

Date : 04.06.2021

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-000000263 dated 26th April, 2018

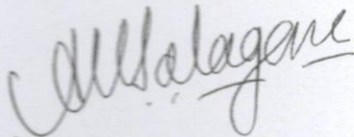
Respected Sir,

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), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; for the period from October 2020 to March 2021 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

(October 2020 to March 2021)

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)
MIDC Mahad, Mahad, Maharashtra

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CHAPTER 1 : INTRODUCTION & PROJECT DESCRIPTION

1.1 Introduction

The project of M/s Nouryon Chemicals India Pvt. Ltd. (Formerly M/s Akzo Nobel India Limited) is located at plot No. E-18, 19, 20 & C-61 (Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; which is in notified industrial zone of Government of Maharashtra. This Project has awarded with environmental clearance by State Level Environment Impact Assessment Authority, vide letter No. SEIAA-EC-0000000263 dated 26.04.2018; copy enclosed as Annexure-1. The company was originally incorporated with name Akzo Nobel India Limited and name of company has changed to M/s Nouryon Chemicals India Pvt. Ltd. under the Companies act, 1956; incorporation certificate copies are enclosed as Annexure-2. Company has obtained with vide No. Format 1.0/CC/UAN No. 0000003495/2003000030 dated 12.03.2020; 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	69.48 Cr.		
Area statement	Total Plot Area - 86478.0 sq.m Total Built Up Area - 8748 sq.m Green Belt Area - 29995 sq.m Parking Area - 2271.8 sq.m		
Product details/Byproduct details	Sr. No.	Product Name	Quantity in MT/M
	1.	Organic Peroxides (Pure)	284.96

	2.	Refilling/ blending of Metal Alkyls (Pure)	141.83
	3.	Sodium Chloride (NaCl)	108
Raw materials (including process chemicals, catalysts & additives)	List Enclosed as Annexure-4.		
Water supply	Source – Maharashtra Industrial Development Corporation. Permission has obtained from MIDC for water supply; copy enclosed as Annexure-5 and MIDC water bill copy of April 2019 month is enclosed as Annexure-6.		
Water requirement	Total - 640 CMD Domestic- 10 CMD Process - 470 CMD Cooling Tower & Boiler feed – 60 CMD Gardening - 100 CMD		
Effluent generation	Domestic/Sewage effluent – 8.0 CMD Trade effluent – 496 CMD		
Power	Source : MSEDCL, Total demand – 990 KVA		
Gaseous emissions from different sources	<ul style="list-style-type: none"> - From Boiler stack height 30 m. - From D.G. Set (500 KVA) stack height 10 m - From Diesel engine hydrant stack height 30 m - From Diesel engine sprinkler stack height 6.5 m - From scrubber stack height 16 m - From Process stack(HCl) height 10 m. 		
Fuel	HSD- 174 Lit/Hr LDO – 834 Kg/Day		
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. 0000003495/2003000030 dated 12.03.2020; schedule I (C); industry has permission to discharge treated effluent to MMA-CETP for further treatment and disposal. CETP NOC copy is enclosed as Annexure-7.
(ii)	73 TPH boiler should have stack height of 68 m and flue gases shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	Provided boiler capacity is 1.1 TPH & stack height is 30 meter; which is adequate stack height as per CPCB guidelines.
(iii)	No additional land shall be used /acquired for any activity of the project without obtaining proper permission.	Project proponent has consented to condition. No additional land will be used for any activity without obtaining prior environmental clearance.
(iv)	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Complied. Company is being taken utmost precaution for the health and safety of the people working in the unit as well as for protecting the environment by implementing EHS policy and Standard Operating Process (SOP) for handling of Chemicals, Solid hazardous waste and solvents. Company conducts the periodic health checkup, mock drills, internal and external safety training for workers to ensure safe work environment within company premises.
(v)	Proper Housekeeping programmers shall be implemented.	Complied. To ensure clean & obstacle free shop floor, housekeeping is being maintained at plant. Nine numbers of people has deputed for

		housekeeping.
(vi)	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	Project Proponent has consented to condition.
(vii)	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Complied. A stack of 10 m height is provided to control and dispersion of pollutants from DG set (capacity-500 KVA).
(viii)	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied. Project proponent is working on implementation of rainwater harvesting system.
(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-8.
(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-9. PPE's such as earplugs earmuffs are provided to workers.
(xii)	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Complied. Noise levels are monitored through MoEF & NABL laboratory and results are well within limits as per standards, The report copy enclosed as Annexure-9. Acoustic enclosures, hoods and silencers are provided to all noise generating equipment's as per requirements. i.e. D.G. Set.
(xiii)	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB	Complied. Company has well designed CSR policy; company has planted more than 500 trees near Mahad area. Project proponent has planted 491

	guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.	number of trees near in industry premises; tree list is enclosed as Annexure-10.			
(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-11.			
(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-12.			
(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. 0000003495/2003000030 dated 12.03.2020; 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-13. Annual return of hazardous waste (Form-4) is being submitted on MPCB portal copy is enclosed as Annexure-14.			
(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 28.05.2020; mock drill report copy is enclosed as Annexure-15.			
(xix)	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. Separate environment management cell has provided for smooth working of environmental safeguards. Copy is enclosed as Annexure-16.			
(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	Complied. Separate funds are allocated for environmental protection measures /EMP, item-wise break-up is below. <table border="1" data-bbox="868 1833 1510 1902"> <tr> <td>Sr. No.</td> <td>Cost of environmental protection measures</td> <td>Capital Cost & recurring cost</td> </tr> </table>	Sr. No.	Cost of environmental protection measures	Capital Cost & recurring cost
Sr. No.	Cost of environmental protection measures	Capital Cost & recurring cost			

	shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.		(Rs.) in lacks	
		1.	Air Pollution Control	0.5
		2.	Water Pollution Control	24.5
		3.	Noise Pollution Control	0.3
		4.	Environment monitoring and Management	1.2
		5.	Occupational health and safety	5.5
		6.	Green Belt	7.5
		7.	Solid waste management	2.57
		8.	Rain water harvesting	0
		Total Cost	42.07	
(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.		
(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 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.	Project proponent has consented to condition. EC copy is submitted to local MPCB office.		
(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	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		

	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.	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-17.
(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 March, 2020 is submitted; copy is enclosed as Annexure-18.
1.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Project proponent has consented to condition.
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.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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



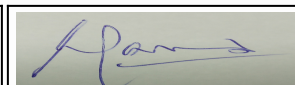
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22. Production Details

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

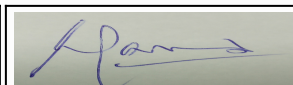
26.Storm water drainage	Natural water drainage pattern:	site is MIDC developed land . MIDC drains are provided to each plot for drainage of storm water.
	Quantity of storm water:	0.03 cum/sec
	Size of SWD:	0.6*1*1796 m

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

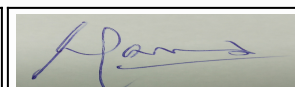
Waste generation in the Pre Construction and Construction phase:	Waste generation:	in construction phase minor quantity construction waste will be generated.
	Disposal of the construction waste debris:	construction debris will be used for landfill inside the plot premise
Waste generation in the operation 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	--	--

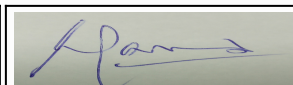
37. Details of pollution control Systems

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.
----------	--

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 break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
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.

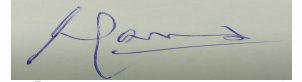
6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

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



सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

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

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

Corporate Identification Number (CIN): U24100PN2018PTC174373

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

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

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



CHEREDDY JAGANADH REDDY

Registrar of Companies

RoC - Pune

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

NOURYON CHEMICALS INDIA PRIVATE LIMITED

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



MAHARASHTRA POLLUTION CONTROL BOARD

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



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

RED/L.S.I

No:- Format1.0/CC/UAN No.000003495/- 2003000030

Date: 12/03/2020

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

Sub: Amendment in Consent to Operate in RED/LSI Category.

- Ref:**
1. Consent to Operate granted vide Format 1.0/BO/AST/MPCB-CONSENT-0000074098 /O-1908000496 dtd. 19.08.2019 which is valid upto 28.02.2021.
 2. Minutes of the 11th Consent Committee Meeting dtd. 13.01.2020.

Your application No.MPCB-CONSENT_AMMENDMENT-000003495 Dated 13.09.2019

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 operate is granted for a period up to 28/02/2021**
2. **The capital investment of the project is Rs.69.48 Crs. (As per C.A Certificate submitted by industry)**
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	Soduim 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	496.00	As per Schedule -I	CETP
2.	Domestic effluent	8.00	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	DG set (500 KVA)	1	As per Schedule -II
5	S-5	DG set (200 KVA)	1	As per Schedule -II
6	S-6	Process Stack (HCl)	1	As per Schedule -II
7	S-7	Process Stack	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	12.2 Alkali residue	20	MT/A	Landfill	CHWTSDF
2	33.1 Chemical-containing residue from decontamination and d	5.0	MT/A	Landfill	CHWTSDF
3	5.1 Used /spent oil	4.8	MT/A	Recycle*	Sale to authorized recycler/CHWTSDF
4	20.2 Spent solvent	24	MT/A	Recycle*	Sale to authorized recycler/CHWTSDF
5	33.3 Discarded containers / barrels / liner	240	Nos./Y	Recycle*	Sale to authorized recycler/CHWTSDF
6	34.3 Chemical sludge from waste water treatment	14	MT/A	Landfill	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**

- 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 This consent is issued with overriding effect on earlier Consent to Operate granted by the Board Consent No. Format 1.0/BO/AST/MPCB-CONSENT-0000074098 /O-1908000496 dtd. 19.08.2019 which is valid upto 28.02.2021.

- 11 The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal).
- 12 The applicant shall comply with the conditions of the Environmental Clearance granted by Government of Maharashtra dtd. 26.04.2018.
- 13 This consent is issued pursuant to the decision of the 11th Consent Committee Meeting held on 13.01.2020.

For and on behalf of the
Maharashtra Pollution Control Board.

(E. Ravendiran IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	200000.00	5447655	28/02/2019	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 for the treatment of 496 CMD effluent consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank), Secondary (Sequential batch reactor)
- 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
Compulsory parameters		
(1)	pH	5.5 to 9.0
(2)	Oil & Grease	10 mg/l
(3)	BOD (3 days 27°C)	100 mg/l
(4)	Total Suspended solids	100 mg/l
(5)	Total Dissolved solids	2100 mg/l
Additional Parameters		
(6)	COD	250 mg/l
(7)	Chlorides	600 mg/l
(8)	Sulphates	1000 mg/l
(9)	% Sodium	60 %
(10)	Phenolic Compound	5.0 mg/l
(11)	Total Ammonical Nitrogen	50 mg/l
(12)	Chromium (Cr +6)	0.10 mg/l
(13)	Sulphides (as S)	2.0 mg/l
(14)	Phosphates (as P)	5.0 mg/l
(15)	Bioassy Test	90% survival of fish after first 96 hrs in 100% effluent

- C] The treated trade effluent shall be reuse/recycled up to maximum extent and remaining shall be sent to MMA- CETP for further treatment and disposal. There shall not be any discharge outside the factory premises
 - D] The Industry shall ensure connectivity of 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 there of & 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	100.00

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
S-1	Boiler (11 TPH)	Stack	30	LDO	834 Kg/Day	4.50	30.20
S-2	Diesel Engine Hydrant	Stack	6.0	HSD	18 Ltr/Hr	1.00	8.64
S-3	Diesel Engine Sprinkler	Stack	6.5	HSD	22 Ltr/Hr	1.00	10.56
S-4	DG set (500 KVA)	Acoustic Enclosure	3.5*	HSD	122 Ltr/Hr	1.00	58.56
S-5	D.G. Set (200 KVA)	Acoustic Enclosure	3.5*	HSD	100 Ltr/Hr	1.00	48.00
S-6	Process stack (HCI)	Scrubber	10	--	--	--	--
S-7	Process stack	Scrubber	10	--	--	--	--

(*-Above roof level)

2. 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.
3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm ³
Acid Mist	Not to exceed	35.0 mg/Nm ³
NH ₃	Not to exceed	35 ppm

4. 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.
5. 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	Consent to Operate	5.0 Lakh	Exisitng	Towards O and M of PCS and towards compliance of consent condition	28.02.2021	30.06.2021

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
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				



[Handwritten signature]

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.



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.

A handwritten signature in black ink, consisting of a vertical line with a loop at the bottom and a horizontal stroke extending to the right.

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)



To,

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

No.DE(M)/E-18/ B 14865
Office of the Deputy Engineer,
MIDC, Mahad Sub-Division, Mahad
Dated : 30.03.2017

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


(S. S. Gite)

Deputy Engineer

MIDC, Mahad Sub Division, Mahad

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

 Maharashtra Industrial Development Corporation (A Government of Maharashtra Undertaking) (Issued Subject to MIDC's water Supply Regulation 1973) Water Bill	GSTIN: 27AAACM3560C1ZV State: 27-Maharashtra	Original for receipt Duplicate for Supplier
	IRN NO:	

CustGSTIn: 27AAQCA4386A1ZL Consumer No:- DV009/361MHD/301	Mahad Issued Date :: 23-04-2021	Bill No :: SI22000032148 Month / Year :: March,2021
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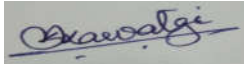
NOURYON CHEMICALS INDIA PVT. LTD E - 19 & 20, E BlockMIDC MAHAD INDL. ARE State: 27-Maharashtra	Consumer Type: 1C1 Plot / Shed Area: 66.150.00 Plot / Shed No: E - 19 & 20 Block No: E Zone: 10 Cap. Contribution:	Meter Size: 80 Min. Qty/ Day: 40.00 Min. Qty / Month: Sanction Qty / day: Meter Status: Working Stand Chg:	Deposit Amt. 668,815.00 Add. Sec. Dep.
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Bcc: Yes Office Order : dt: 30-12-2014 End Dt: CETP: Yes Order No : Dated : Env: Yes Builtup Area : 4,465.00	SSI : N ETP : Y CETP : Y MPCB : Y	CarpetArea: 0.00 CETP Dep
--	-----------------------------------	------------------------------

## Previous Balance	+	# Current Charges	=	Amount Due Before Due Date	DPC Amount	Due Date
0.00		476,311.00		476,311.00	6,870.00	07-05-2021

Meter No / Size	Previous		Current		Water Qty. Cub. Meter	Remarks (If Any)
	Reading	Date	Reading	Date		
361MHD ~ 800446	899483	28-02-2021	907671	31-03-2021	8188	
80						
	0 0.00		0 1.00		0 1.00	2020 0.00

Charges Code	REGULAR				
	CHARGES		DPC		
	CURRENT #	PREVIOUS ##	CURRENT #	PREVIOUS ##	
Water Charges_L	139,196.00	0.00	0.00	0.00	2201 GST @ 0.00% 17.00*8,188.00*1
Service Charges	16,538.00	0.00	0.00	0.00	998599 GST @ 18.00% (Plt = 66,150.00 * Rt = 3.00 * FSI = 1.00) / 12
SGST-Service Charge	1,488.00	0.00	0.00	0.00	998599 SGST @9.00%
CGST-Service Charge	1,488.00	0.00	0.00	0.00	998599 CGST @9.00%
Fire Charges	6,064.00	0.00	0.00	0.00	999126 GST @ 18.00% (66,150.00 * 1.10)/12
SGST-Fire Charge	546.00	0.00	0.00	0.00	999126 SGST @9.00%
CGST-Fire Charge	546.00	0.00	0.00	0.00	999126 CGST @9.00%
Drainage Charges	61,410.00	0.00	0.00	0.00	999490 GST @ 18.00% Wtr = 8,188.00 * Rt = 7.50
SGST-Drainage Charge	5,527.00	0.00	0.00	0.00	999490 SGST @9.00%
CGST-Drainage Charge	5,527.00	0.00	0.00	0.00	999490 CGST @9.00%
Environment Charges	12,609.00	0.00	0.00	0.00	GST @ 0.00% (Wtr = 8,188.00 * Rt = 2.42) + (Area = 4,465.00 * Area Rt = 1.21) * Rt= 0.50
CETP-Collect for Agency	225,372.00	0.00	0.00	0.00	999433 GST @ 12.00% Security Deposite = 0.00
TOTAL	476,311.00	0.00	0.00	0.00	

LAST PAYMENT DETAILS Rcpt. No. Date 21MAH00002915, 18-03-2021, 489,641.00	 DEPUTY ENGINEER M.I.D.C.
Rupees : Four Lacs Seventy Six Thousand Three Hundred and Eleven 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.
- * If the bill is not paid before the due date, DPC will be levied in the subsequent month bill
- * All Online, NEFT/RTGS payments shall be made through MIDC's Web Site only.

EXECUTIVE COMMITTEE

Chairman Emeritus

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

Chairman

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

Vice Chairman

Mr. Ashok N. Talathi
M/s. Mars-Chemie Pvt. Ltd.
ant_64@rediffmail.com
Mob. 9423824189

Secretary

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

Treasurer

Mr. Rajendra A. Sheth
M/s. Hikal Ltd.
rajendra_sheth@hikal.com
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EXECUTIVE MEMBERS

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

■ **Mr. Sudhir S. Lokhande**
M/s. Sudarshan Chemical
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■ **Mrs. Kalyani K. Guduru**
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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



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

Gazetted By Ministry of Environment & Forest Govt Of INDIA. S. O. 857 (E), Valid upto 25/02/2023 * QCI-NABET Accredited EIA Consultancy

ANALYSIS TEST REPORT

Report Number	SEETL200002191	Report Date	22/12/2020	
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. 4200099137, Dated- 19.11.2020			
Sample Collection Date	07/12/2020	Sample Receipt Date	08/12/2020	
Analysis Started On	08/12/2020	Analysis Completed On	22/12/2020	
ULR Number	-			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	25.6	Humidity %	59
Sampling Point	Borewell			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	5000 ml	
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameter	Result	Unit	Method
1.	pH	7.30	-	IS 3025 (Part 11) : 1983 (Reaffirmed 2012)
2.	TDS	1038	mg/lit	IS 3025(Part 16) : 1984 (Reaffirmed 2012)
3.	Color	50	Hazen	IS 3025 (Part - 4) - 1983 (Reaffirmed 2012)
4.	Odour	Agreeable	-	IS 3025 (Part 5) : 1983 (Reaffirmed 2012)
5.	Taste	Disagreeable	-	IS 3025 (Part 7 & 8) :1984 (Reaffirmed 2002)
6.	Total Hardness	380	mg/lit	IS 3025(Part 21):2009 (Reaffirmed 2014)
7.	Turbidity	292	NTU	IS 3025(Part 10) : 1984 (Reaffirmed 2012)
8.	Chlorides as Cl ⁻	252.39	mg/lit	IS 3025 (Part 32):1988 (Reaffirmed 2014)
9.	Nitrate as NO ₃ ⁻	8.69	mg/lit	APHA 4500 NO ₃ -B
10.	Total Alkalinity	217	mg/lit	IS 3025(Part 23):1986 (Reaffirmed 2014)
11.	Fluorides as F ⁻	<0.5	mg/lit	APHA 4500 F-D
12.	Sulphate as SO ₄ ⁻	64.9	mg/lit	APHA 4500 SO ₄ - E
13.	Anionic Detergents	<0.08	mg/lit	APHA 5540-C
14.	Phenolic compound	<0.001	mg/lit	APHA 5530-B-C

Trupti Mayekar
Checked By
Trupti Mayekar



Priti Thombare
Authorized Signatory
Priti Thombare

Page 1 of 2

Format No. SEETL/LD/F-72

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

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



Sadekar Enviro Engineers Pvt. Ltd.

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

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ANALYSIS TEST REPORT

Report Number	SEETL200002191	Report Date	22/12/2020
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. 4200099137, Dated- 19.11.2020		
ULR Number	-		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62

Chemical Analysis

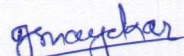
Sr. No.	Parameter	Result	Unit	Method
15.	Sulfide	<0.05	mg/lit	IS 3025 (Part 29) :1986 (Reaffirmed 2014)
16.	Ammonia	0.55	mg/lit	IS 3025 (Part 34):1988 (Reaffirmed 2014)
17.	Cyanide	<0.02	mg/lit	IS 3025 (Part 27):1986 (Reaffirmed 2014)
18.	Calcium as Ca	128.256	mg/lit	IS 3025 (Part 40) :1991 (Reaffirmed 2014)
19.	Magnesium as Mg	14.59	mg/lit	IS 3025 (Part 46) :1994 (Reaffirmed 2014)

Metal Analysis


20.	Aluminum as Al	0.138	mg/lit	IS 3025 (Part 65) :2014 (Reaffirmed 2019)
21.	Arsenic as As	<0.01	mg/lit	
22.	Cadmium as Cd	<0.0025	mg/lit	
23.	Barium as Ba	0.030	mg/lit	
24.	Boron as B	0.057	mg/lit	
25.	Iron as Fe	0.151	mg/lit	
26.	Molybdenum as Mo	<0.01	mg/lit	
27.	Nickel as Ni	0.0469	mg/lit	
28.	Silver as Ag	<0.01	mg/lit	
29.	Lead as Pb	<0.01	mg/lit	
30.	Manganese as Mn	0.048	mg/lit	
31.	Selenium as Se	<0.0025	mg/lit	
32.	Zinc as Zn	0.057	mg/lit	
33.	Mercury as Hg	<0.001	mg/lit	SEETL/LD/SOP-WA/38

Note : Test results related only to the sample tested.

- : This certificate may not be reproduced in part, without the permission of this laboratory.
- : APHA 23rd Edition :2017
- : Retention Period of Sample is 15 days from the date of Analysis report.


Checked By
Trupti Mayekar




Authorized Signatory
Priti Thombare

Page 2 of 2

Format No. SEETL/LD/F-72

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



Sadekar Enviro Engineers Pvt. Ltd.

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

Report Number	SEETL200002191	Report Date	22/12/2020	
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. 4200099137, Dated- 19.11.2020			
Sample Collection Date	07/12/2020	Sample Receipt Date	08/12/2020	
Analysis Started On	08/12/2020	Analysis Completed On	14/12/2020	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/WA-62	
Environmental Condition Of lab	Temp ° C	25.6	Humidity %	50
Sampling Point	Borewell			
Sample Details	Ground Water			
Sample Container	Sterile Glass Bottle	Sample Quantity	250 ml	
Sample Collected By	SEETL Representative			

Chemical Parameters

Sr. No.	Parameters	Results	Unit	Method
1.	Total coliforms at 37°C for 48 hrs.	Absent	MPN index/100 ml	APHA-9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100 ml	APHA-9221-G

Note : Test results related only to the sample tested.

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: APHA 23rd Edition :2017

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



Pooja
Authorized Signatory
Pooja Kalange

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Sadekar Enviro Engineers Pvt. Ltd.

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ANALYSIS TEST REPORT

Report No.	SEETL210000679	Report Date	13/03/2021
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. 4200115141, Dated-08.02.2021		
Date Of Monitoring	05/03/2021	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	68.7	90
2.	Day Tank Area	69.2	90
3.	Utility Area	78.3	90
4.	BCP Area	81.9	90
5.	R.S. VI	62.3	90
AMBIENT NOISE LEVEL MONITORING			
6.	Near Main Gate	60.3	75
7.	Near New ETP	69.2	75
8.	Near Emergency Gate	53.4	75

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

- NOTE: 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)
2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)
3) # :- 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.
4) A "decibel" is a unit in which noise is measured.
5) "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human hear.
6) Leq: It is the energy mean of the noise level over a specified period.



Authorized Signatory
Nilesh Naik

Verified by:

Format No. SEETL/LD/F-72

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

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.

Tree Plantation list :

Sr. No.	Name of Tree	No. of tree	Girth CM	Height CM
1.	Sag	1	61	213
		2	36	207
		3	64	219
		4	33	223
		5	41	210
		6	48	198
		7	38	183
		8	23	131
		9	41	186
		10	64	223
		11	36	216
		12	69	219
		13	56	229
		14	51	216
		15	79	207
		16	41	198
		17	30	207
		18	74	204
		19	64	210
		20	71	219
		21	25	216
		22	74	223
		23	51	216
		24	51	219
		25	89	219
		26	66	223
		27	38	210
		28	30	198
		29	53	183
		30	41	229
		31	28	216
		32	79	207
		33	74	198
		34	51	207

		35	53	207
		36	61	204
		37	43	207
		38	18	119
		39	51	216
		40	53	219
		41	71	229
2.	Mango	1	203	244
		2	89	204
		3	79	223
		4	104	232
		5	58	229
		6	74	207
		7	97	241
		8	135	207
		9	127	262
		10	61	210
		11	58	223
		12	41	180
		13	84	207
		14	114	219
		15	51	244
		16	33	152
		17	56	244
		18	97	244
		19	30	122
		20	23	15
		21	20	110
		22	89	244
		23	20	91
		24	13	85
		25	13	82
		26	99	210
		27	97	223
		28	76	247
3.	Coconut	1	132	204
		2	69	186
		3	107	192
		4	122	189
		5	94	192
		6	97	229
		7	102	226
		8	71	204
		9	102	229

		10	13	88
		11	15	88
		12	69	204
		13	33	128
		14	38	131
		15	23	98
		16	25	98
		17	28	98
		18	30	98
		19	61	183
		20	99	216
		21	43	189
		22	112	195
		23	112	195
		24	124	195
		25	119	195
		26	99	204
		27	117	204
		28	97	204
		29	109	219
		30	97	226
		31	86	204
4.	Palm	1	97	146
		2	114	149
		3	23	125
		4	58	146
		5	53	131
		6	145	238
		7	58	213
		8	142	146
		9	117	219
		10	99	207
		11	81	185
		12	157	250
		13	168	256
		14	155	241
		15	196	219
		16	117	192
		17	79	207
		18	102	219
		19	71	210

		20	69	192
5.	Sapodilla	1	43	149
		2	38	168
		3	33	171
		4	41	177
		5	43	180
		6	30	162
		7	25	162
		8	38	177
		9	33	174
		10	28	180
		11	36	177
		12	41	162
		13	56	158
		14	30	165
6.	Guava	1	58	162
		2	56	177
		3	71	180
		4	46	158
		5	38	171
		6	20	122
		7	25	192
		8	38	189
		9	28	177
		10	33	174
		11	30	171
		12	36	171
		13	28	180
		14	28	174
7.	Umbar	1	99	256
		2	165	247
		3	168	244
		4	107	238
		5	48	162
8.	Jamun	1	152	232
		2	141	219
		3	178	271
		4	147	219
		5	47	104
9.	Kaju	1	23	149
		2	43	174

		3	48	171
		4	51	178
10.	Kud	1	33	174
11.	Ashok	1	20	207
12.	Chafa	1	119	192
13.	Vad	1	191	219
14.	Kadulimb	1	64	207
		2	61	192
		3	53	195
		4	48	174
		5	66	180
15.	Bhokar	1	185	229
		2	94	232
		3	119	232
		4	84	232
		5	71	226
16.	chinch	1	30	232
17.	Pinpal	1	302	299
18.	Karanj	1	112	302
		2	114	268
		3	94	262
		4	84	280
		5	51	287
		6	43	296
19.	Kanchan	1	64	174
		2	48	177
20.	Shevar	1	79	192
21.	Badam	1	119	210
22.	Nibara	1	64	219
		2	99	223
23.	Gulmohar	1	107	226
24.	Ashtabhull	1	86	256
		2	127	223
25.	Mhavyache zad	1	76	210
		2	64	241
		3	114	256
		4	124	271
26.	Niv	1	53	244
		2	58	247
		3	56	253
		4	61	262

		5	50	247
		6	61	271
27.	Subabhul	85	--	--
28.	Cell area	153	--	--
29.	Cell area	49	--	--
Total		491		

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)
1.	Peod ⁿ	Sanjay B Babar	M	52	02/12/93	Field Operator	11/11/20	B.P. 146/90 normal		Medically fit	[Signature]
2.	Peod ⁿ	Akshay B Atule	M	25	05/02/18	Panel Operator	11/11/20			Med. fit	
3.	Electrical	Mahendra M Chitambar	M	48	21/12/95	Electrician	11/11/20			Med. fit	
4.	QC	Parshant S Sheth	M	54	31/05/91	QC Officer	11/11/20			Med. fit	
5.	ETP	Rakesh S Kank	M	28	02/10/12	ETP Operator	11/11/20			Med. fit	
6.	ETP	Mayur S Gawade	M	28	1.6.20	Shift Superi- SOR-ETP	11/11/20			Med. fit	
7.	Mechanical	Prakash H More	M	52	01/10/93	Fitter & Mech	11/11/20			Med. fit	
8.	Instrument ⁿ	Rakesh H Shinde	M	48	17/01/94	Instrument ⁿ operator	11/11/20	B.P. 186/116 normal		Med. fit consult physician for M.S.P. & communicate EWS report & opinion.	
9.	Mechanical	Prakash C Dhondiyal	M	45	17/06/96	Welder cum maint. fitter	11/11/20			Med. fit	
10.	Mechanical	Achish D Nimbalke	M	45	26/09/93	Plumber & technician	11/11/20			Med. fit	

कारखाने
आधिनियम १९४७
समयक
प्रतिकृत प्रमाणकशासकविहितक क्र. ACS25-VN/2016

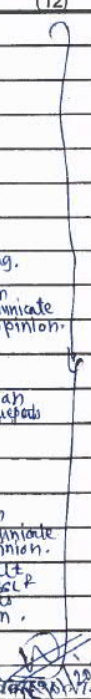
Reg. No. 6172020
प्राप्त २५ ऑक्टो २०२२ पर्यंत

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

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

Nouryon Chemicals India Pvt.Ltd.

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

Sr. No	Department	Name of worker	Sex	Age (last birthday)	Date of employment of present work	Nature of job or occupation	Date of medical examination	Symptoms/ sign observed during examination	Test conducted to Ascertain health of worker	Health status of worker /disease	Signature of registered medical practitioner with date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
11	Electrical	Shivraj M Mande	M	32	26/6/17	Electrical Engg.	11/11/20			Med. fit	
12	Mechanical	Manik U Kanse	M	40	12/07/07	Mechanical Engg.	11/11/20			Med. fit	
13	Admin	Ashwini S Yagi	F	30	21/10/19	Office Admin	11/11/20			Med. fit	
14	Prod ⁿ	Manohar M Khopkar	M	50	15/12/93	Field Operator	11/11/20	B.P. 160/98 119		Med. fit Reg. B.P. monitoring.	
15	HSES	Sayali R Mahadik	F	29	01/07/19	HR Assistant	11/11/20	BSL < F 186 PP 256		consult Physician for BSL communicate & report opinion. Med. fit	
16	QC	Aakreep B Tondalekar	M	47	22/05/07	QC Office	11/11/20	B.P. 148/108 BSL < F 120 PP 182		Med. fit Consult Physician Communicate & report	
17	Prod ⁿ	Roshan A Jadhav	M	30	20/11/12	Prod Super-Visor	11/11/20			Medically fit	
18	Logistics	Nand Kumar D Tembe	M	47	13/04/12	Store Incharge	11/11/20	B.P. 148/100 119		Med. fit consult Physician for BSL & communicate & report opinion.	
19	MAFS	Milind A Jaitpal	M	47	03/04/95	Shift Eng. MAFS	11/11/20	BSL < F 173 PP 200		Med. fit. Consult Physician for BSL & communicate & report opinion.	
20	ETP	Rajesh T Lad	M	45	01/01/96	Operator ETP	11/11/20			Med. fit	

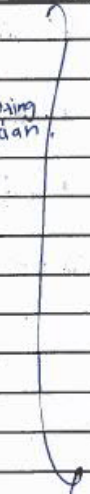
रायगड
2020
M.B.B.S., A.F
2020 Reg. No. 6177
2016

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)
21.	MAFS	Sunil V Sankpal	M	48	02/05/97	Shift Engg MAFS	11/11/20			Med. fit	
22.	Feed ⁿ	Suresh D Patil	M	53	18/12/93	Production SUPERVISOR	11/11/20	B.P. 148/96		Med. fit Reg. B. Monitoring Ac consult Physician.	
23.	QC	Kalpesh L Kadam	M	35	28/08/07	Se. Chemist	11/11/20			Med. fit	
24.	Feed ⁿ	Rameshwar G. Sakpal	M	45	01/01/96	Field operator	11/11/20			Med. fit	
25.	Mechanical	Dilip S Jadhav	M	53	06/11/92	Mech Fitter	11/11/20			Med. fit	
26.	QC	Dnyanesh J Kojaji	M	50	10/02/94	QC Officer	11/11/20			Med. fit	
27.	Feed ⁿ	Mahesh R Naik	M	51	12/08/91	Panel operator	11/11/20			Med. fit	
28.	Mechanical	Bhagwan A Bhand	M	55	13/08/81	Fitter Mechanical	11/11/20			Med. fit	
29.	Electrical	Nagesh R Kadam	M	29	12/07/16	Electrician	11/11/20			Med. fit	
30.	ETP	Dinil K Urkeshwar	M	32	02/05/12	Shift Engg ETP	11/11/20			Med. fit	

कारखाने आदेशनियम १९४८ च्या कलम १०(२) प्रमाणे
संयोजित त्रिस्तरीय प्रणाली दिनांक २६ ऑक्टो. २०२०
पासून २५ ऑक्टो २०२२ पर्यंत

Dr. V. S. Patil
M.B.B.S., A.F.I.C.
Reg. No. 61776

प्राधिकृत प्रमाणक

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

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

Nouryon Chemicals India Pvt.Ltd.

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

Sr. No	Department	Name of worker	Sex	Age (last birthday)	Date of employment of present work	Nature of job or occupation	Date of medical examination	Symptoms/ sign observed during examination	Test conducted to Ascertain health of worker	Health status of worker /disease	Signature of registered medical practitioner with date
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
31.	Peod ^m	Dasheath R Patil	M	48	09/07/94	Field Operator	11/11/20			Med. fit	
32.	Peod ^m	Deepak M Joshi	M	54	09/09/91	Field Operator	11/11/20			consult ophthalmologist for colour blindness Reg. B.P. monitoring & adv. BSL < 50.	
33.	Peod ^m	Sandip M Kadam	M	47	01/05/95	Production Supervisor	11/11/20	B.P. 164/92 mmHg		Med. fit Reg. B.P. & BSL monitoring Consult Physician.	
34.	ETP	Jayesh J Jadhav	M	30	02/01/12	operator ETP	11/11/20			Med. fit	
35.	Electrical	Prashant P Mochivale	M	45	24/10/91	Electrician	23/11/20			Med. fit	
36.	Instrument ^m	Sandip S Patil	M	51	21/12/93	Instrument ^m operator	23/11/20	BSL (R) 225 mg/l		Med. fit Adv. BSL & F consult physician.	
37.	Purchase	Chako T Akamath	M	58	16/09/94	College Manager for Purchase	25/11/20	Wt 104 kg / DM	BSL F 224 mg/l PP 457 mg/l	Consult diabetologist for DM BSL & communicate results reports & opinion.	
38.	Peod ^m	Madhukar N Pordhas	M	56	21/01/92	Panel Operator	04/12/20			Med. fit	
39.	Mechanical	Rajan S Dhodve	M	53	24/11/93	Fitter Mechanical	09/12/20			Med. fit	
40.	Peod ^m	Prakash K Sarda	M	52	11/12/93	Field Operator	09/12/20			Med. fit	

आधिकृत प्र

2020-11/2016

Reg. No. 61776

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

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

Nouryon Chemicals India Pvt.Ltd.

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

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)
41.	Electrical	Bhaerat D Sinimbe	M	50	04/07/91	Electrician	12/12/20			Med. fit	
42.	ETP	Abhishek C Bhandogale	M	29	26/04/19	Operator ETP	23/12/20			Med. fit	
43.	Feed ⁿ	Pardit R Kulkarni	M	55	29/05/91	Panel Operator	25/12/20			Med. fit	
44.	Feed ⁿ	Subhash J Chaudhary	M	55	09/09/91	Field Operator	26/12/20			Med. fit	
45.	HSES	Sanjay G. Salunke	M	43	15/09/98	HSES Manager	26/12/20			Med. fit	
46.	Maintenance	Dattatraya P Thakare	M	54	07/11/92	Maintenance Manager	31/12/20			Med. fit	
47.	Logistics	Milind P Deshpande	M	54	09/12/95	Logistics Manager	31/12/20			Med. fit	
48.	Site Head	Pariz M Salogate	M	43	06/09/96	Site Head	31/12/20			Med. fit	
49.	QC	Vinayak S Amgal	M	49	15/02/94	QC Manager	31/12/20			Med. fit	
50.	Feed ⁿ	Ninad D Kacwadkar	M	33	10/03/11	Feed ⁿ Manager	31/12/20			Med. fit	

कारखाने अधिनियम १९४८ च्या कलम १०(२) प्रमाणे १. वर्षा अविनाशित नोंद घेतली आहे.
राज्य उद्योग विभागकरीता दिनांक २६ ऑक्टो. २०२० पासून २५ ऑक्टो २०२२ पर्यंत प्राधिकृत प्रमाणक शह्य विक्रेतांक क्र. ACS25-VN/2016

Reg.No. 61776

MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION
(A Government of Maharashtra Undertaking)

HEAD OFFICE : "Udyog Sarthi", Mahakali Caves Road,
Andheri (E), Mumbai – 400 093.
Tele: (022) 26870052/54/27/73 Fax : (022) 26871587
PRINCIPAL OFFICE : 4,4 (A), 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.



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Manifest For Hazardous And Other Waste

Submitted Date : 10-11-2020

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 & C-61 PART/PART, MIDC INDUSTRIAL AREA MAHAD, DIST RAIGAD	9049008512	milind.deshpande@nouryon.com

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No.0000003495/2003000030	MPCB-HW_MANIFEST-0000057239	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/AF-3358	PLOT NO 32,MIDC, TALOJA, DIST RAIGAD, PIN 410208	2227401468	mbdmwml@ramky.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	10-11-2020	35.3 Chemical sludge from waste water treatment	Sludge from waste water treatment	0.940	MT	CHWTSDF	M/s. Mumbai Waste Management Ltd. (MWML), Taloja, Raigad.	Maharashtra	M/s. Mumbai Waste Management Ltd. (MWML)	Taloja, Raigad.	2227401468	mbdmwml@ramky.com
Number of Containers				Physical Form				Special Handling Instructions And Additional Information				
1				Solid				Use corret 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-0000013274

Submitted On:

02-06-2020

Submitted for Year:

April 2019 to March 2020

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. 0000003495/2003000030

Date of issue

Mar 12, 2020

Date of validity of consent

Feb 28, 2021

2. Name of the authorised person

Amit M.Salagare

Full address of authorised person

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

Telephone

904917339

Fax

02145232148

Email

amit.salagare@nouryon.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	Organic Peroxide	3419.52	754	MT/A
Chemical ,Petrochemical &Electrochemical	Metal Alkyls	1701.96	315	MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Chloride Salt	1296.00	19	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
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	ETP Sludge	14.00	2.617	MTA
20.2 Spent solvents	Spent Solvent	24.00	1.310	MTA
12.2 Spent acid and alkali	Spent Chemicals	20.00	2.08	MTA
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	Empty containers	240.00	221	numbers/anum

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
34.2 Sludge from treatment of waste water	2.282	MTA	Disposal Facility	Mumbai Waste

20.2 Spent solvents	1.310	MTA	Co-processors or pre-processor	Kusum Distillation & Refining Pvt. Ltd
12.2 Spent acid and alkali	2.08	MTA	Disposal Facility	Mumbai Waste Management Ltd
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	226	numbers/anum	Disposal Facility	Mumbai waste Management Ltd

3. Quantity Utilised in-house,If any

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

4. Quantity in storage at the end of the year

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

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

1.Total Quantity received	UOM	State Name
NA	KL/Anum	Other

2. Quantity in stock at the beginning of the year	UOM
NA	KL/Anum

3. Quantity treated	UOM
NA	KL/Anum

4. Quantity disposed in landfills as such and after treatment

Direct landfilling	UOM
NA	KL/Anum

Landfill after treatment	UOM
NA	KL/Anum

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

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

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

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

1. Quantity of waste received during the year

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

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

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

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

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

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

Personal Details

Place	Date	Designation
MAHAD	2020-06-02	SITE MANAGER

Nouryon Chemicals India Private Limited
Emergency Drill Report

F-HSE-08

Sr. No.	Check point	Observation
1	Drill No.	2020/Emergency preparedness Drill/02
2	Date of mock drill	13.11.2020
3	Time	10.33 hrs
4	Location	2EHCF Bulk storage tank
5	Description of emergency	2EHCF Heavily leakage from bottom manhole of storage tank T 300.02
6	First observer of Incidence	Production Operator
7	Emergency siren raised at	10.36 hrs
8	All clear siren raised at	11.15 hrs
9	Chief incident controller reporting time	10.38 hrs
10	Site controller name Reporting time	N D Kawathekar 10.38 hrs
11	Incident controllers name	Roshan Jadhav and S D Patil
12	Emergency control room coordinator Reporting time	N D Tembe 10.40 Hrs
13	Assembly point 1, in charge	D P Thakur
14	Assembly point 2, in charge	Security Supervisor, Mr. Bansode
15	Emergency team members	Production operator, Mechanical fitter
16	First aider	Sayali Mahadik
17	Duties performed by the security in charge	<ul style="list-style-type: none"> • Closed the main security gate & locked Small 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 given information to Production supervisor about 2EHCF leakage from storage tank T 300.02 • Incident Controller raised emergency siren after getting confirmation from Chief Incident Controller. • Chief Incident Controller conducted coordination meeting and directed emergency team for mitigation of emergency. • Emergency team Members including production supervisor and production operators reached incident location for support.

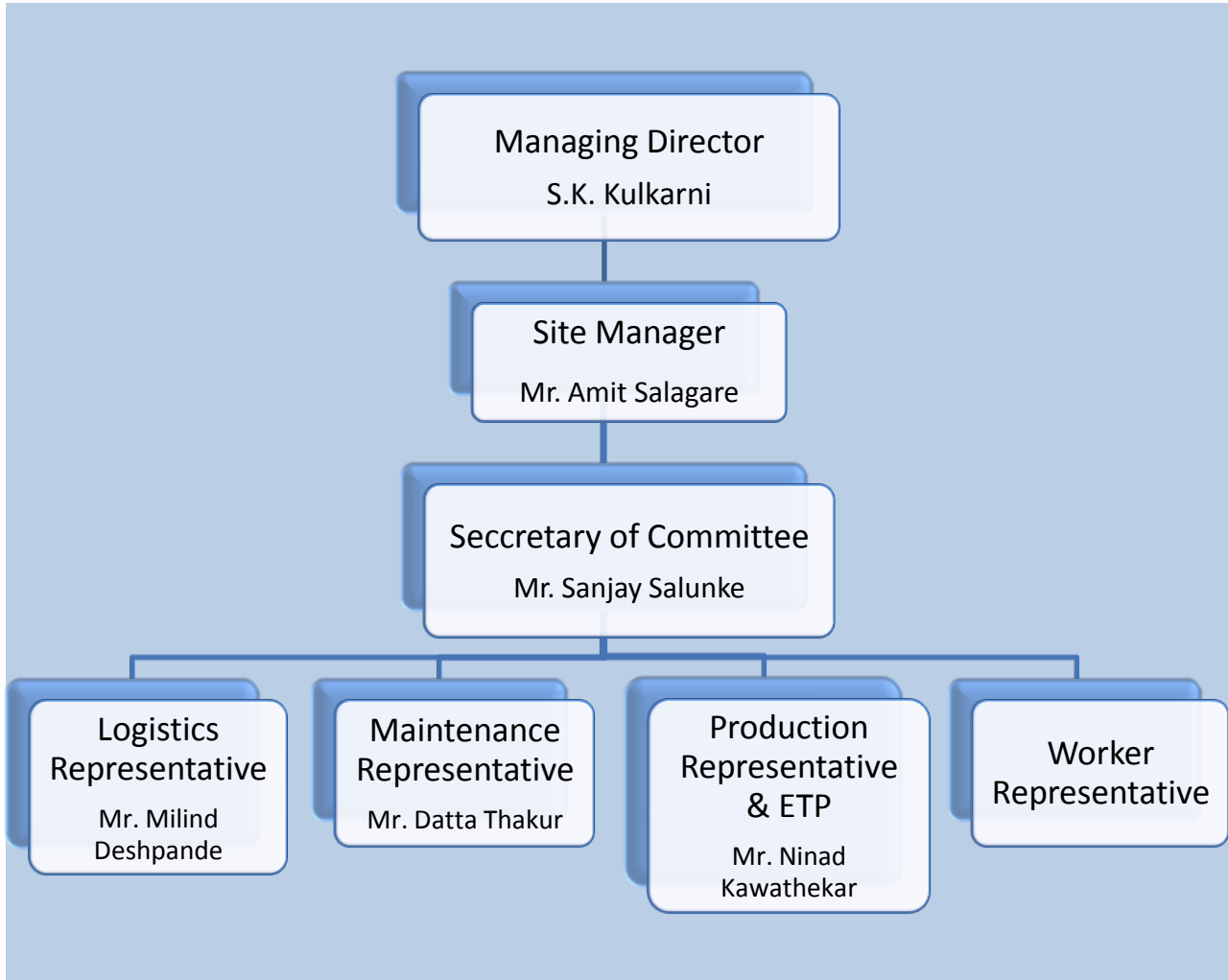
		<ul style="list-style-type: none"> • Shift supervisor checked the initial level of tank to know the leak quantity. • Evacuation of all employees & contractors confirmed by Chief Incident Controller. • Mechanical fitter used appropriate PPE and respiratory protection for attending the leakage of the tank.
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"> • Not asked for external help.
21	<u>Positive observations during the emergency</u> <ul style="list-style-type: none"> • Both the production supervisor and operators were available for help at location. • All contract workers assembled at Assembly point 1 & 2. • All the site key personnel shifted there walky talky sets on channel No. 1 and effective communication was there. • Expected actions as per site emergency plans were taken by key personnel. • The MSDS of 2EHCF was easily available with production team, the actions are taken as per the instructions given in the MSDS. • The air direction was checked by emergency team members before attending the emergency. • External communication statement by spoke person were practised. • The questions were asked to the spoke person by employees as a media reporter and spoke person answered it as per the external communication plan. 	
22	<u>Improvement areas noticed with respect to the plan</u> <ul style="list-style-type: none"> • To discuss the observations in Site management Team meeting to check possible improvement actions. • To review the OESP for updating the changes. 	
23	<u>Action plan for improvement</u> Action plan will be done during HSES committee meeting	

Amit Salagare
Chief incident controller

Sanjay Salunke
Observer

Ninad Kawathekar
Site controller

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

Rain Water Harvesting





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

Gazetted By Ministry of Environment & Forest Govt Of INDIA. S. O. 857 (E), Valid upto 25/02/2023 * QCI-NABET Accredited EIA Consultancy

ANALYSIS TEST REPORT

Report No	SEETL210000672	Report Date	13/03/2021
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. 4200115141, Dated-08.02.2021		
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021
ULR No	-		
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

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)	32	Humidity (%)	29
Wind Speed (km/hr)	7	Wind Direction (deg ^o)	SW,215
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	77	µg/m ³	100.00	IS 5182(Part 23)2006RA: 2017
PM _{2.5}	41	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017
SO ₂	19	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2017
NO _x	26	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH ₃)	<20	µg/m ³	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 rd edition by J P Lodge: 2002
CO	0.92	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 2017
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)	23	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 condition prevailing at the time of Sampling.
2) The above results relate only to the item tested.
3) PM₁₀-Particulate Matter of size < 10 µm
4) PM_{2.5} - Particulate Matter of size < 2.5 µm
5) NAAQS-National Ambient Air Quality Standards



Authorized Signatory
Nilesh Naik

Verified by:

Format No. SEETL/LD/F-72

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

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



Sadekar Enviro Engineers Pvt. Ltd.

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

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ANALYSIS TEST REPORT

Report No	SEETL210000673	Report Date	13/03/2021	
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. 4200115141, Dated-08.02.2021			
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
ULR No	-			
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%)	51

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)	32	Humidity (%)	29
Wind Speed (km/hr)	7	Wind Direction (deg ^o)	SW,215
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	68	µg/m ³	100.00	IS 5182(Part 23)2006RA: 2017
PM _{2.5}	38	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017
SO ₂	17	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2017
NO _x	24	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH ₃)	<20	µg/m ³	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 rd edition by J P Lodge: 2002
CO	0.97	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 2017
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)	24	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 condition prevailing at the time of Sampling.
2) The above results relate only to the item tested.
3) PM₁₀-Particulate Matter of size < 10 µm
4) PM_{2.5} - Particulate Matter of size < 2.5 µm
5) NAAQS-National Ambient Air Quality Standards



Authorized Signatory
Nilesh Naik

Verified by:

Format No. SEETL/LD/F-72

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ANALYSIS TEST REPORT

Report No	SEETL210000674	Report Date	13/03/2021	
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. 4200115141, Dated-08.02.2021			
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
ULR No	-			
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours	
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%)	51

AMBIENT AIR STATION

Location of H.V.S.	Near Old ETP		
Lateral Distance	5.0 Meter From Old ETP		
Receptor Distance	1.5 Meters From Ground Level		
Ambient Temperature (°C)	32	Humidity (%)	29
Wind Speed (km/hr)	7	Wind Direction (deg ^o)	SW,215
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)		

POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM ₁₀	71	µg/m ³	100.00	IS 5182(Part 23)2006RA: 2017
PM _{2.5}	40	µg/m ³	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011: 2017
SO ₂	21	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2017
NO _x	26	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2017
Ammonia (NH ₃)	<20	µg/m ³	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 rd edition by J P Lodge: 2002
CO	1.09	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 2017
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)	24	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 condition prevailing at the time of Sampling.

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

3) PM₁₀-Particulate Matter of size < 10 µm

4) PM_{2.5} - Particulate Matter of size < 2.5 µm

5) NAAQS-National Ambient Air Quality Standards



Authorized Signatory
Nilesh Naik

Verified by:

Format No. SEETL/LD/F-72

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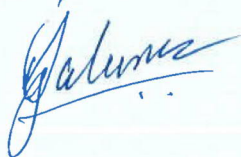
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ANALYSIS TEST REPORT				
Report Decoding No	SEETL210000675	Report Date	13/03/2021	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.			
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302,			
Order / Reference	PO No. 4200115141, Dated-08.02.2021			
Date Of sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
ULR No.	-			
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Sample Collected By	SEETL Representative			
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%)	51
DETAILS OF STACK				
Attached To	Boiler (11 TPH)			
Shape	Round			
Diameter (mm)	860			
Height From Ground Level (Mtr)	30			
Temperature (°C)	124.00			
Velocity of Flue Gases (m/sec)	5.66			
Volume of Flue Gases (m ³ /hour)	10238.04			
Type of Fuel	LDO			
POLLUTIONAL PARAMETERS				
Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	57	mg/Nm ³	150	IS 11255 (Part 1):1985 RA. 2019
SO ₂	11	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019
NO _x	29	mg/Nm ³	----	IS 11255 (Part 7):2005 RA. 2017
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested.				
				
 Authorized Signatory Nilesh Naik				

Verified by:



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ANALYSIS TEST REPORT

Report No	SEETL210000676	Report Date	13/03/2021	
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. 4200115141, Dated-08.02.2021			
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
ULR No	-			
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 (%)	51

DETAILS OF STACK

Attached To	DG Set 500 KVA
Shape	Round
Diameter (Mtr)	0.15
Height From Ground Level (Mtr)	10 Mtr
Temperature (°C)	156.00
Velocity of Flue Gases (m/sec)	9.49
Volume of Flue Gases (Nm ³ /hour)	604.00
Type of Fuel	HSD

POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
	DG Set 500 KVA		
Total Particulate Matter	48	mg/Nm ³	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00		
SO ₂	4.8	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO ₂	58.56		
Oxides of Nitrogen (NOx)	39	mg/Nm ³	IS 11255 (Part 7):2005 RA. 2017

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



Authorized Signatory
Nilesh Naik

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ANALYSIS TEST REPORT

Report No	SEETL210000677	Report Date	13/03/2021	
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. 4200115141, Dated-08.02.2021			
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
ULR No	-			
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 (%)	51

DETAILS OF STACK

	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)
Attached To	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)
Shape	Round	Round
Diameter (Mtr)	0.1 Mtr	0.0762 Mtr
Height From Ground Level (Mtr)	6.5	6.0
Temperature (°C)	186.00	171
Velocity of Flue Gases (m/sec)	10.06	9.85
Volume of Flue Gases (Nm ³ /hour)	284.51	108.03
Type of Fuel	HSD	HSD

POLLUTIONAL PARAMETERS

Parameters	Result		Units	Method
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)		
Total Particulate Matter	34	32	mg/Nm ³	IS 11255 (Part 1):1985 RA. 2019
MPCB Limit for TPM	150.00	150.00		
SO ₂	1.4	1.2	Kg/Day	IS 11255 (Part 2):1985 RA. 2019
MPCB Limit for SO ₂	10.56	8.64		
Oxides of Nitrogen (NOx)	31	29	mg/Nm ³	IS 11255 (Part 7):2005 RA. 2017

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



Authorized Signatory
Nilesh Naik

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ANALYSIS TEST REPORT

Report No	SEETL210000678	Report Date	13/03/2021	
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. 4200115141, Dated-08.02.2021			
Date Of Sampling	05/03/2021	Sample Receipt Date	06/03/2021	
Analysis Started on	08/03/2021	Analysis Completed On	13/03/2021	
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 (%)	51

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)	36	36

POLLUTIONAL PARAMETERS

Parameters	Results		Units	MPCB Limit	Method
	Scrubber (Production Plant)	Scrubber (New ETP)			
Acid Mist	15	13	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.



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Nilesh Naik

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ULR NO: TC051501800003762P

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(20-21-0469) REPORT DATE : 06/11/2020 CUSTOMER REF : 4500968182 REF DATE : 23/12/2019
--	---

SAMPLE TYPE: SAMPLE REGISTRATION NO. : WW(20-21-0469) SAMPLING PLAN& METHOD NO.: IS 3025 Part 1:1987 RA 2019 SAMPLING DATE : 30/10/2020 SAMPLE RECEIPT DATE : 31/10/2020 ANALYSIS START DATE : 31/10/2020 ANALYSIS COMPLETE DATE : 06/11/2020	EFFLUENT WATER ANALYSIS LOCATION : ETP Outlet SAMPLE SPECIFICATION: Waste Water SAMPLE COLLECTED BY: SKYLAB SAMPLE QUANTITY : 2 Ltrs
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Sr. No.	Test Parameter	Unit	Result	Limit [#]	Reference Method
1	pH	-	7.06	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	<5	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1335	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	171	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	52	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO4	mg/L	300	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	451	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.5	50	IS 3025 (Part 34), RA 2014: 1988
10	Percent Sodium	%	0.02	60	IS 3025 (Part 45), RA 2014: 1993
11	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
12	Phosphate (total)	mg/L	<0.1	5	IS 3025 (Part 31), RA 2014: 1988
13	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
14	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

[#]: As per MPCB Consent

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

Verified by  Mr. Atul Shahane Chemist		For SKYLAB ANALYTICAL LABORATORY  Mr. S. B. Pansare Authorized Signatory
--	---	---

END OF REPORT

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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(20-21-0469)
 REPORT DATE : 06/11/2020
 CUSTOMER REF : 4500968182
 REF DATE : 23/12/2019

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0469)
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 30/10/2020
 SAMPLE RECEIPT DATE : 31/10/2020
 ANALYSIS START DATE : 31/10/2020
 ANALYSIS COMPLETE DATE : 06/11/2020

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	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B

[#]: As per MPCB Consent

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

Verified by



Mr. Atul Shahane
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare
 Authorized Signatory

END OF REPORT

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ULR NO: TC051501800005819P

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(20-21-0676)
REPORT DATE : 26/12/2020
CUSTOMER REF : 4200112043
REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0676)
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 19/12/2020
SAMPLE RECEIPT DATE : 19/12/2020
ANALYSIS START DATE : 19/12/2020
ANALYSIS COMPLETE DATE : 26/12/2020

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	-	7.08	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	48	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1024	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	138	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	41	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO ₄	mg/L	138	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	517	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.5	50	IS 3025 (Part 34), RA 2014: 1988
10	Percent Sodium	%	6.1	60	IS 3025 (Part 45), RA 2014: 1993
11	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
12	Phosphate (total)	mg/L	<0.1	5	IS 3025 (Part 31), RA 2014: 1988
13	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
14	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

#: As per MPCB Consent

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


Verified by



Mr. Atul Shahane
Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare
Authorized Signatory

END OF REPORT

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TEST REPORT

NAME & ADDRESS OF CUSTOMER:

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

REPORT NO : SAL/FM/61/NCIM/WW(20-21-0676)
REPORT DATE : 26/12/2020
CUSTOMER REF : 4200112043
REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0676)
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 19/12/2020
SAMPLE RECEIPT DATE : 19/12/2020
ANALYSIS START DATE : 19/12/2020
ANALYSIS COMPLETE DATE : 26/12/2020

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	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B

[#]: As per MPCB Consent

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

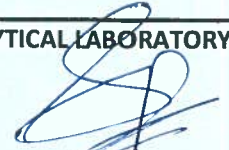
Verified by



Mr. Atul Shahane
 Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare
 Authorized Signatory

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ULR NO: TC051501800005820P

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(20-21-0771)
REPORT DATE : 16/01/2021
CUSTOMER REF : 4200112043
REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0771)
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 09/01/2021
SAMPLE RECEIPT DATE : 10/01/2021
ANALYSIS START DATE : 11/01/2021
ANALYSIS COMPLETE DATE : 16/01/2021

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	-	6.94	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	<5	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	2173	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	245	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	74	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO ₄	mg/L	78	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	71	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.5	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	ND	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	<0.1	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

[#]: As per MPCB Consent

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

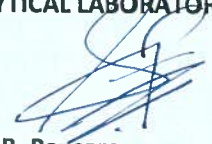
Verified by



Mr. Atul Shahane
Chemist



For SKYLAB ANALYTICAL LABORATORY



Mr. S. B. Pansare
Authorized Signatory

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Recognized by MoEFCC, Govt. of India, valid from 09.06.2020

Add.: 202, CFC - 3, Asmeeta Texpa, Addl. Kalyan - Bhiwandi Industrial Area, MIDC, Village Kon, Tal. Bhiwandi,
Dist. Thane, Maharashtra, INDIA, Pincode - 421311

Mob. No. - 9820386785 / 9867577309 - 312 / 8422929165. Ph. No. - 02522297784 / 85

Email - mails@skylabenviro.com Website - www.skylabenviro.com

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(20-21-0771)
REPORT DATE : 16/01/2021
CUSTOMER REF : 4200112043
REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0771)
SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
SAMPLING DATE : 09/01/2021
SAMPLE RECEIPT DATE : 10/01/2021
ANALYSIS START DATE : 11/01/2021
ANALYSIS COMPLETE DATE : 16/01/2021

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	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.02	60	IS 3025 (Part 45), RA 2014: 1993

[#]: AS per MPCB Consent

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

Verified by

Mr. Atul Shahane
Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare
Authorized Signatory

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ULR NO: TC051501800006825P

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(20-21-0957)
 REPORT DATE : 08/03/2021
 CUSTOMER REF : 4200112043
 REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0957)
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 26/02/2021
 SAMPLE RECEIPT DATE : 27/02/2021
 ANALYSIS START DATE : 27/03/2021
 ANALYSIS COMPLETE DATE : 08/03/2021

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	-	7.27	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	32	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1982	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	217	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	61	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO ₄	mg/L	443	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	457	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.5	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	0.15	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

[#]: As per MPCB Consent

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

Verified by

F. Shahane

Mr. Atul Shahane
 Chemist



For SKYLAB ANALYTICAL LABORATORY

S. B. Pansare

Mr. S. B. Pansare
 Authorized Signatory

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TEST REPORT

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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(20-21-0957)
 REPORT DATE : 08/03/2021
 CUSTOMER REF : 4200112043
 REF DATE : 23/01/2021

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(20-21-0957)
 SAMPLING PLAN & METHOD NO.: IS 3025 Part 1:1987 RA 2019
 SAMPLING DATE : 26/02/2021
 SAMPLE RECEIPT DATE : 27/02/2021
 ANALYSIS START DATE : 27/03/2021
 ANALYSIS COMPLETE DATE : 08/03/2021

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	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.021	60	IS 3025 (Part 45), RA 2014: 1993

#. As per MPCB Consent

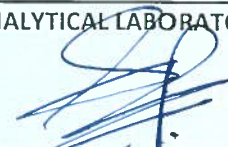
Opinion/Observation: Analyzed parameters in above tested sample are within limit as per specified standard.

Verified by


 Mr. Atul Shahane
 Chemist



For SKYLAB ANALYTICAL LABORATORY


 Mr. S. B. Pansare
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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000025822

Submitted Date

10-09-2020

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)

6948

Scale

Large

City

Mahad

Pincode

402302

Person Name

Sanjay G. Salunke

Designation

Manager HSE&S

Telephone Number

9049173399

Fax Number

02145 232148

Email

sanjay.salunke@nouryon.com

Region

SRO-Mahad

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent NumberFormat 1.0/CC/UAN No.
0000003495/2003000030**Consent Issue Date**

12.03.2020

Consent Valid Upto

28.02.2021

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Organic Peroxide(Pure)	3419.52	754	MT/A
Refilling/Blending of Metal Alkyls(Pure)	1701.96	315	MT/A
Sodium Chloride Salt	1296	19	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	NA	NA	CMD

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	470	200
	60	26

All others	100	38
Total	640	275

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Effluent discharged	504	219	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	78	59.55	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	0.35 to 0.87	0.31 to 0.70	
TBHP	0.52 to 0.93	0.37 to 0.64	
Chloroformates	0.36 to 0.68	0.48 to 0.70	
Hydrogen peroxide	0.11to 0.15	0.09 to 0.11	
TMBH	0.31	0.31	
NaOH	0.31 TO 0.94	0.17 to 0.46	
KOH	0.09	0.04 to 0.10	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	100	72	

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	NA	8.14	NA	5.5 to 9	NA
Total Suspended solids	NA	43	NA	100	NA
BOD 3 days 27 Deg C	NA	74	NA	100	NA
COD	NA	234	NA	250	NA
Oil & grease	NA	5	NA	10	NA
Total ammocial nitrogen	NA	0.5	NA	50	NA
Total dissolved solids	NA	1842	NA	2100	NA
Sulphates	NA	179	NA	1000	NA
Sodium	NA	0.1	NA	60	NA
Phenolic compound	NA	0.001	NA	5	NA
Chromium (Hexavalent)	NA	0.05	NA	0.1	NA

Phosphate (as P)	NA	0.1	NA	5	NA
Bio assay test	NA	92 % Survival of fish after 96 hrs in 100% of effluent	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA
Chlorides	NA	576	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		
PM	NA	41	NA	150	NA
SO2	NA	0.7	NA	NA	NA
NOX	NA	48	NA	NA	NA

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
5.1 Used or spent oil	334	0	
34.1 Chemical-containing residue arising from decontamination.	700	0	
20.2 Spent solvents	1200	1310	
35.3 Chemical sludge from waste water treatment	1515	2617	
31.1 Process residue and wastes	475	0	
12.2 Spent acid and alkali	0	2085	
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0	221	Nos./Y

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Solid waste	120	96	MT/A

2) From Pollution Control Facilities

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

3) Quantity Recycled or Re-utilized within the unit

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

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.

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
12.2 Spent acid and alkali	2080		NA
20.2 Spent solvents	1310		NA
20.2 Spent solvents	1200		NA
35.3 Chemical sludge from waste water treatment	2617		NA
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	221	Nos./Y	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Decontaminated metal drums,Plastic wrappers,scrap	96	MT/A	NA

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	13459	0	0

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)
NA	NA	NA

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Installation of Solar Power panels at Site	Installation of Solar Power panels at Site for solar power generation	Zero investment project

Any other particulars in respect of environmental protection and abatement of pollution.

Particulars

NA

Name & Designation

Sanjay G.Salunke, Manager HSE&S



Towards sustainable growth

Mumbai Waste Management Limited

Certificate

M/s. Nouryon Chemicals India Pvt. Ltd.

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

Membership no.: MWML - HzW - M.H.D. 4491

This Certificate is valid up to

.....31st MAR 2021.....

Onkar A. Kulkarni
Manager - MBD

Somnath Malgar
Director