system.
(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	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

	sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	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. Project proponent has planted 1175 number of trees in industry premises; tree list is enclosed as Annexure-11. Company has well designed CSR policy; company has planted more than 500 trees near Mahad area.
(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 14.06.2023 ; mock drill report copy is enclosed as Annexure-16.
(xix)	A separate environment management	Complied.

	cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Separate environment management cell has provided for smooth working of environmental safeguards. Copy is enclosed as Annexure-17.																														
(xx)	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.	<p>Complied.</p> <p>Separate funds are allocated for environmental protection measures /EMP, item-wise break-up is below.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Cost of environmental protection measures</th> <th>Capital Cost & recurring cost (Rs.) in lacks</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Air Pollution Control</td> <td>0.6</td> </tr> <tr> <td>2.</td> <td>Water Pollution Control</td> <td>24.5</td> </tr> <tr> <td>3.</td> <td>Noise Pollution Control</td> <td>0.3</td> </tr> <tr> <td>4.</td> <td>Environment monitoring and Management</td> <td>1.2</td> </tr> <tr> <td>5.</td> <td>Occupational health and safety</td> <td>6.1</td> </tr> <tr> <td>6.</td> <td>Green Belt</td> <td>7.5</td> </tr> <tr> <td>7.</td> <td>Solid waste management</td> <td>4.64</td> </tr> <tr> <td>8.</td> <td>Rain water harvesting</td> <td>3.0</td> </tr> <tr> <td colspan="2">Total Cost</td> <td>47.84</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	4.64	8.	Rain water harvesting	3.0	Total Cost		47.84
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(xxi)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in	Complied. Attached Annexure- 18																														
(xxii)	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1 st December of each calendar year.	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																														
(xxiii)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom	Project proponent has consented to condition. EC copy is submitted to local MPCB office.																														

	suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	
(xxiv)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	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 ₂ & NO _x) 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 st 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, 2023 is submitted; copy is enclosed as Annexure-20. Status of compliance of EC conditions kept on company website.
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	Project proponent has consented to condition.

	proponent in the case filed against him, 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 IOD/IOA/Concession/Plan Approval Number: Not applicable. industrial project Approved Built-up Area: 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)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable

SEIAA Meeting No: 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

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

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

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

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

28.Solid waste Management

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

Government of Maharashtra



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.			

**Government of
Maharashtra**



30.Hazardous Waste Details							
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
31.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases	
1	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	--	--	--	--	
32.Details of Fuel to be used							
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					
33.Energy							

Government of Maharashtra

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

34. Energy saving by non-conventional method:

--

36. Detail calculations & % of saving:

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

37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
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.

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	capital cost for additional energy requirement is included in project capital cost.
	O & M cost:	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)

a) Construction phase (with Break-up):				
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)	
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) Operation Phase (with Break-up):				
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air Pollution Control	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
Isononanyl 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							

Maharashtra

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

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.
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General Conditions:

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



XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO ₂ , NO _x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

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
12. COLLECTOR OFFICE RAIGAD

Government of
Maharashtra



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, 1ST FLOOR, 8-B, MIDDLETON STREET,
KOLKATA – 700071, WEST BENGAL, INDIA



MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: <http://mpcb.gov.in>
Email: 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:- Format1.0/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.



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]

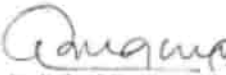


Maharashtra Pollution Control Board

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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.



3. 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.
4. 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.
5. 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

6. 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:

1. 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 ₂ (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 ₂ (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/ Nm3
Acid Mist	Not to exceed	35 mg/ Nm3
NH3	Not to exceed	35 ppm
SO2	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.



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).
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
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List of raw material :

Name	Total in MT/year
1,1,3,3 tetra methyl butyl Hydroperoxide	54
2-EHCL	226
2-Ethyl hexyl chloroformate	420
Acetic acid	17.3
Acetyl acetone	13
Alcotex	12
Benzoyl chloride	164
Berol	2.4
Calcium carbonate	150
Cyclohexanone	12
Dequest 2060 S	8.1
DHP	50
Diethylene Glycol	31.4
Di-isopropyl Benzene	100
Dimethylphthalate	70.7
Ethapol	91
HCL 30% solution	490
Hydrogen peroxide 70 % solution	386.5
Isobutaryl Chloride	1120
Isododecane	320
Isononanoic Acid	5
Isononanoyl Chloride	195
Isopar H	332
Isopropyl chloroformate	18
Magnesium sulphate	26
Methanol	363.2
Methyl ethyl ketone	69.2
Neo deconoyl chloride	54
Pivaloyl chloride	116
Potassium hydroxide	26.5

RAV 7AT	60
Silica	45
Sodium bicarbonate	6
Sodium Carbonate solid	1
Sodium chloride	535.9
Sodium hydroxide (30%) solution	2375.3
Sodium meta bisulphite	35.1
Sodium Perchlorate	50
Sodium sulphate	2.4
Spiridane D60	350
Sulphuric acid	112
TBA	25
Tert.butyl hydroperoxide 70 % solution	1116.4
Toluene	364
Total	10021.4
Water (as solvent base)	200 CMD

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



No.DE(M)/E-18/ B 14865
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 11.50m³ / 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

Sit
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.

CusIGSTIn/PANIN : 27AAQCA4386A1ZL/AAQCA4386A **Mahad Industrial Area** Bill No :: SI24000350495
 Consumer No:- DV009/361MHD/301 Issued Date :: 14-08-2023 Month / Year :: July,2023

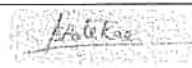
NOURYON CHEMICALS INDIA PVT. LTD E - 19 & 20, E BlockMIDC MAHAD INDL ARE	Consumer Type : 1C1	Meter Size : 80	Deposit Amt. 688,815.00 Init/Addr./Ref St
	Plot / Shed Area : 86.478.00 Plot / Shed No : E-18, 19, 20 & C- Block No: E Zone: 17 Cap. Contribution :	Min. Qty/ Day : 40.00 Min. Qty / Month : Sanction Qty / day : Meter Status : Working Stand Chg :	

Rec. Yes Office Order : dt: End Dt: CarpetArea : 0.00 CETP Dep
 CLTP Yes Order No : Dated : 58,607.00
 Env. Yes - Bulltup Area : 4,465.00 SSI : N ETP : Y CETP : Y MPCB : Y

# Previous Balance	# Current Charges	Amount Due Before Due Date	DPC Amount	Due Date
0.00	563,505.00	563,505.00	1,544.00	28-08-2023

Meter No / Size	Previous		Current		Water Qty. Cub. Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
361MHD - 809446 80	118500	30-06-2023	122152	31-07-2023	3652	
	0 0.00		0 1.00		0 1.00	2021 0.00

Charges Code	REGULAR				
	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
CGST-Service Charge	1,946.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	1,946.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	713.00	0.00	0.00	0.00	999126 CGST @9.00%
SGST-Fire Charge	713.00	0.00	0.00	0.00	999126 SGST @9.00%
CGST-Drainage Charge	2,728.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	2,728.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-Environment	775.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Environment	775.00	0.00	0.00	0.00	998599 SGST @9.00%
Water Charges_L	62,084.00	0.00	0.00	0.00	2201 GST @ 9.00% (17.00*3,652.00*1
Service Charges	21,620.00	0.00	0.00	0.00	998599 GST @ 18.00% (PI = 83,478.00 * R1 = 3.00 * FSI = 1.00) / 12
Fire Charges	7,927.00	0.00	0.00	0.00	999126 GST @ 18.00% (86,478.00 * 1.10)/12
Drainage Charges	30,312.00	0.00	0.00	0.00	999490 GST @ 18.00% (Wt = 3,652.00 * R1 = 8.30)
Environment Charges	8,610.00	0.00	0.00	0.00	998599 GST @ 18.00% (Wt = 3,652.00 * R1 = 2.93) * (Area = 4,465.00 * Area R1 = 1.46) * R1=
CETP-on behalf of	362,021.00	0.00	0.00	0.00	999433 GST @ 12.00% Security Deposit = 0.00
CETP Capital/Deposit Contribution	58,607.00	0.00	0.00	0.00	New Effluent Disposal Pipeline Monthly Charges.
TOTAL	563,505.00	0.00	0.00	0.00	

LAST PAYMENT DETAILS Rcpt. No. 24MAH00001160, 25-07-2023, 555,621.00	Date	
DEPUTY ENGINEER M.I.D.C.	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 Saturday and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No. GST No. _____	Rupees : Five Lakh Sixty Three Thousand Five Hundred and Five Only	
For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV009/361MHD/301	* Please submit your official GST No., email and phone no while paying this bill at receipt counter.	



CustGSTIn/PANIN: 27AAQCA4386A1ZL/AAQCA4386A **Mahad Industrial Area**

Bill No :: S124000423793

Consumer No:- DV009/361MHD/301

Issued Date :: 12-09-2023

Month / Year :: August,2023

NOURYON CHEMICALS INDIA PVT. LTD E - 19 & 20, E BlockMIDC MAHAD INDL. ARE	Consumer Type: 1C1	Meter Size: 80	Deposit Amt. 668,815.00
	Plot / Shed Area: 86.478.00 Plot / Shed No: E-18, 19, 20 & C- Block No: E Zone: 17 Cap. Contribution:	Min. Qty/ Day: 40.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Stand Chg:	Init/Addl./Ref Sl

Bcc: Yes Office Order : dt: End Dt: CarpetArea: 0.00 CETP Dep
CETP: Yes Order No : Dated : 58,607.00
Env: Yes Builtup Area : 4,465.00 SSI : N ETP : Y CETP : Y MPCB : Y

## Previous Balance	+	## Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00		414,189.00		414,189.00	1,925.00	26-09-2023

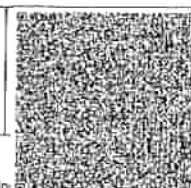
Meter No / Size	Previous		Current		Water Qty. Cub. Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
361MHD - 800446	122152	31-07-2023	126734	31-08-2023	4582	
80						
	0 0.00		0 1.00		0 1.00	2021 0.00

Charges Code	REGULAR				
	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
CGST-Service Charge	1,946.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Service Charge	1,946.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	713.00	0.00	0.00	0.00	999126 CGST @9.00%
SGST-Fire Charge	713.00	0.00	0.00	0.00	999126 SGST @9.00%
CGST-Drainage Charge	3,423.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	3,423.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-Envl Charge	897.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Envl Charge	897.00	0.00	0.00	0.00	998599 SGST @9.00%
Water Charges_L	77,894.00	0.00	0.00	0.00	2201 GST @ 0.00% 17.00*4,582.00*1
Service Charges	21,620.00	0.00	0.00	0.00	998599 GST @ 18.00% (Plt = 86,478.00 * Rt = 3.00 * FSI = 1.00) / 12
Fire Charges	7,927.00	0.00	0.00	0.00	999126 GST @ 18.00% (86,478.00 * 1.10)/12
Drainage Charges	38,031.00	0.00	0.00	0.00	999490 GST @ 18.00% (Wtr = 4,582.00 * Rt = 8.30
Environment Charges	9,972.00	0.00	0.00	0.00	998599 GST @ 18.00% (Wtr = 4,582.00 * Rt = 2.93) + (Area = 4,465.00 * Area Rt = 1.48) * Rt = 0.50
CETP-on behalf of	186,180.00	0.00	0.00	0.00	999433 GST @ 12.00% Security Deposite = 0.00
CETP Capital/Deposit Contribution	58,607.00	0.00	0.00	0.00	New Effluent Disposal Pipeline Monthly Charges.
TOTAL	414,189.00	0.00	0.00	0.00	

LAST PAYMENT DETAILS Rcpt. No Date
24MAH00001515, 27-08-2023, 563,505.00

Patekar

DEPUTY ENGINEER M.I.D.C.



Rupees : **Four Lakh Fourteen Thousand One Hundred and Eighty Nine Only**
For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV009/361MHD/301

Cheque / DD/ PD should be drawn in favour of Executive Engineer MIDC, Mahad Civil
Payment Timings : 10:30:00 am to 01:30:00 pm, Clo. B. A. K. 12, 2023
Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No. GST No. _____



Maharashtra Industrial Development Corporation
(A Government of Maharashtra Undertaking)
(Issued Subject to MIDC's water Supply Regulation 1973)
Water Bill

GSTIN: 27AAACM3560C1ZV
PAN NO: AAACM3560C

Original for receipt
Duplicate for Supplier

IRN NO:

CustGSTIn/PANIN : 27AAQCA4386A1ZL/AAQCA4386A **Mahad Industrial Area**
Consumer No:- DV009/361MHD/301 Issued Date :: 12-10-2023

Bill No :: SI24000486957
Month / Year :: September, 2023

NOURYON CHEMICALS
INDIA PVT. LTD
E - 19 & 20, E BlockMIDC
MAHAD INDL. ARE

Consumer Type : 1C1
Plot / Shed Area : 86,478.00
Plot / Shed No : E-18, 19, 20 & C-
Block No : E
Zone : 17
Cap. Contribution :

Meter Size : 80
Min. Qty / Day : 40.00
Min. Qty / Month :
Sanction Qty / day :
Meter Status : Working
Stand Chg :

Deposit Amt.
668,815.00
Init/Add./Ref SI

Bcc: Yes Office Order : dt: 30-12-2014 End Dt:

CarpetArea : 0.00

CETP Dep

CETP: Yes Order No : Dated :

58,607.00

Env.:Yes Bullup Area : 4,465.00

SSI : N

ETP : Y

CETP : Y MPCB : Y

## Previous Balance	+	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00		415,308.00		415,308.00	1,918.00	26-10-2023

Meter No / Size	Previous		Current		Water Qty. Cub. Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
361MHD ~ 800446	126734	31-08-2023	131300	30-09-2023	4566	
	0 0.00		0 1.00		0 1.00	2022 0.00

REGULAR

Charges Code	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT # LAST MONTH	PREVIOUS ##	
	CGST-Service Charge	1,946.00	0.00	0.00	
SGST-Service Charge	1,946.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Fire Charge	713.00	0.00	0.00	0.00	999126 CGST @9.00%
SGST-Fire Charge	713.00	0.00	0.00	0.00	999126 SGST @9.00%
CGST-Drainage Charge	3,411.00	0.00	0.00	0.00	999490 CGST @9.00%
SGST-Drainage Charge	3,411.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-Envt Charge	895.00	0.00	0.00	0.00	998599 CGST @9.00%
SGST-Envt Charge	895.00	0.00	0.00	0.00	998599 SGST @9.00%
Water Charges_L	77,622.00	0.00	0.00	0.00	2201 GST @ 0.00% 17.00*4,566.00*1
Service Charges	21,620.00	0.00	0.00	0.00	998599 GST @ 18.00% (Pl = 86,478.00 * Rt = 3.00 * FSI = 1.00) / 12
Fire Charges	7,927.00	0.00	0.00	0.00	999126 GST @ 18.00% (86,478.00 * 1.10) / 12
Drainage Charges	37,898.00	0.00	0.00	0.00	999490 GST @ 18.00% Wtr = 4,566.00 * Rt = 6.30
Environment Charges	9,949.00	0.00	0.00	0.00	998599 GST @ 18.00% (Wtr = 4,566.00 * Rt = 2.93) + (Area = 4,465.00 * Area Rt = 1.46) * Rt = 0.50
CETP-on behalf of	187,755.00	0.00	0.00	0.00	999433 GST @ 12.00% Security Deposit = 0.00
CETP Capital/Deposit Contribution	58,607.00	0.00	0.00	0.00	New Effluent Disposal Pipeline Monthly Charges.
TOTAL	415,308.00	0.00	0.00	0.00	

LAST PAYMENT DETAILS Rcpt. No. Date
24MAH00001759, 23-09-2023, 414,189.00

DEPUTY ENGINEER M.I.D.C.

Rupees : Four Lakh Fifteen Thousand Three Hundred and Eight Only

For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV009/361MHD/301

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

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
Ind. Ltd.
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 05th 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 05th 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

Annexure 8

Rainwater Harvesting



Roof top rainwater collection



Connected Pipeline to transfer rainwater to storage tank.



Storage of rainwater into storage tank capacity 385 M3

Rainwater recharge points



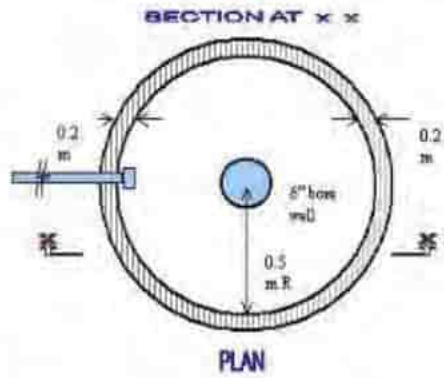
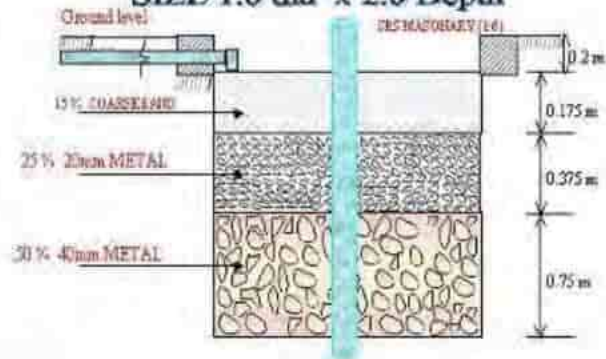
1. Rainwater recharge pit of Warehouse roof



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 - 400 604. Maharashtra State, India.
 ☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com



TC-9516

ANALYSIS TEST REPORT

Report Number	SEETL230001566	Report Date	10/04/2023	
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: 4200238544, Dated on-19-Jan-2023			
Sample Collection Date	30/03/2023	Sample Receipt Date	31/03/2023	
Analysis Started On	31/03/2023	Analysis Completed On	10/04/2023	
ULR Number	TC-951623000001336F			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	25.5	Humidity %	51
Sampling Point	Bore Well			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	5000 ml	
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500)	Method
1.	pH	7.14	-	6.5 - 8.5	IS 3025 (Part 11) : 2022
2.	TDS	356	mg/lit	500	IS 3025(Part 16) : 1984 RA 2022
3.	Color	<5.0	CU	5.0	IS 3025 (Part-4/4): 2021
4.	Odour	Agreeable	-	Agreeable	IS 3025 (Part 5) : 2018: RA 2022
5.	Total Hardness as CaCO ₃	196	mg/lit	200.00	IS 3025(Part 21/5):2009: RA 2019
6.	Turbidity	<1.0	NTU	1.00	IS 3025(Part 10) : 1984 RA 2022
7.	Chlorides as Cl	66.63	mg/lit	250.00	IS 3025(Part 32/2):1988: RA 2019
8.	Nitrate as NO ₃	20.86	mg/lit	45.00	APHA 4500 NO ₃ -B- 24 th Edition 2022
9.	Total Alkalinity as CaCO ₃	194	mg/lit	200	IS 3025(Part 23):1986 RA 2019
10.	Fluorides as F	<0.5	mg/lit	1.0	APHA 4500 F-D-24 th Edition 2022
11.	Sulphate as SO ₄	31.72	mg/lit	200.00	APHA 4500 SO ₄ - E -24 th Edition 2022
12.	Ammonia	<0.5	mg/lit	0.5	IS 3025Part 34/2.2&2.3):1988: RA 2019
13.	Cyanide	<0.05	mg/lit	0.05	IS 3025(Part-27/sec1/4):2021
14.	Calcium as Ca	49.70	mg/lit	75.00	IS 3025(Part 40/5):1991: RA 2019
15.	Magnesium as Mg	17.50	mg/lit	30.00	IS 3025(Part 46/6):1994: RA 2019

Note: Test results related only to the sample tested.

- : This certificate may not be reproduced in part, without the permission of this laboratory.
- : Retention Period of Sample is 15 days from the date of Analysis report.
- : IS 10500 2012-RA-2018



Authorized Signatory
Yojana Chandoskar

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 Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
 Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

Checked by
Sadekar

ANALYSIS TEST REPORT			
Report Number	SEETL230001566	Report Date	10/04/2023
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: 4200238544, Dated on-19-Jan-2023		
Sample Collection Date	30/03/2023	Sample Receipt Date	31/03/2023
Analysis Started On	31/03/2023	Analysis Completed On	10/04/2023
Environmental Condition Of lab	Temp ° C	25.5	Humidity %
			51
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62
ULR Number	TC-951623000001336F		
Sampling Point	Bore Well		
Sample Details	Ground Water		
Sample Container	PVC Can	Sample Quantity	5000 ml
Sample Collected By	SEETL Representative		

Metal Analysis

16.	Aluminum as Al	0.014	mg/lit	0.03	IS 3025 (Part 65) :2022	
17.	Arsenic as As	<0.01	mg/lit	0.01		
18.	Cadmium as Cd	<0.0025	mg/lit	0.003		
19.	Barium as Ba	<0.01	mg/lit	0.70		
20.	Boron as B	0.0180	mg/lit	0.50		
21.	Iron as Fe	0.238	mg/lit	0.30		
22.	Molybdenum as Mo	<0.01	mg/lit	0.07		
23.	Nickel as Ni	0.0147	mg/lit	0.02		
24.	Silver as Ag	<0.01	mg/lit	0.10		
25.	Lead as Pb	<0.01	mg/lit	0.01		
26.	Manganese as Mn	0.0133	mg/lit	0.1		
27.	Selenium as Se	<0.0025	mg/lit	0.01		
28.	Zinc as Zn	0.0773	mg/lit	5		
29.	Mercury as Hg	<0.001	mg/lit	0.001		SEETL/LD/SOP-WA 38: 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.
- : IS 10500 2012-RA-2018



[Signature]
Authorized Signatory
 Yojana Chandoskar

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 Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

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[Signature]



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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SAVE WATER
SAVE LIFE

ANALYSIS TEST REPORT

Report Number	SEETL230001566	Report Date	10/04/2023	
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: 4200238544, Dated on-19-Jan-2023			
Sample Collection Date	30/03/2023	Sample Receipt Date	31/03/2023	
Analysis Started On	31/03/2023	Analysis Completed On	10/04/2023	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	25.2	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.	Present	MPN index/100 ml	APHA- (24 th Edition) 9221-B 2022
2.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100 ml	APHA- (24 th Edition)9221-G 2022

Note: Test results related only to the sample tested.

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: IS 10500 2012-RA-2018



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Yojana Chandoskar

Page 3 of 4

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Goa State, India. © : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

Verified by
[Signature]



Sadekar Enviro Engineers Pvt. Ltd.

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SAVE WATER
SAVE LIFE

ANALYSIS TEST REPORT

Report Number	SEETL230001566	Report Date	10/04/2023	
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: 4200238544, Dated on-19-Jan-2023			
Sample Collection Date	30/03/2023	Sample Receipt Date	31/03/2023	
Analysis Started On	31/03/2023	Analysis Completed On	10/04/2023	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	25.5	Humidity %	51
Sampling Point	Bore Well			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	5000 ml	
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameters	Results	Unit	IS desirable Limit (As per IS 10500)	Method
1.	Taste	Agreeable	-	Agreeable	IS 3025 (Part- 7):2017 & IS 3025 (Part- 8):1984 RA 2022
2.	Anionic Detergents	<0.08	mg/lit	0.2	APHA 5540-C-24 th Edition 2022
3.	Phenolic compound	<0.001	mg/lit	0.001	IS 3025 (Part 43/Sec 1/ 5): 2022
4.	Sulfide	<0.05	mg/lit	0.05	IS 3025(Part-29):1986

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.

: IS 10500 2012-RA-2018

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



Checked by
Yojana Chandoskar

Page 4 of 4

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Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

Verified by:
[Signature]

ANALYSIS TEST REPORT

Report No.	SEETL230003440	Report Date	14/09/2023
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. 4200238544, Dated-19/01/2023		
Date Of Monitoring	06/09/2023	Time of Sampling	Day
ULR No.	TC-122072300000196F		
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	62.9	75
2.	Near New ETP	69.0	75
3.	Near Emergency Gate	55.8	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.
 6) This certificate may not be reproduced without the permission of this Laboratory.

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



Trupti Mayekar
 Authorized Signatory
 Trupti Mayekar

Verified by:

[Signature]

Format No. SEETL/LD/F-72

Page 1 of 1



ANALYSIS TEST REPORT

Report No.	SEETL230003441	Report Date	14/09/2023
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. 4200238544, Dated-19/01/2023		
Date Of Monitoring	06/09/2023	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*
WORK PLACE NOISE LEVEL MONITORING			
1.	Production Building	70.2	90
2.	Day Tank Area	70.3	90
3.	Utility Area	71.3	90
4.	BCP Area	72.6	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.
5) This certificate may not be reproduced without the permission of this Laboratory.

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




Authorized Signatory
Nilesch Naik

Verified by:


Format No. SEETL/LD/F-72

Page 1 of 1

Sr No	Name of Trees	Number of Trees
1	Ain	1
2	Ashoka	237
3	Badam	8
4	Bakuli	11
5	Bhokar	5
6	Bor	1
7	Chafa	6
8	Chiku	16
9	Chinch	5
10	Coconut	24
11	Falas	1
12	Guava	20
13	Gulmohar	16
14	Humbar	8
15	Jambhul	22
16	Kadulimb	2
17	Kaju	2
18	Karanj	6
19	Kunda	2
20	Lime	5
21	Mango	38
22	Mhavyache zad	3
23	Murud Sheng	1
24	Nivi	9
25	Palm	13
26	Pimpal	14
27	Ritha	20
28	Saag	35
29	Sawar	2
30	Shewaga	2
31	Subabul	625
32	Vad	13
33	Waras	3
	Total	1176

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 date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
01	Peod.	Milind A. Jaitpal	M	50	03/04/95	MARS Engg.	05/04/23			Medically fit BSL monitor	
02	-n-	Sunil U. Sankpal	M	51	02/05/87	MARS Engg.	05/04/23			Medically fit	
03	Maint	Prakash C Dhondiyal	M	48	17/06/96	Fitter/ welder	05/04/23			Medically fit	
04	-n-	Swapnil G Kale	M	39	01/07/21	Fleet & Inst Engg.	05/04/23			Medically fit	
05	Peod.	Suresh D Patil	M	56	18/12/93	Swift Supervisor	05/04/23			Medically fit	
06	-n-	Manohar M Khopatkaz	M	53	15/02/93	Field operator	05/04/23			Medically fit Blood sugar monitor	
07	Maint	Bhaerat D Swinde	M		04/07/91	Electrician	05/04/23			Medically fit	

Dr. PARAG S. GAIKAR
MBBS & FIH
Reg No. 2858
Certifying Officer

FORM7-A
(See Rule 18-A)
HealthRegister

(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 date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
08	Maint	Bhagwan A Bhaud.	M	58	13/08/91	Mech. Fitter	05/04/23			Medically fit	<i>[Signature]</i>
09	Maint	Prakash H More	M	55	01/10/93	Mech. Fitter	05/04/23			Medically fit	<i>[Signature]</i>
10	Prod.	Rajesh Lad	M	48	01/01/96	ETP. operator	05/04/23			Medically fit	<i>[Signature]</i>
11	Maint	Madhukar N Pendhari	M	59	21/01/92	Panel operator	05/04/23			Medically fit	<i>[Signature]</i>
12	Maint	Manik U Kanse	M	43	12/12/07	Mech. Supervisor	05/04/23			Medically fit	<i>[Signature]</i>
13	QC	Prashant S Sheth	M	57	31/05/91	QC OFFICER	05/04/23			Medically fit	<i>[Signature]</i>
14	Maint.	Rakesh H Shinde	M	51	17/01/94	Drigt. operator	05/04/23			Medically fit	<i>[Signature]</i>

DR. PARAG V. GAIKI
MD AFIH
Reg No.2009/12/3858
Certifying Surgeon

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 date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
15	QC	Dnyande J Kaloji	M	53	10/02/94	QC OFFICE	05/04/23			Medically fit	Re
16	HBES	Sayali R. Mahadik	F.	32	01/07/19	Nurse	05/04/23			Medically fit BSL-monitor	Re
17	Admin	Ashwini S Yogi	F.	33	21/10/19	Management Assistant	05/04/23			Medically fit	Re
18	Prod.	Subhosh J Chaudhari	M	58	09/09/91	Field operator	05/04/23			Medically fit	Re
19	n	Dasheath R Patil	M	51	08/07/94	Field operator	05/04/23			Medically fit	Re
20	n	Abhishek C Bandagale	M	32	26/04/19	ETP operator	05/04/23			Medically fit	Re
21	n	Swapani R. Sakpal	M	31	07/12/20	Schedule	05/04/23			Medically fit	Re

Dr. PARAG DAIK
MD AFH
Reg No. 2005/13858
Certifying Surgeon

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.

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)
22	Prod.	Mayee S. Gavade	M	31	06/06/19	Shift Supervisor	05/04/23			Medically fit	
23	Logistics	Dipak B Salekar	M	35	30/08/21	Stores Operator	05/04/23	Colour blindness. He can undertake job which does not require colour diff mixing		Medically fit	
24		Nandkumar Tembe	M	50	13/04/12	Stores Incharge	05/04/23			Medically fit BSL-monitor	
25	Maint	Prashant P Moehivale	M	48	24/10/91	Electrician	05/04/23			Medically fit BSL Monitor	
26	Prod.	Surej M Jangam	M	24	10/10/20	Field Operator	05/04/23			Medically fit	
27	QC	Rajpesh L Kadam	M	38	28/08/07	QC Officer	05/04/23			Medically fit	
28	Prod.	Prashant S Kank	M	31	02/01/12	ETP Operator	05/04/23			Medically fit	

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 date	Sr. No
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(1)
29	Prod.	AKSHAY B Atule	M	28	05/02/18	Pannel operator	05/04/23			Medically fit	RL	36
30	—	Prakash K Sardal	M	55	11/12/93	Field operator	05/04/23			Medically fit	RL	37
31	QC	Sureaj N Nogje	M	26	01/07/21	PQC Manager	05/04/23			Medically fit	RL	38
32	Maint.	Dilip S Jadhav	M	56	06/11/92	Mech. Fitter	05/04/23			Medically fit	RL	39
33	Prod.	Rushikesh S Grukewad	M	22	10/10/20	Field operator	05/04/23			Medically fit	RL	40
34	—	Maresh R Naik	M	54	12/08/91	Swift Supervisor	05/04/23			Medically fit	RL	41
35	—	Parashuram G Sakpal	M	48	28/09/86	Field operator	05/04/23			medically fit	RL	42

Dr. PARAG V. GAIKOTI

MD AFIM

Reg No. 2009/12/3858
Certifying Surgeon

BSL monitor

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.

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)
36	Prod.	Swapnil A Sawant	M	32	01/09/21	EP Shift Supervisor	05/04/23			Medically fit	
37	Maint	Mahendra M Chitambar	M	51	21/12/95	Electrician	05/04/23			Medically fit	
38	—	Rajam S Dhadve	M	56	24/11/93	Mech. Fitter	05/04/23			Medically fit	
39	QC	Rahul T Mane	M	24		QC Apprentice	05/04/23			Medically fit	
40	Prod.	Sandip M Kodam	M	50	01/05/95	Panel operator	05/04/23			Medically fit	
41	—	Pranit P Patil	M	26	10/10/20	Field operator	05/04/23			Medically fit	
42	Maint	Sandip S Patil	M	54	21/12/93	Inst. Tech.	08/4/23			Medically fit	

AFIN
3858
BSL monitor

DR PARAG V. GAIKI
MD AFIN
Reg No.2009/12/3858
Certifying Surgeon

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.

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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)
43	Prod.	Deepak M Joshi	M	57	09/09/91	Field operator	10/4/23	Colour blindness He can undertake job which does not require diff mixing.			MC
44	—	Susil B More	M	28	01/09/21	Field operator	10/4/23			Medically fit	MC
45	Maint	Aswih D Nimbalkar	M	48	26/09/93	Planner Maint	24/4/23			Medically fit BP monitor	MC
46	Prod.	Roshan A Jadhav	M	33	20/11/12	Prod. Shift Supervisor	2/5/23			Medically fit	MC
47	QC	Pradeep B Tandalekar	M	50	22/05/07	QC officer	2/5/23			Medically fit	MC
48	Prod.	Sanjay B Babar	M	56	02/12/92	Field operator	2/5/23			Medically fit BSL monitor	MC
49	—	Jayesh J Jadhav	M	33	02/01/12	ETP Operator	27/4/23			Medically fit	MC

Dr. PARAG V. GAHGE
MD AFH

Reg No. 2009/12/3858
Certifying Surgeon

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.

10	11	12	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ducted to n health of rker	Health status of worker /disease	Signature of registered medical practitioner with date	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
ake job which in diff mixing	Medically fit	<i>HL</i>	50	Prod.	Panditeao Kulkarni	M	58	28/05/91	Pannel operator	4/5/23			Medically fit BSL-monitor BP monitor	<i>HL</i>
Medically fit	<i>HL</i>		51	Maint.	Nogesh R Kadam	M	31	12/07/16	Electrician	6/5/23			Medically fit	<i>HL</i>
BP monitor	Medically fit	<i>HL</i>												
Medically fit	<i>HL</i>													
Medically fit	<i>HL</i>													
Medically fit BSL-monitor	<i>HL</i>													
Medically fit	<i>HL</i>													

Dr. PARAG V. GAIKI
MD AFIH
Reg No. 2009/12/3858
Certifying Surgeon

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), 12th Floor, World Trade Centre, Complex-1,
Cuffe Parade, Mumbai – 400 005
Tele : (022) 22151451/52/53 Fax : (022) 22188203



No. MIDC/FIRE/Final-NOC/B-34064
Date: 11/06/2020.

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/B42510, Dt: 24/04/2018.
2) This office Prov. Noc. No. MIDC/Fire/C73195, Dt: 13/08/2018.
3) Application No. **SWC/20/25/20200601/694259.**

Dear Sir,

With reference to the above, a representative of this office visited your factory on 09/06/2020 to the above-mentioned address for inspection of fire fighting arrangements provided by you. Since the fire fighting 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	Double Ht. FSI Area	Stair
	Ind.	Ind.	
Boiler Shed Ground Floor	43.46	21.73	--
Electrical Room Ground Floor	49.40	---	--
Plant of LDO Storage Tank Area	197.60	---	--
Plant of HCLStorage Tank Area	56.81	--	---
Cooling Tower	4.62	--	--
Pipe Rack	146.41	--	--
Extension to ETP Plant	254.88	109.24	12.50
Process Plant Ground Floor	100.55	--	56.96
First Floor	102.98	27.25	50.26
Mezzanine	39.72	--	25.13
Second Floor	94.20	---	50.26
IBCL Tank Farm	51.98	---	1.94
H2O2	58.06	---	1.94
Cold Storage Room	280.34	---	--
Pipe Rack	69.30	---	--
Grand Total	1550.31	158.22	198.99

- 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, 2016 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. 2,35,890/- vide receipts No. 1073/CH/1207/2018, Dt 09.03.2018 & 1073/CH/2599/2018, Dt 09.05.2018 respectively.

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: 2020.06.11
15:27:15 +05'30'

(S S Warick)
Chief Fire Officer & Fire Advisor,
MIDC, Mumbai-400 093.

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



Manifest For Hazardous And Other Waste

Submitted Date : 29-05-2023

Apply as Generator

Unit Name	Plant Name	Submit To
M/s. Nouryon Chemicals India Pvt. Ltd.	M/s. Nouryon Chemicals India Pvt. Ltd.	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 and C-61(Part/Part) MIDC Industrial Area Mahad	9975586958	dhananjay.page@nouryon.com

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No. 0000105321/CR 2104000614	MPCB-HW_MANIFEST-0000363565	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
Mumbai Waste Management Limited, Plot No. P - 32 and P - 32 (part), MIDC, Taloja, Panvel.	MH-46/BM-5937	Mumbai Waste Management, Taloja	9323533341	vaibhav.yadav@resustainability.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	29-05-2023	35.3 Chemical sludge from waste water treatment	Sludge from waste water treatment	10.79	MT	CHWTSDF	M/s. Mumbai Waste Management Ltd. (MWML), Taloja, Raigad.	Maharashtra	M/s. Mumbai Waste Management Ltd. (MWML)	Taloja, Raigad.	9323533341	vaibhav.yadav@resustainability.com
Number of Containers				Physical Form				Special Handling Instructions And Additional Information				
10				Solid				Use appropriate PPE				



Manifest For Hazardous And Other Waste

Submitted Date : 17-08-2023

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 E -18,19,20 and C-61 (Part/Part), MIDC Industrial Area Mahad	9975586958	dhananjay.page@nouryon.com

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No. 0000105321/CR 2104000614	MPCB-HW_MANIFEST-0000392026	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	17-08-2023	20.2 Spent solvents	Spent solvent	0.62	MT	Recycler		Maharashtra	Kusum Distillation and refining private limited	MIDC Kurkumbh	9822517621	kusumchem1@gmail.com
Number of Containers				Physical Form				Special Handling Instructions And Additional Information				
5				Liquid				Use appropriate PPE				



Manifest For Hazardous And Other Waste

Submitted Date : 05-06-2023

Apply as Generator

Unit Name	Plant Name	Submit To
M/s. Nouryon Chemicals India Pvt. Ltd.	M/s. Nouryon Chemicals India Pvt. Ltd.	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)	9975586958	dhananjay.page@nouryon.com

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No. 0000105321/CR 2104000614	MPCB-HW_MANIFEST-0000366059	

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	05-06-2023	5.1 Used or spent oil	Spent oil	2.77	MT	Recycler		Maharashtra	Lubstar Petrochem Industries	Plot No 29 MIDC Mahad	9850969578	lubstar_oil@redi7mail.com
Number of Containers				Physical Form			Special Handling Instructions And Additional Information					
6				Liquid			Use Appropriate PPE					



Manifest For Hazardous And Other Waste

Submitted Date : 17-08-2023

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-0000392023	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	17-08-2023	5.1 Used or spent oil	Used spent oil	2.03	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-0000038126

Submitted On:

24-06-2023

Industry Type :

Generator

Submitted for Year:

April 2022 to March 2023

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

NA

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	1264	MT/A
Chemical ,Petrochemical &Electrochemical	Metal Alkyls	1701.9600	359	MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Chloride Salt	1296.0000	177.74	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	12.26	MTA
5.1 Used or spent oil	Spent oil	4.800	3.7	MTA
20.2 Spent solvents	Spent solvent	24.000	2.34	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	12.26	MTA	Disposal Facility	Mumbai Waste Management Limited
5.1 Used or spent oil	3.7	MTA	Recycler or Actual user	Lubstar Petrochem Industries
20.2 Spent solvents	2.34	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

5. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

6. Quantity incinerated (if applicable) **UOM**

NA 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 KL/Anum

3. Quantity treated **UOM**

NA KL/Anum

4. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	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

Waste name/category	quantity	UOM
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	quantity	UOM
NA	NA	KL/Anum

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

Waste name/category	quantity	UOM
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

Type	Quantity	UOM
Direct landfilling	NA	KL/Anum
Landfill after treatment	NA	KL/Anum

10. Quantity incinerated (if applicable)

UOM
KL/Anum

Personal Details

Place	Date	Designation
Mahad	2023-06-24	SITE MANAGER

Nouryon Chemicals India Private Limited
Emergency Drill Report

F-HSE-02

Sr. No.	Check point	Observation
1	Drill No.	2023/Emergency preparedness Drill/01
2	Date of mock drill	14.06.2023
3	Time	15.30 hrs
4	Location	Day tank area
5	Description of emergency	IPCF drums fallen from pallets and material spillage from drums during transit.
6	First observer of Incidence	Stores In charge
7	Emergency siren raised at	15.37 hrs
8	All clear siren raised at	15.59 hrs
9	Chief incident controller reporting time	15.37 hrs
10	Site controller name Reporting time	Vinayak Angal 15.37 hrs
11	Incident controllers name	Roshan Jadhav (Shift Supervisor)
12	Emergency control room coordinator Reporting time	Dipak Salekar
13	Assembly point 1, in charge	D P Thakur (SRE)
14	Assembly point 2, in charge	Security Supervisor Bansode
15	Emergency team members	Production field operator,
16	First aider	D J Kaloji (QC Chemist)
17	Duties performed by the security in charge	<ul style="list-style-type: none"> • Closed site entrance gate • Arranged personnel of Assembly point in rows and checked head count. • Locked incoming phone calls.
18	Details of Emergency actions	<ul style="list-style-type: none"> • Production operator observed another operator inhaled fumes of raw material IPCF and he was feeling uneasy at day tank area, he informed production supervisor and raised emergency siren. • Supervisor given information to Incident controller and Chief incident controller. • Chief Incident Controller and Incident Controller visited location. • First aider team was called. • Nurse examined the case. • The affected person was shifted to OHC on stretcher for further treatment

		<ul style="list-style-type: none"> • Nurse checked blood pressure and pulse of affected person & kept him under observation. • The issued PTW suspended and submitted with Assembly point in charge. • Wind direction checked. • Evacuation of Site personnel checked, Other than emergency team members everyone assembled at assembly point. • The air supplied pressure suit provided to production operator for handling of leaked IPCF drums. • The leaked IPCF drums were unloaded from vehicle safely for disposal • Used 5% NaOH solution during disposal to avoid exposure of IPCF fumes. • IPCF from damaged drums was disposed at waste water treatment plant.
19	Whether head count was tallied with gate entries?	<ul style="list-style-type: none"> • Head count matched
20	Was external help was called? Give details?	<ul style="list-style-type: none"> • No external help taken
21	<u>Positive observations during the emergency</u> <ul style="list-style-type: none"> • The Shift supervisor and field operators were available for the help at location. • All contract workers assembled at Assembly point 1 & 2. • All the site key personnel shifted their walkie talky sets on channel No. 1 except security team. • Expected actions as per site emergency plans were taken by key personnel. • The information of Emergency immediately given to Chief Incident Controller • Emergency evacuation route checked for emergency exit. • Described the details about Emergency and mitigation actions who assembled at Assembly point. 	
22	<u>Improvement areas noticed with respective to the plan</u> <ul style="list-style-type: none"> • To discuss the observations in Site management team meeting to check possible improvement actions. • One strap of stretcher was not operational • Training to security team on use of walkie talkie during emergency 	
23	<u>Action plan for improvement</u> <ol style="list-style-type: none"> 1. Emergency control centre coordinator was not present at security gate; need to retrain about roles and responsibilities. 	

- | | |
|--|--|
| | <ol style="list-style-type: none">2. Strengthen inspection of stretcher.3. Provide training to Security team for use of walkie talkie during emergency. |
|--|--|

Amit Salagare
Chief incident controller

Suraj Nogja
Observer

Vinayak Angal
Site controller

Pictures of Emergency Drill

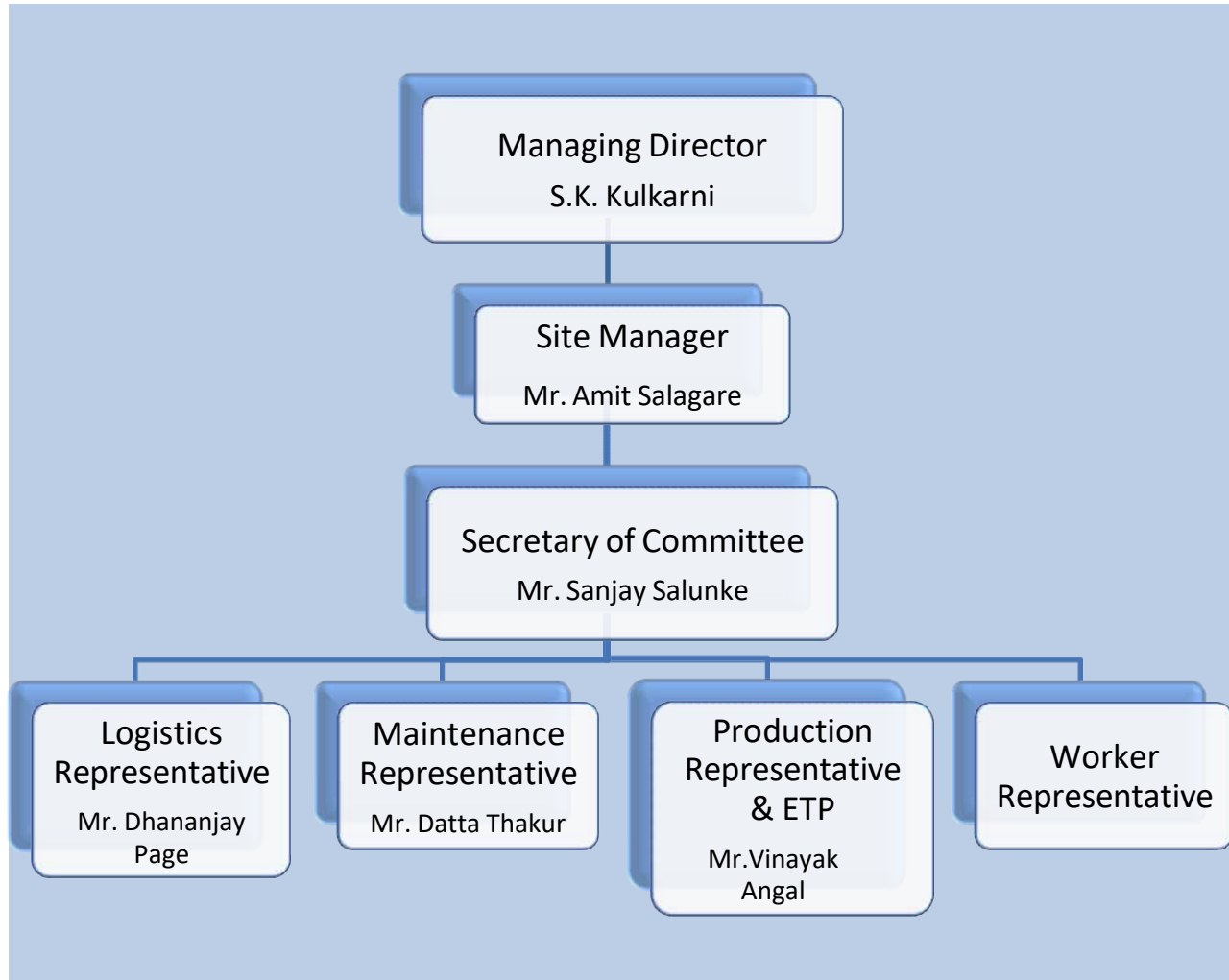








M/s Nouryon Chemicals India Pvt. Ltd.
(Formerly M/s Akzo Nobel India Limited)
E- 18, 19, 20 & C-61 (Part), MIDC Mahad,
District Raigad, Maharashtra.



Schematic Representation of organizational structure of Environment Management



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

जाहीर सूचना

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

एमआयडीसी, महाड येथे कारखान्यासाठी राज्यस्तरीय पर्यावरण आघात मूल्यमापन कार्यकारिणीकडून 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 आक्झोनोबेल इंडिया लिमिटेड)
प्लॉट नं.इ- १८,१९, २० आणि सी - ६१
(पार्ट)
एमआयडीसी ,महाड ४०२३०२

ULR NO: TC51502300000392F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:	REPORT NO : SAL/FM/61/NCIM/WW(23-24-0048)
M/s. Nouryon Chemicals India Pvt. Ltd.	REPORT DATE : 13/04/2023
Plot E- 18,19,20 & C-61(Part)	CUSTOMER REF : 4200175518
Mahad, Dist.- Raigad,	REF DATE : 05/01/2022
Maharashtra, INDIA	

SAMPLE TYPE:	EFFLUENT WATER ANALYSIS
SAMPLE REGISTRATION NO. : WW(23-24-0048)	LOCATION : ETP Outlet
SAMPLING PLAN& METHOD NO. : IS 3025 Part 1:1987 RA 2019	SAMPLE SPECIFICATION: Waste Water
SAMPLING DATE : 06/04/2023	SAMPLE COLLECTED BY: SKYLAB
SAMPLE RECEIPT DATE : 07/04/2023	SAMPLE QUANTITY : 2 Ltrs
ANALYSIS START DATE : 07/04/2023	
ANALYSIS COMPLETE DATE : 13/04/2023	

Sr. No.	Test Parameter	Unit	Result	Limit*	Reference Method
1	pH	-	8.21	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	54	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	720	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	194	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	55	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39)
7	Sulphate, SO4	mg/L	107	1000	IS 3025 (Part 24)
8	Chloride	mg/L	424	600	IS 3025 (Part 32)
9	Ammonical Nitrogen	mg/L	0.56	50	IS 3025 (Part 34)
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43)
11	Phosphate (total)	mg/L	0.49	5	IS 3025 (Part 31)
12	Sulphide	mg/L	1.3	2	IS 3025 (Part 29)
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52)

*: As per MPCB Consent

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

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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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

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(23-24-0048) REPORT DATE : 13/04/2023 CUSTOMER REF : 4200175518 REF DATE : 05/01/2022
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SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0048)
SAMPLING PLAN& METHOD NO. : IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 06/04/2023
SAMPLE RECEIPT DATE : 07/04/2023
ANALYSIS START DATE : 07/04/2023
ANALYSIS COMPLETE DATE : 13/04/2023

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	%	90	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
2	Percent Sodium	%	44	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



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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ULR NO: TC515023000001834F

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(23-24-0390)

REPORT DATE : 03/06/2023

CUSTOMER REF : 4200236429

REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0390)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 30/05/2023
 SAMPLE RECEIPT DATE : 31/05/2023
 ANALYSIS START DATE : 31/05/2023
 ANALYSIS COMPLETE DATE : 03/06/2023

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	-	8.33	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	16	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	2056	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	163	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	36.2	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	6.2	10	IS 3025 (Part 39)
7	Sulphate, SO ₄	mg/L	126	1000	IS 3025 (Part 24)
8	Chloride	mg/L	550	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 2)

*: As per MPCB Consent

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

Verified by


 Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

Nouryon Chemicals India Pvt. Ltd.

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

and, Dist.- Raigad,

Maharashtra, INDIA

REPORT NO : SAL/FM/61/NCIM/WW(23-24-0390)

REPORT DATE : 03/06/2023

CUSTOMER REF : 4200236429

REF DATE : 09/01/2023

SAMPLE TYPE:

WATER REGISTRATION NO. : WW(23-24-0390)

TESTING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019

TESTING DATE : 30/05/2023

TEST RECEIPT DATE : 31/05/2023

ANALYSIS START DATE : 31/05/2023

ANALYSIS COMPLETE DATE : 03/06/2023

EFFLUENT WATER ANALYSIS

LOCATION : ETP Outlet

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB

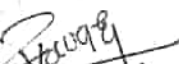
SAMPLE QUANTITY : 2 Ltrs

Test Parameter	Unit	Result	Limit ^a	Reference Method
Bioassay Test	%	91	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
Percent Sodium	%	0.0104	60	IS 3025 (Part 45)

under MPCB Consent

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

Verified by


 Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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ULR NO: TC515023000002312F

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(23-24-0467)
 REPORT DATE : 19/06/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0467)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 14/06/2023
 SAMPLE RECEIPT DATE : 14/06/2023
 ANALYSIS START DATE : 15/06/2023
 ANALYSIS COMPLETE DATE : 19/06/2023

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	-	7.76	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	52	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	2020	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	171	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	40.4	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39)
7	Sulphate, SO ₄	mg/L	668	1000	IS 3025 (Part 24)
8	Chloride	mg/L	412	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	2.07	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 2)

[#]: As per MPCB Consent

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

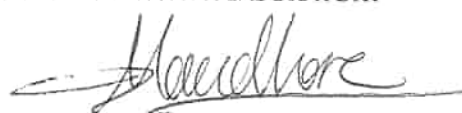
Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 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(23-24-0467)
 REPORT DATE : 19/06/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0467)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 14/06/2023
 SAMPLE RECEIPT DATE : 14/06/2023
 ANALYSIS START DATE : 15/06/2023
 ANALYSIS COMPLETE DATE : 19/06/2023

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	%	91	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
2	Percent Sodium	%	0.085	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



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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ULR NO: TC51502300003600F

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(23-24-0591)
 REPORT DATE : 14/07/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0591)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 04/07/2023
 SAMPLE RECEIPT DATE : 06/07/2023
 ANALYSIS START DATE : 06/07/2023
 ANALYSIS COMPLETE DATE : 14/07/2023

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	-	7.19	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	12	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	1800	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	207	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	67.8	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39)
7	Sulphate, SO ₄	mg/L	172	1000	IS 3025 (Part 24)
8	Chloride	mg/L	430	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	3.4	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 2)

[®]: As per MPCB Consent

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

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 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(23-24-0591)
 REPORT DATE : 14/07/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0591)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 04/07/2023
 SAMPLE RECEIPT DATE : 06/07/2023
 ANALYSIS START DATE : 06/07/2023
 ANALYSIS COMPLETE DATE : 14/07/2023

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	%	91	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
2	Percent Sodium	%	0.045	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



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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ULR NO: TC515023000004598F

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(23-24-0779)
REPORT DATE : 10/08/2023
CUSTOMER REF : 4200236429
REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0779)
SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 02/08/2023
SAMPLE RECEIPT DATE : 04/08/2023
ANALYSIS START DATE : 04/08/2023
ANALYSIS COMPLETE DATE : 10/08/2023

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	-	7.77	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	34	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	488	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	167	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	48.7	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39)
7	Sulphate, SO ₄	mg/L	346	1000	IS 3025 (Part 24)
8	Chloride	mg/L	100	600	IS 3025 (Part 32)
9	Ammonical Nitrogen	mg/L	2.8	50	IS 3025 (Part 34)
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43)
11	Phosphate (total)	mg/L	0.4	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 2)

[#]: As per MPCB Consent

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

Verified by



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 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(23-24-0779)
 REPORT DATE : 10/08/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-0779)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 02/08/2023
 SAMPLE RECEIPT DATE : 04/08/2023
 ANALYSIS START DATE : 04/08/2023
 ANALYSIS COMPLETE DATE : 10/08/2023

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	%	91	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
2	Percent Sodium	%	0.01	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



Sr. Analyst



For SKYLAB ANALYTICAL LABORATORY



Technical Manager
 Authorized Signatory

END OF REPORT

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ULR NO: TC515023000005688F

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(23-24-1078)
 REPORT DATE : 15/09/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-1078)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 08/09/2023
 SAMPLE RECEIPT DATE : 09/09/2023
 ANALYSIS START DATE : 09/09/2023
 ANALYSIS COMPLETE DATE : 15/09/2023

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	-	7.69	6.5-8.5	IS 3025 (Part 11)
2	Total suspended solids	mg/L	40	100	IS 3025 (Part 17)
3	Total dissolved solids	mg/L	2082	2100	IS 3025 (Part 16)
4	Chemical Oxygen Demand (COD)	mg/L	201	250	IS 3025 (Part 58)
5	Biochemical Oxygen Demand (BOD)	mg/L	61	100	IS 3025 (Part 44)
6	Oil & Grease	mg/L	5.4	10	IS 3025 (Part 39)
7	Sulphate, SO ₄	mg/L	266	1000	IS 3025 (Part 24)
8	Chloride	mg/L	174	600	IS 3025 (Part 32)
9	Ammonical Nitrogen	mg/L	1.12	50	IS 3025 (Part 34)
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43)
11	Phosphate (total)	mg/L	3.42	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 2)

[#]: As per MPCB Consent

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

Verified by



Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY




Technical Manager
 Authorized Signatory

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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(23-24-1078)
 REPORT DATE : 15/09/2023
 CUSTOMER REF : 4200236429
 REF DATE : 09/01/2023

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(23-24-1078)
 SAMPLING PLAN & METHOD NO. : IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 08/09/2023
 SAMPLE RECEIPT DATE : 09/09/2023
 ANALYSIS START DATE : 09/09/2023
 ANALYSIS COMPLETE DATE : 15/09/2023

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	Bloassay Test	%	90	90% survival of fish after 96 hours in 100% effluent	IS-6582 (Part 1)
2	Percent Sodium	%	38	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



Sr. Analyst

For SKYLAB ANALYTICAL LABORATORY




Technical Manager
 Authorized Signatory

END OF REPORT

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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.
☎ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

SAVE WATER
SAVE LIFE

ANALYSIS TEST REPORT

Report No	SEETL230002454	Report Date	20/06/2023		
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. 4200238544, Dated-19/01/2023				
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023		
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023		
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)	40.00	36.00
Velocity of Flue Gases (m/sec)	3.42	4.31
Volume of Flue Gases (Nm ³ /hour)	2418.93	175.58

POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber (New ETP)			
Acid Mist	12	15	mg/Nm ³	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*****




Authorized Signatory
Nilesch Naik

Format No. SEETL/LD/F-72

Page 2 of 2

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

LABORATORY : B-308/307, 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

ANALYSIS TEST REPORT

Report No	SEETL230002454	Report Date	20/06/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023
ULR No	TC-951623000002028F		
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)	40.00	36.00
Velocity of Flue Gases (m/sec)	3.42	4.31
Volume of Flue Gases (Nm ³ /hour)	2418.93	175.58

POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber (New ETP)			
Ammonia (NH ₃)	ND	ND	ppm	35	IS 11255 (Part 6):1999 RA:2019
SO ₂	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
 4) This certificate may not be reproduced in part, without the permission of this Laboratory.



Trupti Mayekar
 Authorized Signatory
 Trupti Mayekar

Verified by
S. Jalema

Format No. SEETL/LD/F-72

Page 1 of 2

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 E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com

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

ANALYSIS TEST REPORT

Report No	SEETL230002453	Report Date	20/06/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023
ULR No	TC-951623000002027F		
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)	25.0	Humidity (%) 52

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)	170.00	165.00
Velocity of Flue Gases (m/sec)	8.93	9.09
Volume of Flue Gases (Nm ³ /hour)	252.61	149.18
Type of Fuel	HSD	HSD

POLLUTIONAL PARAMETERS

Parameters	Result		Units	Method
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)		
Total Particulate Matter	49	38	mg/Nm ³	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00	150.00		
SO ₂	2.0	2.4	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO ₂	10.56	8.64		
Oxides of Nitrogen (NO ₂)	18.5	15.3	mg/Nm ³	IS 11255 (Part 7):2005 RA. 2022

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) This certificate may not be reproduced in part, without the permission of this Laboratory.

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



Trupti Mayekar
Authorized Signatory
Trupti Mayekar


Format No. SEETL/LD/F-72

Page 1 of 1

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Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

ANALYSIS TEST REPORT

Report No	SEETL230002458	Report Date	20/06/2023		
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. 4200238544, Dated-19/01/2023				
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023		
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023		
ULR No	TC-951623000002030F				
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)	25.0	Humidity (%)	52
DETAILS OF STACK					
Attached To	S1- Boiler				
Shape	Round				
Diameter (Mtr)	0.86				
Height From Ground Level (Mtr)	30 Mtr				
Temperature (°C)	142.00				
Velocity of Flue Gases (m/sec)	5.52				
Volume of Flue Gases (Nm ³ /hour)	9987.42				
Type of Fuel	LDO				
POLLUTIONAL PARAMETERS					
Parameters	Result	Units	MPCB Limit	Method	
Total Particulate Matter	40.0	mg/Nm ³	150.00	IS 11255 (Part 1):1985 RA. 2019	
SO ₂	13.2	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019	
Oxides of Nitrogen (NO ₂)	17.8	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022	
<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. 3) This certificate may not be reproduced in part, without the permission of this Laboratory.</p>					
***** END OF THE REPORT*****					
			 <i>gamaayebhat</i> Authorized Signatory Trupti Mayekar		

verified by
Galimie

ANALYSIS TEST REPORT

Report No	SEETL230002452	Report Date	20/06/2023	
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. 4200238544, Dated-19/01/2023			
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023	
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023	
ULR No	TC-951623000002026F			
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)	25.0	Humidity (%) 52
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)	168.00			
Velocity of Flue Gases (m/sec)	8.53			
Volume of Flue Gases (Nm ³ /hour)	2170.09			
Type of Fuel	HSD			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	44.0	mg/Nm ³	150.00	IS 11255 (Part 1):1985 RA. 2019
SO ₂	15.1	Kg/Day	58.56	IS 11255 (Part 2):1985 RA. 2019
Oxides of Nitrogen (NO ₂)	21.2	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022
<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. 3) This certificate may not be reproduced in part, without the permission of this Laboratory.</p>				
***** END OF THE REPORT*****				
			 Authorized Signatory Trupti Mayekar	

verified by
Sadekar

ANALYSIS TEST REPORT

Report No	SEETL230002451	Report Date	20/06/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023
ULR No	TC-951623000002025F		
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)	25.0	Humidity (%) 52

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)	33	Humidity (%)	45
Wind Speed (km/hr)	10	Wind Direction (deg°)	SW 225
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550), G.P.S.(APM - 411) & Benzene Sampler (GTI-177)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	65	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	31	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	18	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2022
NO ₂	22	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.10	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	18	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m ³	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) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm

3) NAAQS-National Ambient Air Quality Standards

4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₃H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³)

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 Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

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Sadekar

ANALYSIS TEST REPORT

Report No	SEETL230002450	Report Date	20/06/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023
ULR No	TC-951623000002024F		
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)	25.0	Humidity (%) 52

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)	33	Humidity (%)	45
Wind Speed (km/hr)	10	Wind Direction (deg ⁰)	SW 225
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI-177)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	70	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	33	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	13	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2022
NO ₂	17	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
CO	1.17	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	15	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m ³	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) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm
 3) NAAQS-National Ambient Air Quality Standards
 4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₆H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³)
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ANALYSIS TEST REPORT

Report No	SEETL230002449	Report Date	20/06/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	15/06/2023	Sample Receipt Date	16/06/2023
Analysis Started on	16/06/2023	Analysis Completed On	20/06/2023
ULR No	TC-951623000002023F		
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)	25.0	Humidity (%) 52

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)	33	Humidity (%)	45
Wind Speed (km/hr)	10	Wind Direction (deg ^o)	SW 225
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI-177)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	73	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	35	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO ₂	14	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2022
NO ₂	18	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
CO	1.23	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	17	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene	<0.1	ng/m ³	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) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm
 3) NAAQS-National Ambient Air Quality Standards
 4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₃H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³)
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ANALYSIS TEST REPORT

Report No	SEETL230003433	Report Date	14/09/2023	
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. 4200238544, Dated-19/01/2023			
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023	
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023	
ULR No	TC-122072300000189F			
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)	25.0	Humidity (%)	62
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)	25	Humidity (%)	50	
Wind Speed (km/hr)	09	Wind Direction (deg°)	SW 240	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI-177)			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	68	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	33	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
Sulphur dioxide (SO ₂)	13	µg/m ³	80.00	IS 5182 (Part 2/Sec 1): 2023
Nitrogen dioxide (NO ₂)	16	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
Carbon monoxide (CO)	1.18	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	16	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene (BaP)	<0.1	ng/m ³	1.00	IS 5182 (Part 12): 2004 RA: 2019
<p>NOTE: 1) The above results relate only to the item tested & the condition prevailing at the time of sampling 2) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm 3) NAAQS-National Ambient Air Quality Standards 4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₆H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³) 5) This certificate may not be reproduced without the permission of this Laboratory.</p> <p style="text-align: center;">***** END OF THE REPORT*****</p>				



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ANALYSIS TEST REPORT

Report No	SEETL230003434	Report Date	14/09/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023
ULR No	TC-122072300000190F		
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)	25.0	Humidity (%) 62

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)	25	Humidity (%)	50
Wind Speed (km/hr)	09	Wind Direction (deg ⁰)	SW 240
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI-177)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	65	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	32	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
Sulphur dioxide (SO ₂)	17	µg/m ³	80.00	IS 5182 (Part 2/Sec 1): 2023
Nitrogen dioxide (NO ₂)	20	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
Carbon monoxide (CO)	1.12	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	13	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene (BaP)	<0.1	ng/m ³	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) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm
 3) NAAQS-National Ambient Air Quality Standards
 4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₆H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene <0.1 ng/m³)
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ANALYSIS TEST REPORT

Report No	SEETL230003435	Report Date	14/09/2023	
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. 4200238544, Dated-19/01/2023			
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023	
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023	
ULR No	TC-122072300000191F			
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)	25.0	Humidity (%)	62

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)	25	Humidity (%)	50
Wind Speed (km/hr)	09	Wind Direction (deg ^o)	SW 240
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550), G.P.S.(APM – 411) & Benzene Sampler (GTI-177)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	57	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	28	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
Sulphur dioxide (SO ₂)	13	µg/m ³	80.00	IS 5182(Part 2/ Sec 1): 2023
Nitrogen dioxide (NO ₂)	17	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ammonia (NH ₃)	<20	µg/m ³	400.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I ,2011
Carbon monoxide (CO)	1.20	mg/m ³	04.00	IS 5182 (Part 10) : 1999 RA 2019
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 RA 2022
Arsenic(As)	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Ozone (O ₃)	18	µg/m ³	180.00	IS 5182 (Part 9): 1974 RA: 2019
Benzo(a)Pyrene (BaP)	<0.1	ng/m ³	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) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5} - Particulate Matter of size < 2.5 µm
 3) NAAQS-National Ambient Air Quality Standards
 4) Lower Detection Limit (NH₃<20 µg/m³), (Pb<0.10 µg/m³), (C₆H₆<4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a)Pyrene< 0.1 ng/m³)
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ANALYSIS TEST REPORT

Report No	SEETL230003436	Report Date	14/09/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023
ULR No	TC-122072300000192F		
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)	25.0	Humidity (%) 62

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)	153.00
Velocity of Flue Gases (m/sec)	8.06
Volume of Flue Gases (Nm ³ /hour)	2051.64
Type of Fuel	HSD

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	41	mg/Nm ³	150.00	IS 11255 (Part 1):1985 RA. 2019
Sulphur dioxide (SO ₂)	14.4	Kg/Day	58.56	IS 11255 (Part 2):1985 RA. 2019
Oxides of Nitrogen (NO ₂)	20.1	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022

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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ANALYSIS TEST REPORT

Report No	SEETL230003437	Report Date	14/09/2023		
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. 4200238544, Dated-19/01/2023				
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023		
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023		
ULR No	TC-122072300000193F				
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)	25.0	Humidity (%)	62
DETAILS OF STACK					
Attached To	S1- Boiler				
Shape	Round				
Diameter (Mtr)	0.86				
Height From Ground Level (Mtr)	30 Mtr				
Temperature (°C)	134.00				
Velocity of Flue Gases (m/sec)	5.17				
Volume of Flue Gases (Nm ³ /hour)	9360.67				
Type of Fuel	LDO				
POLLUTIONAL PARAMETERS					
Parameters	Result	Units	MPCB Limit	Method	
Total Particulate Matter	36.2	mg/Nm ³	150.00	IS 11255 (Part 1):1985 RA. 2019	
Sulphur dioxide (SO ₂)	12.1	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019	
Oxides of Nitrogen (NO ₂)	15.2	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022	
<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. 3) This certificate may not be reproduced without the permission of this Laboratory.</p>					
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ANALYSIS TEST REPORT

Report No	SEETL230003438	Report Date	14/09/2023	
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. 4200238544, Dated-19/01/2023			
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023	
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023	
ULR No	TC-122072300000194F			
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)	25.0	Humidity (%) 62	
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)	161.00	158.00		
Velocity of Flue Gases (m/sec)	8.38	8.50		
Volume of Flue Gases (Nm³/hour)	236.91	139.60		
Type of Fuel	HSD	HSD		
POLLUTIONAL PARAMETERS				
Parameters	Result		Units	Method
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)		
Total Particulate Matter	42	31	mg/Nm ³	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00	150.00		
Sulphur dioxide (SO ₂)	2.2	1.4	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO ₂	10.56	8.64		
Oxides of Nitrogen (NO ₂)	15.0	14.3	mg/Nm ³	IS 11255 (Part 7):2005 RA. 2022
<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. 3) This certificate may not be reproduced without the permission of this Laboratory.</p> <p style="text-align: center;">***** END OF THE REPORT*****</p>				
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ANALYSIS TEST REPORT

Report No	SEETL230003439	Report Date	14/09/2023
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. 4200238544, Dated-19/01/2023		
Date Of Sampling	06/09/2023	Sample Receipt Date	07/09/2023
Analysis Started on	08/09/2023	Analysis Completed On	13/09/2023
ULR No	TC-122072300000195F		
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 (%) 62

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)	43.00	41.00
Velocity of Flue Gases (m/sec)	3.55	4.12
Volume of Flue Gases (Nm ³ /hour)	2505.86	167.64

POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber (New ETP)			
Ammonia (NH ₃)	ND	ND	ppm	35	IS 11255 (Part 6):1999 RA:2019
Sulphur dioxide (SO ₂)	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
 4) This certificate may not be reproduced without the permission of this Laboratory.



Trupti Mayekar
 Authorized Signatory
 Trupti Mayekar

Verified by:

Galunke



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 / psadekar5@gmail.com

SAVE WATER
SAVE LIFE

ANALYSIS TEST REPORT

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Sample Collected By	SEETL Representative			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(^o C)	24.9	Humidity (%)	62

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 (^o C)	43.00	41.00
Velocity of Flue Gases (m/sec)	3.55	4.12
Volume of Flue Gases (Nm ³ /hour)	2505.86	167.64

POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber (New ETP)			
Acid Mist	15	19	mg/m ³	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.
3) This certificate may not be reproduced without the permission of this Laboratory.

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



Authorized Signatory
Nilesh Naik

Verified by:

Format No. SEETL/LD/F-72

Page 2 of 2

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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



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000059700

Submitted Date

26-09-2023

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

Sep 23 2022 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

1264

UOM

MT/A

Refilling/Blending of Metal Alkyls(Pure)

1701.96

359

MT/A

Sodium Chloride Salt

1296

177.74

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	183.00
Domestic	60	22.00
All others	10	4.00
Total	100	39.00
	640	248.00

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Effluent discharged	504	199	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	47	52.71	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	0.80	0.80	
TBHP	0.71	0.71	
Chloroformates	0.69	0.69	
Hydrogen peroxide	0.31	0.31	
TMBH	0.32	0.63	
NaOH	0.87	0.87	
KOH	0.11	0.19	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	122	95	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	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	7.48	NA	5.5 to 8.5	NA
Total Suspended solids	0	142	NA	100	NA
BOD 3 days 27 Deg C	0	52	NA	100	NA

COD	0	242	NA	250	NA
Oil & grease	0	5	NA	10	NA
Total ammocial nitrogen	0	0.5	NA	50	NA
Total dissolved solids	0	1950	NA	2100	NA
Sulphates	0	75	NA	1000	NA
Sodium	0	0.041	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	0.1	NA	5	NA
Bio assay test	0	90	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA
Chlorides	0	555	NA	600	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
TPM	0	52	NA	150	NA
SO2	0	18	NA	50	NA
Acid Mist	0	14	NA	35	NA

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
20.2 Spent solvents	2.52	2.34	MT/A
35.3 Chemical sludge from waste water treatment	7.74	12.26	MT/A
5.1 Used or spent oil	4.15	3.7	
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	63	00	Nos./Y

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Solid waste	165	192	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
---------------------------------	---	--	------------

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	12.26	MT/A	NA
5.1 Used or spent oil	3.7	MT/A	NA
20.2 Spent solvents	2.34	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	192.5	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)
Solar Power generation	0	0	0	648536	0	0
Rain water harvesting	1.36	0	0	0	3.33	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)
Rain water harvesting	For recharge of ground water	3.3

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	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-0000059700

Submitted On:

26-09-2023



Sustainability

Mumbai Waste Management Limited
CERTIFICATE OF MEMBERSHIP

M/s. NOURYON CHEMICALS INDIA PVT LTD.

is a registered member of
CHW-TSDF at MIDC - Taloja for
safe and secure disposal of
Hazardous waste.

Membership No: MWML-HZW - MHD - 4491

This Certificate is valid up to 31st MARCH 2024.

Onkar Kulkarni
Manager - BMD

Somnath Malgar
Director