

Date : 12.12.2019

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

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

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

Respected Sir,

With reference to the above Subject, we are submitting Environmental Compliance Status Report of **M/s Nouryon Chemicals India Pvt. Ltd.** (Formerly M/s Akzo Nobel India Limited) located at Plot No. E-18, 19, 20 & C-61 (Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; for the period from April 2019 to September 2019 along with supporting documents (Refer Enclosed Annexures).

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

Thanking you,

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



Authorized Signatory

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

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

**(April 2019 to September 2019)**

**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 first consent to operate with amalgamation of existing consent to operate; vide No. Format 1.0/BO/AST/MPCB-CONSENT-0000074098/O-1908000496 dated 19.08.2019; copy enclosed as **Annexure-3**.

### 1.2 Project Description

Salient Features of the Project:

Location	Plot No. E-18, 19, 20 & C-61 (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 <b>Annexure-4.</b>		
Water supply	Source - Maharashtra Industrial Development Corporation. Permission has obtained from MIDC for water supply; copy enclosed as <b>Annexure-5</b> and MIDC water bill copy of April 2019 month is enclosed as <b>Annexure-6.</b>		
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	- 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	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
<b>SPECIFIC CONDITION :</b>		
(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.
<b>GENERAL CONDITIONS:</b>		
(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, secondary & tertiary treatment and as per consent to operate vide No. Format 1.0/BO/AST/ MPCB-CONSENT-0000074098/O-1908000496, dated 19.08.2019, schedule I (C); industry has permission to discharge treated effluent to MMA-CETP for further treatment and disposal. CHWTSDF NOC copy is enclosed as <b>Annexure-7</b> .
(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 0.1 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 <b>Annexure-8</b> .
(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 <b>Annexure-9</b> . 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 <b>Annexure-9</b> . Acoustic enclosures, hoods and silencers are provided to all noise generating equipment's as per requirements. i.e. D.G. Set.
(xiii)	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant	Complied. Company has well designed CSR policy; company has planted more than 500 trees near Mahad area. Project proponent has planted 529 number of trees near in industry premises; tree



	species and in consultation with the local DFO/ Agriculture Dept.	list is enclosed as <b>Annexure-10</b> .
(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 <b>Annexure-11</b> .
(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 <b>Annexure-12</b> .
(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/BO/AST/MPCB-CONSENT-0000074098/O-1908000496 dated 19.08.2019 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 <b>Annexure-13</b> . Annual return of hazardous waste (Form-4) is being submitted on MPCB portal copy is enclosed as <b>Annexure-14</b> .
(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 05.06.2019; mock drill report copy is enclosed as <b>Annexure-15</b> .
(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 <b>Annexure-16</b> .

(xx)	<p>Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB &amp; this department.</p>	<p>Complied. Separate funds are allocated for environmental protection measures /EMP, item-wise break-up is below.</p> <table border="1" data-bbox="870 338 1508 997"> <thead> <tr> <th data-bbox="870 338 943 443">Sr. No.</th> <th data-bbox="943 338 1252 443">Cost of environmental protection measures</th> <th data-bbox="1252 338 1508 443">Capital Cost &amp; recurring cost (Rs.) in lacks</th> </tr> </thead> <tbody> <tr> <td data-bbox="870 443 943 485">1.</td> <td data-bbox="943 443 1252 485">Air Pollution Control</td> <td data-bbox="1252 443 1508 485">0.35</td> </tr> <tr> <td data-bbox="870 485 943 554">2.</td> <td data-bbox="943 485 1252 554">Water Pollution Control</td> <td data-bbox="1252 485 1508 554">12</td> </tr> <tr> <td data-bbox="870 554 943 623">3.</td> <td data-bbox="943 554 1252 623">Noise Pollution Control</td> <td data-bbox="1252 554 1508 623">0.3</td> </tr> <tr> <td data-bbox="870 623 943 728">4.</td> <td data-bbox="943 623 1252 728">Environment monitoring and Management</td> <td data-bbox="1252 623 1508 728">0.6</td> </tr> <tr> <td data-bbox="870 728 943 798">5.</td> <td data-bbox="943 728 1252 798">Occupational health and safety</td> <td data-bbox="1252 728 1508 798">3.65</td> </tr> <tr> <td data-bbox="870 798 943 840">6.</td> <td data-bbox="943 798 1252 840">Green Belt</td> <td data-bbox="1252 798 1508 840">5.5</td> </tr> <tr> <td data-bbox="870 840 943 909">7.</td> <td data-bbox="943 840 1252 909">Solid waste management</td> <td data-bbox="1252 840 1508 909">8</td> </tr> <tr> <td data-bbox="870 909 943 951">8.</td> <td data-bbox="943 909 1252 951">Rain water harvesting</td> <td data-bbox="1252 909 1508 951">0</td> </tr> <tr> <td colspan="2" data-bbox="870 951 1252 997" style="text-align: right;">Total Cost</td> <td data-bbox="1252 951 1508 997">30.4</td> </tr> </tbody> </table>	Sr. No.	Cost of environmental protection measures	Capital Cost & recurring cost (Rs.) in lacks	1.	Air Pollution Control	0.35	2.	Water Pollution Control	12	3.	Noise Pollution Control	0.3	4.	Environment monitoring and Management	0.6	5.	Occupational health and safety	3.65	6.	Green Belt	5.5	7.	Solid waste management	8	8.	Rain water harvesting	0	Total Cost		30.4
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(xxi)	<p>The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a></p>	<p>Project proponent is working on it; EC advertisement will give in local newspaper within next few days.</p>																														
(xxii)	<p>Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard &amp; soft copies to the MPCB &amp; this department, on 1<sup>st</sup> June &amp; 1<sup>st</sup> December of each calendar year.</p>	<p>Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance to respective authorities on regular basis</p>																														
(xxiii)	<p>A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also</p>	<p>Project proponent has consented to condition.</p>																														

	be put on the website of the Company by the proponent.	
(xxiv)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance with results of monitored data to respective authorities on regular basis. Monitoring of ambient air, stack, effluent and noise is being done through MoEF & NABL authorized laboratory and monitored data of criteria pollutants (SPM, RSPM, and SO <sub>2</sub> & NO <sub>x</sub> ) is displayed near company main gate and it is being updated regularly. Monitoring report copies are enclosed as <b>Annexure-17</b> .
(xxv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance including results of monitored data of stack, ambient air, effluent & noise to respective authorities on regular basis
(xxvi)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. Environmental statement report for financial year ending with March, 2019 is submitted; copy is enclosed as <b>Annexure-18</b> .
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 <b>IOD/IOA/Concession/Plan Approval Number:</b> Not applicable. industrial project <b>Approved Built-up Area:</b> 8345.7
13.Note on the initiated work (If applicable)	no work is initiated
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	not applicable. Plan will be submitted to MIDC, Mahad.
15.Total Plot Area (sq. m.)	86478 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	<b>FSI area (sq. m.):</b> Not applicable <b>Non FSI area (sq. m.):</b> Not applicable <b>Total BUA area (sq. m.):</b> Not applicable
18 (b).Approved Built up area as per DCR	<b>Approved FSI area (sq. m.):</b> <b>Approved Non FSI area (sq. m.):</b> <b>Date of Approval:</b>
19.Total ground coverage (m2)	Not applicable

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

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

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	240400000



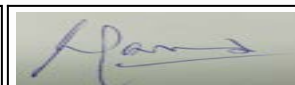
# Government of Maharashtra

## 22. Production Details

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

## 23. Total Water Requirement

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



## 24.Details of Total water consumed

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

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

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

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



## 28.Solid waste Management

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

# 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



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

**Government of Maharashtra**

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

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

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

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

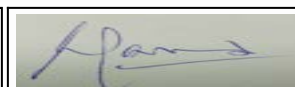
### 37. Details of pollution control Systems

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

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

### 38. Environmental Management plan Budgetary Allocation

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



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

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

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

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

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

#### 40. Any Other Information

No Information Available

Maharashtra

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

**3. The proposal has been considered by SEIAA in its 115th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:**

**Specific Conditions:**

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.





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

# Government of Maharashtra

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

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

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

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

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

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

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



Shri Satish.M.Gavai (Member Secretary SEIAA)

**Copy to:**

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. REGIONAL OFFICE MPCB RAIGAD
10. REGIONAL OFFICE MIDC RAIGAD
11. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
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, 1<sup>ST</sup> FLOOR, 8-B, MIDDLETON STREET,  
KOLKATA – 700071, WEST BENGAL, INDIA



GOVERNMENT OF INDIA  
MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

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

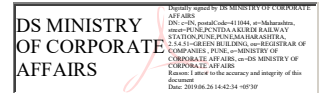
**Certificate of Incorporation pursuant to change of name**  
*[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]*

Corporate Identification Number (CIN): U24100PN2018PTC174373

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

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

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



CHEREDDY JAGANADH REDDY

Registrar of Companies

RoC - Pune

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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

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : enquiry@mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Red/LSI

Date: 19/8/2019

Consent No: Format 1.0/BO/AST/MPCB-CONSENT-0000074098 /O- 1908000496

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: First Consent to operate with amalgamation of existing Consent to Operate in Red Category.
- Ref:
1. Consent to Operate granted vide Format 1.0/ BO/AS(T)/EIC NO. RD-2919-14/Raigad/AMD/CC-3700 dtd. 16.03.2016 which is valid up to 28.02.2021.
  2. Consent to establish granted vide Format 1.0/BO/AST/UAN No. 0000018005/E-1705001114 dtd. 31.05.2017 which is valid up to commissioning of the unit or 5 year whichever is earlier
  3. Your Application No. MPCB-CONSENT-0000074098.
  4. Minutes of the 3<sup>rd</sup> Consent Committee Meeting dtd. 20.07.2019.

For 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 (M & T M) 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 industry is 69.48 Cr. as per C.A. Certificate submitted by the Industry.
3. The Consent is valid for the manufacture of -

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

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

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	504.00	As per Schedule I	MMA- CETP
2.	Domestic effluent	55.0	As per Schedule I	On land for gardening

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Combined Scrubber		As per Schedule - II

2.	DG Set (500 KVA)	1	As per Schedule - II
3.	DG Set (200 KVA)	1	As per Schedule - II
4.	Boiler	1	As per Schedule - II

6. Conditions under Non Hazardous Solid Wastes for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Quantity	UOM	Disposal
1.	Plastic Waste/ Plastic Wrappers/Scrap	144	MT/A	Sale to authorized party

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

Sr. no.	Type of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	Used / Spent Oil	5.1	2.4	MT/A	....	CHWTSDF / Sale to authorized party
2.	Spent solvent	20.2	12	MT/A	....	
3.	Discarded containers/ barrels /liners	33.3	120	No's/A	....	
4.	Alkali Residue	12.2	20.0	MT/A	.....	CHWTSDF
5.	Chemical-containing residue from decontamination and disposal	33.1	2.40	MT/A	....	CHWTSDF
6.	Chemical Sludge from treatment of waste water	34.3	7.2	MT/A	....	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke etc. 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. Industry shall strictly comply the conditions laid down in Environmental Clearance granted by the Government of Maharashtra dtd. 26.04.2018.
11. This consent is issued as per the Environmental Clearance and with overriding effect on earlier Consent to operate granted vide letter No. Format 1.0/ BO/AS(T)/EIC NO. RD-2919-14/Raigad/AMD/CC-3700 dtd. 16.03.2016 which is valid up to 28.02.2021.
12. This consent is issued with pursuant to the decision of 3<sup>rd</sup> Consent Committee Meeting dtd. 20.07.2019.

For and on behalf of the  
Maharashtra Pollution Control Board

(E. Ravendiran, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1.	50,000.00	581216	17.10.2014	SBI
2.	25,000.00	582211	20.11.2014	SBI

3.	75,000.00	583677	07.12.2015	SBI
4.	75,000.00	583678	07.12.2015	SBI
5.	75,000.00	583679	07.12.2015	SBI
6.	45,000.00	583680	07.12.2015	SBI
7.	1,20,000.00	583812	21.01.2016	SBI
8.	2,00,000.00	GN19058AA1	27.02.2019	Deutsche Bank

**Copy to:**

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



Maharashtra Pollution Control Board

### Schedule-I

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

- 1) A) As per your application, you have installed full-fledged Effluent Treatment Plant (ETP) common for trade and sewage effluent with the design capacity 700.00 CMD consisting of Primary, Secondary and Tertiary treatment.
- 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	Standards prescribed by Board (If any)
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
1.	pH	5.5 to 9.0
2.	BOD (3 days 27°C)	100
3.	COD	250
4.	Suspended Solids	100
5.	Oil & Grease	10
6.	Total Dissolved Solids	2100
7.	Chlorides	600
8.	Sulphates	1000
9.	% Sodium	60%
10.	Phenolic Compound	5.0
11.	Total Ammonical Nitrogen	50
12.	Chromium (Cr +6)	0.10
13.	Sulphides (as S)	2.0
14.	Phosphates (as P)	5.0
15.	Bioassay 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) Industry shall provide online monitoring system as per the CETP protocol and its connectivity to MPCB server.
- 2) A) As per your consent application, you are treating the sewage in existing ETP with the design capacity of 700 CMD.
- B) In this case the treatment system is combine for trade effluent and sewage then the standards and disposal path prescribed at Sr. No. 1B and C of the Schedule-I shall be applicable.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and or 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	100.0
2.	Domestic purpose	55.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	635.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others: i) Gardening	100.0

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



Maharashtra Pollution Control Board

### 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 also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack To	Attached APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO <sub>2</sub> Kg/Day
1.	Combined Scrubber	Water Scrubber	16	--	--	--
2.	DG Set (500 KVA)	Acoustic enclosure	4.5*	HSD	100 Lit/Hr	48.0
3.	DG Set (200 KVA)		3.5*	HSD	35 Lit/Hr	16.8
4.	Boiler	--	15	LDO	35 Kg/Hr.	30.2

(\* - above roof level)

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

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
SO <sub>2</sub> (Process)	Not to exceed	50 ppm
HCL	Not to exceed	35 mg/Nm <sup>3</sup>

3. The applicant shall provide specific Air Pollution control equipment's as per the conditions of EP Act, 1986 and rule made there under from time to time/Environmental Clearance/CREP guidelines.
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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.	Bank Guarantee (C to E/O/R)	Amt. of BG imposed (existing)	Submission period	Purpose of BG	Compliance period	Validity period
1.	C to O	5.0 Lakh	Existing	Towards O & M of PCS and compliance of consent conditions	28.02.2021	30.06.2021

**Schedule-IV**  
**General Conditions:**

- 1) 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.
- 2) 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.
- 3) 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 equipment's, the production process connected to it shall be stopped.
- 4) 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.
- 5) The firm shall submit to this office, the **30<sup>th</sup> day of September every year, the Environmental 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.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW & other waste (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.
- 7) The industry should comply with the Hazardous and other Waste (M & T M) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and other Waste (M & T M) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall made an application for renewal of consent to operate well before 60 days before expiry of existing consent.**
- 10) Industry shall strictly comply with the Water (P & C P) Act, 1974, Air (P & C P) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.
- 15) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 16) **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 MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 17) The industry should not cause any nuisance in surrounding area.
  - 18) 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.
  - 19) The applicant shall maintain good housekeeping.
  - 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
  - 21) 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.
  - 22) 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 equipment's 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.
  - 23) 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.
  - 24) 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 be downloaded from MPCB official site).
  - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
  - 27) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the Hazardous and Other Waste (M & T M) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot 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.

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**List of raw material :**

<b>Name</b>	<b>Total in MT/year</b>
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
<b>Total</b>	<b>10021.4</b>
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 11.50m<sup>3</sup> / day requirement. The rate of water supply will be Rs. 25.50 per Cum, till the BCC is obtained, subjected to revision of water rates by MIDC from time to time.

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


Thanking you.

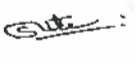
Your's faithfully

  
(S. S. Gite)

Deputy Engineer  
MIDC, Mahad Sub Division, Mahad


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


 <b>Maharashtra Industrial Development Corporation</b> (A Government of Maharashtra Undertaking) Issued Subject to MIDC's water Supply Regulation 1973		GSTIN: 27AAACM3560C1ZV State: 27-Maharashtra		Original for receipt Duplicate for Supplier																										
<b>Water Bill - Provisional</b>		<b>Mahad</b>		Bill No :: S1901185826																										
CustGSTIn: Consumer No. :: DV009/164MHD/301		Issued Date :: 13-05-2019		Month / Year :: April, 2019																										
AKZO NOBEL CHEMICAL INDI PVT. LTD  E-18RAIGADMAHAD IND. AREA  State: 27-Maharashtra		Consumer Type: 1C1 Plot / Shed Area: 20,328.00 Plot / Shed No: E-18 Block No: Zone: 10 Cap. Contribution:		Meter Size: 15 Min. Qty/ Day: 0.50 Min. Qty / Month: 15.00 Sanction Qty / day: Meter Status: Working Stand Chg:																										
Bcc: No Office Order : dt: End Dt: CETP: Yes Office Order : dtd : Env: Yes Builtup Area : 20,328.00		CarpetArea: 0.00		CETP Dep																										
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<table border="1"> <tr> <td>## Previous Balance</td> <td>+</td> <td>## Current Charges</td> <td>=</td> <td>Amount Due Before Due Date</td> <td>Amount Due After Due Date</td> <td>Due Date</td> </tr> <tr> <td>0.00</td> <td></td> <td>29,639.00</td> <td></td> <td>29,639.00</td> <td>29,682.00</td> <td>27-05-2019</td> </tr> </table>		## Previous Balance	+	## Current Charges	=	Amount Due Before Due Date	Amount Due After Due Date	Due Date	0.00		29,639.00		29,639.00	29,682.00	27-05-2019															
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<table border="1"> <thead> <tr> <th rowspan="2">Meter No / Size</th> <th colspan="2">Previous</th> <th colspan="2">Current</th> <th rowspan="2">Water Qty. Cub. Meter</th> <th rowspan="2">Remarks (If Any)</th> </tr> <tr> <th>Reading</th> <th>Date</th> <th>Reading</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>164MHD~7 31253</td> <td>1094</td> <td>31-03-2019</td> <td>1129</td> <td>30-04-2019</td> <td>35</td> <td></td> </tr> <tr> <td>15</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Meter No / Size	Previous		Current		Water Qty. Cub. Meter	Remarks (If Any)	Reading	Date	Reading	Date	164MHD~7 31253	1094	31-03-2019	1129	30-04-2019	35		15										
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Water Charges_L		893.00 0.00		12.00 0.00		2201 GST @ 0.00% 17.00*35.00*1.50																								
Service Charges		5,082.00 0.00		0.00 0.00		998599 GST @ 18.00% (Pit = 20,328.00 * Ri = 3.00) / 12																								
SGST - Service Charge		457.00 0.00		0.00 0.00		998599 SGST @9.00%																								
CGST - Service Charge		457.00 0.00		0.00 0.00		998599 CGST @9.00%																								
Fire Charges		1,863.00 0.00		0.00 0.00		999126 GST @ 18.00% (20,328.00 * 1.10)/12																								
SGST - Fire Charge		168.00 0.00		0.00 0.00		999126 SGST @9.00%																								
CGST - Fire Charge		168.00 0.00		0.00 0.00		999126 CGST @9.00%																								
Drainage Charges		263.00 0.00		4.00 0.00		999490 GST @ 18.00% Wtr = 35.00 * Ri = 7.50																								
SGST - Drainage		24.00 0.00		0.00 0.00		999490 SGST @9.00%																								
CGST - Drainage		24.00 0.00		0.00 0.00		999490 CGST @9.00%																								
Environment Charges		2,042.00 0.00		27.00 0.00		GST @ 0.00% (Wtr = 35.00 * Ri = 0.50) + (Area = 20,328.00 * Area Ri = 0.20) * Ri = 0.50																								
CETP Charges		18,198.00 0.00		0.00 0.00		999433 GST @ 12.00% Security Deposit = 0.00																								
<b>TOTAL</b>		<b>29,639.00</b>		<b>0.00</b>		<b>43.00</b>																								
<b>0.00</b>																														

<b>LAST PAYMENT DETAILS</b>		Rcpt. No		Date				Please Contact Us Twitter @Midc_India FaceBook - midcindia	
20MAH00000186,		25-04-2019,		28,334.00				<b>DEPUTY ENGINEER M.I.D.C.</b>	
Rupees : Twenty Nine Thousand Six Hundred and Thirty Nine Only								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 Saturs Sundays and Public Holidays. For any queries, contact Deputy Engineer, MIDC, Phone No. GST No.....	
For Online Payment visit MIDC web site www.midcindia.org and use Consumer No. DV009/164MHD/301									

\* Please submit your official GST No., email and phone no while paying this bill at receipt counter.  
 \* CETP Treatment charges collected on behalf of CETP Association.



 <b>Maharashtra Industrial Development Corporation</b> (A Government of Maharashtra Undertaking) (Issued Subject to MIDC's water Supply Regulation 1973)		GSTIN: 27AAACM3560C1ZV State: 27-Maharashtra		Original for receipt Duplicate for Supplier																																																																																												
<b>Mahad</b> CustGSTIn:		Issued Date :: 13-05-2019		Bill No :: SI1901185284 Month / Year :: April, 2019																																																																																												
Consumer No. :: DV009/361MHD/301		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:																																																																																												
M/S. AKZO NOBEL CHEMICALS INDIA PVT LTD. E - 19 & 20, E BlockMIDC MAHAD INDL. ARE State: 27-Maharashtra				Deposit Amt. 668,815.00 Add. Sec. Dep.																																																																																												
Bcc: Yes Office Order : dt: 30-12-2014 End Dt: CETP: Yes Office Order : dtd : Env: Yes Builtup Area : 4,465.00		CarpetArea: 0.00 SSI : N ETP : Y CETP : Y MPCB : Y		CETP Dep																																																																																												
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<b>LAST PAYMENT DETAILS</b> Rcpt. No: 20MAH00000185, 25-04-2019, 431,571.00	Date:	 Please Contact Us Twitter @Midc_India FaceBook - midcindia
Rupees : Three Lacs Eighty Two Thousand Eight Hundred and Ninety Three 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 Cwd Payment Timings : 10 30 00 am to 01 30 00 pm, Closed on Satur- 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.  
 \* CETP Treatment charges collected on behalf of CETP Association.

## EXECUTIVE COMMITTEE

### Chairman Emeritus

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

### Chairman

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

### Vice Chairman

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

### Secretary

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

### Treasurer

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

## EXECUTIVE MEMBERS

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

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

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

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



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

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

**AN-ISO CERTIFIED COMPANY**

MMACETP/COR/2018-19/251

Date: 14/03/2019

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

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

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

Dear Sir,

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

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

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

For MMA CETP Co-Operative Society LTD.

Chairman  
(S.B. Pathare)



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



# SADEKAR ENVIRO ENGINEERS PVT. LTD.

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

SAVE LITTER  
SAVE LIFE

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

Lab. accredited by NABL, Valid up to 26.03.2020 ★ Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

ANALYSIS TEST REPORT FOR WATER SAMPLE				
		Report Date	18/05/2019	
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	As Per Dated – 07/05/2019			
Sample Collection Date	07/05/2019	Sample Receipt Date	07/05/2019	
Analysis Started On	08/05/2019	Analysis Completed On	17/05/2019	
Test Report No.	SEETL/W/05/19/032			
Environmental Condition Of Lab	Temp °C	26.9	Humidity %	55
Sampling Point	Khaire Tarf Birwadi (Well Water)			
Sample Details	Ground Water			
Sample Container	PVC Can	Sample Quantity	2000 ml	
Sample Collected By	SEETL Representative			

## Chemical Parameters

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500) 2012	Method
1.	pH	6.770	-	6.5 - 8.5	APHA 4500 - H
2.	Color	<1.0	Hazen	5.0	APHA 2120-B
3.	Odour	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5) : 1983 ( Reaffirmed 2002)
4.	Taste	Agreeable	Agreeable	Agreeable	IS 3025 (Part 7 & 8) : 1984 ( Reaffirmed 2002)
5.	Turbidity	0.20	NTU	1.00	APHA 2130 - B
6.	TDS	436	mg/lit	500	APHA 2540 - C
7.	Ammonia	<0.1	mg/lit	0.5	IS 3025(Part 34):1988 ( Reaffirmed 2014)
8.	Anionic Detergent	<0.08	mg/lit	0.2	APHA 5540 C
9.	Chlorides as Cl <sup>-</sup>	112	mg/lit	250.00	APHA 4500 Cl <sup>-</sup> - B
10.	Fluorides as F <sup>-</sup>	0.2	mg/lit	1.0	APHA 4500 F D
11.	Nitrate as NO <sub>3</sub> <sup>-</sup>	3.08	mg/lit	45.00	APHA 4500 NO <sub>3</sub> -B
12.	Phenolic Compound	<0.001	mg/lit	0.001	APHA 5530 B-C
13.	Total Hardness	160	mg/lit	200.00	APHA 2340 - C
14.	Sulphate as SO <sub>4</sub> <sup>-</sup>	82.20	mg/lit	200.00	APHA 4500 SO <sub>4</sub> - E
15.	Sulfide	<0.05	mg/lit	0.05	APHA 4500 - S <sub>2</sub> -F

Checked By  
Nilesh Naik



Authorized Signatory  
Priti Thombare



# 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 & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 \* QCI-NABET Accredited EIA Consultancy

Lab. accredited by NABL, Valid up to 26.03.2020 \* Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

## ANALYSIS TEST REPORT FOR WATER SAMPLE

		Report Date	18/05/2019
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	As Per Dated – 07/05/2019		
Test Report No.	SEETL/W/05/19/032		

Sr. No.	Parameter	Result	Unit	IS desirable Limit (As per IS 10500) 2012	Method
---------	-----------	--------	------	---	--------

### Chemical Parameters

16.	Total Alkalinity	158	mg/lit	200	IS 3025(Part 23):1986 ( Reaffirmed 2014)
17.	Cyanide as CN	<0.02	mg/lit	0.05	APHA 4500-CN - E

### Metal Analysis

18.	Aluminum	0.02	mg/lit	0.03	APHA 3125 B
19.	Barium as Ba	0.42	mg/lit	0.70	APHA 3125 B
20.	Boron As B	0.16	mg/lit	0.50	APHA 3120 B
21.	Calcium as Ca	46.00	mg/lit	75.00	APHA 3500 Ca-B
22.	Iron as Fe	0.026	mg/lit	0.30	APHA 3125- B
23.	Magnesium as Mg	16.15	mg/lit	30.00	APHA 3500 Mg B
24.	Manganese as Mn	<0.01	mg/lit	0.1	APHA 3125- B
25.	Selenium as Se	<0.0025	mg/lit	0.01	APHA 3125- B
26.	Silver as Ag	<0.01	mg/lit	0.10	APHA 3125 B
27.	Zinc as Zn	0.069	mg/lit	5.00	APHA 3125- B
28.	Cadmium as Cd	<0.0025	mg/lit	0.003	APHA 3500 Cd
29.	Lead as Pb	<0.01	mg/lit	0.01	APHA 3125- B
30.	Mercury as Hg	<0.001	mg/lit	0.001	APHA 3500 Hg
31.	Molybdenum as Mo	<0.01	mg/lit	0.07	APHA 3125 B
32.	Nickel as Ni	0.012	mg/lit	0.02	APHA 3125 B
33.	Arsenic as As	<0.01	mg/lit	0.01	APHA 3125 B

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

: This certificate may not be reproduced in part without the permission of this laboratory.

: Method : APHA 23<sup>rd</sup> Edition :2017

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

Checked By  
Nilesh Naik



Authorized Signatory  
Priti Thombare

Page 2 Of 2

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, Pabel 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. U45200MH1998PTC-116379



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Sample Collection Date	07/05/2019	Sample Receipt Date	07/05/2019	
Analysis Started On	08/05/2019	Analysis Completed On	17/05/2019	
Test Report No.	SEETL/W/05/19/032			
Environmental Condition Of Lab	Temp °C	27.1	Humidity %	51
Sampling Point	Khaire Tarf Birwadi (Well Water)			
Sample Details	Ground Water			
Sample Container	Sterile Glass Bottle	Sample Quantity	250 ml	
Sample Collected By	SEETL Representative			

### Microbiological Parameters

Sr. No.	Parameters	Results	Unit	IS desirable Limit (As per IS 10500) 2012	Method
1	Total coliforms at 37°C for 48 hrs.	Absent	MPN index/100 ml	Absent	APHA-9221-B
2.	E.coli at 44.5°C for 24hrs.	Absent	MPN index/100 ml	Absent	APHA-9221-G

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

: This certificate may not be reproduced in part, without the permission of this laboratory.

: Method : APHA 23<sup>rd</sup> Edition : 2017

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



*Pooja*  
Authorized Signatory  
Pooja Kalange

BRANCH OFF. : 310, Dempo Towers, EDC Patti, 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

## ANALYSIS TEST REPORT FOR NOISE LEVEL MONITORING

		Report Date	04/10/2019
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. 4500907916, Dated-22.08.2019		
Date Of Monitoring	26/09/2019	Time of Sampling	Day
ULR No.	TC708619000001611P		
Report No.	SEETL/N/09/19/660-667		
Monitored By	SEETL Representative		

### DAY TIME NOISE LEVEL MONITORING

Sr. No.	Sampling Location (From 1 meter away)	Report No	Day Time	Noise Limits in dB(A) Leq*
<b># WORK PLACE* NOISE LEVEL MONITORING</b>				
1.	Production Building	SEETL/N/09/19/660	67.2	90
2.	Day Tank Area	SEETL/N/09/19/661	68.3	90
3.	Utility Area	SEETL/N/09/19/662	79.2	90
4.	BCP Area	SEETL/N/09/19/663	84.6	90
5.	R.S. VI	SEETL/N/09/19/664	60.3	90
<b>AMBIENT NOISE LEVEL MONITORING</b>				
1.	Near Main Gate	SEETL/N/09/19/665	56.4	75
2.	Near New ETP	SEETL/N/09/19/666	66.8	75
3.	Near Emmergency Gate	SEETL/N/09/19/667	51.0	75

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

- NOTE:** 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)  
 2) 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.  
 7) \*This parameter is not included in NABL scope.



*P. Thombare*  
 Authorized Signatory  
 Priti Thombare

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 :**

<b>Sr. No.</b>	<b>Name of Tree</b>	<b>No. of tree</b>	<b>Girth CM</b>	<b>Height CM</b>
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.	<b>Mango</b>	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
		29	74	207
		30	86	219
		31	38	155
		32	71	244
		33	58	244
		34	150	207



		35	61	244
		36	81	192
		37	89	244
		38	119	262
		39	89	210
		40	61	223
		41	46	247
		42	8	85
		43	33	128
		44	8	67
		45	61	158
		46	117	244
		47	51	146
		48	46	128
		49	81	244
		50	23	64
		51	142	262
		52	99	210
		53	41	149
		54	61	247
		55	66	207
		56	30	155
		57	51	226
		58	76	207
		59	97	219
		60	76	238
		61	48	7
		62	81	241
		63	102	229
		64	97	223
		65	58	232
		66	8	94
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	--	--
<b>Total</b>		<b>529</b>		

### Health

(In respect of persons employed in occupations

Name of Certifying Surgeon: Dr. Mrs. V. A. Nagpure.

Serial No.	Works No.	Name of worker	Sex	Age (last birth-day)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer or discharge	Nature of job or occupation
1	2		4	5	6	7	8	9
1.		Mamohar M. Khopalkar	M	49	15/12/92			Operator
2.		Rameshram G. Sakpal	M	44	11/1/96			Operator
3.		Rajam S. Dhodve	M	52	24/11/93			Fitter-Maint
4.		Prashant S. Sheth	M	53	31/5/91			Office AC
5.		Paradit R. Kulkarni	M	54	28/6/93			Shift Engg
6.		Prakash K. Saredal	M	51	11/12/93			Operator
7.		Prakash C. Dhondiyal	M	44	17/6/96			Fitter-Maint
8.		Sarojraj B. Babar	M	57	21/2/93			Operator
9.		Ashish D. Nimbalkar	M	44	26/9/93			Fitter-Maint
10.		Kalpesh L. Kadaram	M	34	28/8/97			Office AC
11.		Rakesh H. Shinde	M	47	11/1/94			Maint-Tech
12.		Sardip M. Kadam	M	46	15/9/95			Shift-Engg
13.		Prakash H. Mote	M	51	11/10/93			Fitter-Maint
14.		Ramdas G. Pawar	M	57	18/1/96			Fitter-Maint
15.		Maharaja M. Chitambar	M	47	21/12/95			Electrician

### Register

declared to be dangerous operations under section 87)

(a) Mr. March - 2019 to .....

(a) Mr. .... to .....

(a) Mr. .... to .....

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Results of Medical Examination	If suspended from work state period of suspension with detailed reasons	Certified fit to resume duty on signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date of Certifying Surgeon
10	11			13	14	15
Acetone	19/3/19	consult M.D. Physician for raised B.P. otherwise Medically fit.				
Acid chlorides	-11-	Medically fit.	consult Ophthalmologist for R.F.; otherwise Medically fit.			
	-11-	Medically fit.				
	-11-	Medically fit.	consult M.D. Physician for raised B.P.; otherwise Med. fit.			
	-11-	Medically fit.				
Acid chlorides	-11-	Medically fit.				
	-11-	Medically fit.				
Acid chlorides	-11-	Medically fit.	Medically fit. Adv. weight reduction.			
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				

Note - (i) Column 8 - Detailed summary of reason for transfer or discharge should be stated

# Health

(In respect of persons employed in occupations

Name of Certifying Surgeon :

Serial No.	Works No.	Name of worker	Sex	Age (last birth-day)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer or discharge	Nature of job or occupation
1	2	3	4	5	6	7	8	9
16		Rajendra R Sagvekar	M	55	2/1/95			Stone-Asst
17		Shivaji M Mande	M	31	20/6/17			Elect-Engg
18		Manik U Karase	M	39	12/7/17			Inst-Engg
19		Dipali K Umhikeshwar	M	31	2/5/12			Engg-EP
20		Prakash S Kamk	M	27	2/1/12			Operator
21		Roshan A. Jadhav	M	29	20/11/12			SWT Engg
22		Nishant D Deshmukh	M	43	6/1/17			Mech-Engg
23		Sanjay G Salunke	M	42	15/9/98			AM-HSES
24		Nilesh G Dalvi	M	32	17/1/18			HR
25		Chakochan Akkarnath	M	57	16/9/64			Office-Logi
26		Sandip S Patil	M	50	21/12/93			Brick-Mech
27		Deepak M Joshi	M	53	9/9/91			Operator
28		Akshay B Attule	M	24	5/2/18			SWT Engg
29		Milind A Jaitpal	M	46	8/4/95			SWT-Engg
30		Suresh V Sankpal	M	47	2/5/97			SWT Engg

# Register

declared to be dangerous operations under section 87)

- (a) Mr. .... to .....
- From ..... to .....
- (a) Mr. .... to .....
- From ..... to .....
- (a) Mr. .... to .....
- From ..... to .....

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Results of Medical Examination	If suspended from work state period of suspension with detailed reasons	Certified fit to resume duty on signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date of Certifying Surgeon
10	11	12	13	14	15	
	19/3/19	Medically fit.				
	-11-	-11-				
	-11-	Medically fit.				
	-11-	Medically Adv. weight stable				
Sulphuric Acid	-11-	Medically fit.				
	-11-	Medically fit Adv. weight reduction.				
	19/3/19	Medically fit Adv. weight reduction.				
	19/3/19	Medically fit.				
	-11-	Medically fit.				
	19/3/19	Medically fit Adv. weight reduction & medication.				
	-11-	Medically fit Adv. weight reduction.				
Acid chondria	-11-	consult M.D. Physician for raised B.P.; otherwise Medically fit.				
	19/3/19	Medically fit.				
	-11-	consult diabetologist for HbA1c; otherwise Medically fit.				
	-11-	Medically fit.				

**Health**

(In respect of persons employed in occupations

Name of Certifying Surgeon :

Serial No.	Works No.	Name of worker	Sex	Age (last birth-day)	Date of employment of present work	Date of leaving or transfer to other work	Reason for leaving Transfer or discharge	Nature of job or occupation
1	2	3	4	5	6	7	8	9
31		Peshant P Machi vale	M	44	24/10/91			Electrician
32		Dnyandev J Koteji	M	49	10/2/94			Office QC
33		Bhagwan A Ghaut	M	54	13/8/91			Fitter - Maint
34		Dashrath R Patil	M	47	8/7/94			Operator
35		Madhukar N Bhandare	M	55	2/1/92			Shift Incharge
36		Rajesh T. Lad	M	44	11/9/96			Operator
37		Subhash J Chaudhari	M	54	9/9/91			Operator
38		Suresh D Patil	M	52	18/12/93			Shift Incharge
39		Pradip B Tandekar	M	46	22/5/07			Office - QC
40		Nagesh R Kadam	M	27	12/7/16			Electrician
41		Manish R Nark	M	50	12/8/91			Shift Incharge
42		Nandkumar D Tembe	M	46	13/4/12			Shift Incharge
43		Dilip S Jadhav	M	52	6/11/92			Fitter - Maint

**Register**

declared to be dangerous operations under section 87)

- (a) Mr. .... to .....
- From ..... to .....
- (a) Mr. .... to .....
- From ..... to .....
- (a) Mr. .... to .....
- From ..... to .....

Raw material or bye product handled	Date of medical Examination by Certifying Surgeon	Results of Medical Examination	If suspended from work state period of suspension with detailed reasons	Certified fit to resume duty on signature of Certifying Surgeon	If certificate of unfitness or suspension issued to worker	Signature with date of Certifying Surgeon
10	11		12	13	14	15
	19/3/19	Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit.				
Acid Oxides	-11-	Medically fit.				
	-11-	Medically fit. Adv. weight reduction.				
Sulphuric Acid	-11-	Medically fit.				
Acid Oxides	-11-	Consult Physician for BSL otherwise Medically fit.				
	-11-	Medically fit.				
	-11-	Medically fit. Adv. Regular BSL check up & Medication.				
	19/3/19	Medically fit.				
	30/3/19	Medically fit.				
	04/4/19	Medically fit. Adv. weight reduction				
	19/3/19	Medically fit.				

Note - (i) Column 8 - Detailed summary of reason for transfer or discharge should be stated

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



# MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION

(A Government of Maharashtra Undertaking)



No. MIDC/FIRE/Final-NOC/3196

Date: 02/12/2015

M/s. Akzo Nobel Chemicals Ltd.,  
Plot No. E-19, E-20 & C-61, MIDC,  
Mahad Indl. Area.  
Dist – Raigad.

**Sub: Grant of "Final No Objection Certificate" for construction of ETP on Plot No. E-19, E-20 & C-61, MIDC, Mahad Indl. Area...**

Ref : i) This Office "Provisional NOC" No. MIDC/Fire/60,  
Dated 06/01/2012.

ii) Your Application Number; SWC/20/1/20150104/317186.

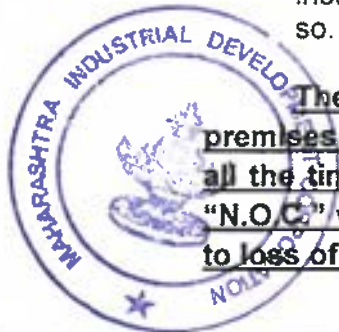
Dear Sir,


With reference to the above, a representative of this office visited your factory on 02/09/2015 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 and form "B" from the License agency M/s. Nisha Enterprise (MFS-LA/RF-0137 & MFS-LA/RD-0105), who is licensed agency registered under the provision of The Maharashtra Fire Prevention and Life Safety Measure Act, 2006. Considering the same "Final No-Objection Certificate" issued to your construction on above mentioned address for the built up area admeasuring to 5938.90 Sqm.

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

1. Under **Section 3** of "Maharashtra Fire Prevention and Life Safety Measures Act, 2006" (hereinafter referred to as "said Act"). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2005 and as amended from time to time failing which it shall be treated as a violation of the said Act.
2. It is presumed that you have completed the work adhering to the provisions under **Section-3** of the said Act.
3. Under **sub-section (3) of Section 3**, it is responsibility of the Owner or the Occupier as the case maybe, shall furnish to The Chief Fire Officer or nominated officer a Certificate in a prescribed form twice a year in the Month of January & July regarding maintenance of fire prevention and life safety measure in good repair and efficient condition as specified in **sub-section (1)**.
4. Under **sub section (4) of Section 3**, no person shall tamper with, alter, remove or cause any injury or damage to any fire prevention and life safety equipment installed in any such building or part thereof or instigate any other person to do so.

**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.**





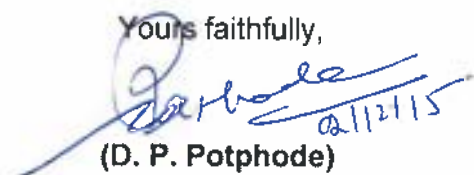
As per Office Order No. MIDC/Fire Dept/1078 dated 12/07/06, M/s. Akzo Nobel Chemicals Ltd., Plot No. E-19, E-20 & C-61 had deposited Initial Fire Protection Fund Fees amounting to Rs. 20,000/- (Rs. Twenty Thousand Only) & Rs. 50,000/- (Rs. Fifty Thousand Only) vide receipt No. 571 & HQC16\_001542, Dated- 29/12/2011 & 13/08/2015.

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,

  
(D. P. Potphode)  
Dy. Chief Fire Officer,  
MIDC, Mumbai-400 093.

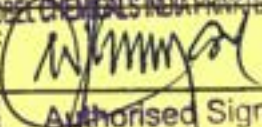

Copy to Executive Engineer, MIDC, Mahad Division (SPA) for information please.

# FORM- 10

( See Rule19(1))

## MANIFEST FO HAZARDOUS AND OTHER WASTE

AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED  
Plot No. E-18, 19 & 20 & C-61(Part) MIDC Area, Mahad  
Dist. Raigad. - 402 309

1.	Sender's Name & Mailing Address (including Phone No. & E-mail)			
	MWML Membership No.:	MWML/H224 MHD - 491 419		
2.	Sender's Registration No.	BO/ASJ/EIC No. RD 2917-14/Raigad/Amol/3700		
3.	Manifest Document No.	A 89792		
4.	Transporter's Name & Address (including Phone No. & E-mail)	Mumbai waste management Ltd. P No 32 MIDC, Talaja, Maharashtra.		
5.	Type of Vehicle	(Truck/ Tanker & Special Vehicle)		
6.	Transporter's Registration No.	BO/RO/CHD) MWML/EIC/M5215/CKK/1492		
7.	Vehicle Registration No.	MH46AR 9926		
8.	Receiver's Name & Mailing Address (including Phone No. & E-mail)	Mumbai Waste Management Ltd. Plot No. P-32, MIDC, Talaja, Dist. Raigad 410 208. 022 - 2740 1468 to 71 & 022 - 2741 1473, Fax: 022 - 274 1474 Email: mbdmwml@ramky.com/mwml@ramky.com		
9.	Receiver' Authorization No.	BO/RO(HQ)/HWMD/EIC No.- NM- 5729-15/CR/CC- 492		
10.	Waste Description	Empty Paint tin		
11.	Total Quantity	.....63 kg.....m <sup>3</sup> or MT		
12.	Number of Containers	Number	Type	
		47 Tin + Loose		
13.	Physical form	(Solid / Semi Solid / Sludge / Oily / Tarry / Slurry / Liquid)		
14.	Waste Category Number			
15.	Special Handling Instruction & Additional Information	Use PPE		
16.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled and are in all respects in proper condition for transport by Road according to applicable national government regulations.		
	Typed Name & Stamp Anil Waghmare	Signature: 	Month	Day
				Year
		06		11
				2019
17.	Transporter Acknowledgment of Receipt of Waste	Authorized Signatory		
Typed Name & Stamp ARASH		Signature: 	Month	Day
				Year
18.	Receiver's Certification of Receipt of Hazardous Waste			
Typed Name & Stamp		Signature:	Month	Day
				Year

Note : 1 ) Please attach Comprehensive Analysis report Photocopy.  
2 ) For each type of waste use separate Manifest Form ( Form - 10)

Copy 2 of 7

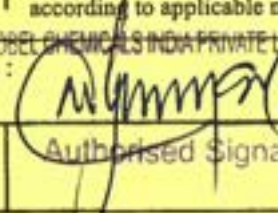
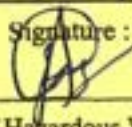
**YELLOW COPY**

To be retained by the sender after taking signature on it from the transporter.

# FORM- 10

( See Rule19(1) )

## MANIFEST FO HAZARDOUS AND OTHER WASTE

1.	Sender's Name & Mailing Address (including Phone No. & E-mail)	AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED Plot No. E-18, 19 & 20 & C-61 (Part) MIDC Area, Mahad Dist. Raigad. - 402 309		
	MWML Membership No.:	mwml/H20/MHD-4491 4619		
2.	Sender's Registration No.	B0/ASJ/EIC MRD 2912.14/Raigad/Amj ccl 3700		
3.	Manifest Document No.	A 89793		
4.	Transporter's Name & Address (including Phone No. & E-mail)	Mumbai Waste Management Ltd. P.No. 32, MIDC, Taloja, Maharashtra		
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)		
6.	Transporter's Registration No.	B0/RO/CH0 MWML/EIC/NO 5215/CR/CL/94		
7.	Vehicle Registration No.	MH46NR 9926		
8.	Receiver's Name & Mailing Address (including Phone No. & E-mail)	Mumbai Waste Management Ltd. Plot No. P-32, MIDC, Taloja, Dist. Raigad 410 208. 022 - 2740 1468 to 71 & 022 - 2741 1473, Fax: 022 - 274 1474 Email: mbdmwml@ramky.com/mwml@ramky.com		
9.	Receiver' Authorization No.	BO/RO(HQ)/HWMD/EIC No.- NM- 5729-15/CR/CC- 492		
10.	Waste Description	ETP sludge		
11.	Total Quantity	1952 kg .....m <sup>3</sup> or MT		
12.	Number of Containers	Number	Type	
		03 TOL, 02 Buckets 06 Bags		
13.	Physical form	(Solid / Semi Solid / Sludge / Oily / Tarry / Slurry / Liquid)		
14.	Waste Category Number			
15.	Special Handling Instruction & Additional Information	Use PPE		
16.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled and are in all respects in proper condition for transport by Road according to applicable national government regulations.		
	Typed Name & Stamp Anil Waghmare	Signature : 	Month	Day
				Year
		0	6	11
		1	2	19
17.	Transporter Acknowledgment of Receipt of Waste	Authorised Signatory		
	Typed Name & Stamp ARASH	Signature : 	Month	Day
				Year
		[ ]	[ ]	[ ]
18.	Receiver's Certification of Receipt of Hazardous Waste			
	Typed Name & Stamp	Signature :	Month	Day
				Year
		[ ]	[ ]	[ ]

Note : 1) Please attach Comprehensive Analysis report Photocopy.  
2) For each type of waste use separate Manifest Form ( Form - 10)

Copy 2 of 7

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# FORM- 10

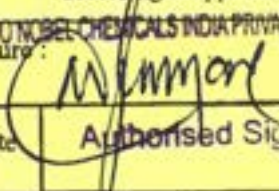
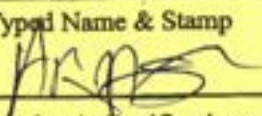

( See Rule19(1) )

## MANIFEST FO HAZARDOUS AND OTHER WASTE

AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED

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

Dist. Raigad - 402 304

1.	Sender's Name & Mailing Address (including Phone No. & E-mail)	AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED Plot No. E-18,19 & 20 & C-61(Part) MIDC Area, Mahad Dist. Raigad - 402 304		
	MWML Membership No.:	MWML/H2/MHD- 4931 4519		
2.	Sender's Registration No.	BU/A S/EIC N RD 29D.14/Raigadmp/cc/3200		
3.	Manifest Document No.	A 89794		
4.	Transporter's Name & Address (including Phone No. & E-mail)	Mumbai Waste Management Ltd. P N 32 MIDC Talaja, Maharashtra		
5.	Type of Vehicle	(Truck / Tanker / Special Vehicle)		
6.	Transporter's Registration No.	BU/RD(HO) MWML/E2/N 5215/CR/CC/492		
7.	Vehicle Registration No.	MH46 AR 9926		
8.	Receiver's Name & Mailing Address (including Phone No. & E-mail)	Mumbai Waste Management Ltd. Plot No. P-32, MIDC, Talaja, Dist. Raigad 410 208. 022 - 2740 1468 to 71 & 022 - 2741 1473, Fax: 022 - 274 1474 Email: mbdmwml@ramky.com/mwml@ramky.com		
9.	Receiver' Authorization No.	BO/RO(HQ)/HWMD/EIC No.- NM- 5729-15/CR/CC- 492		
10.	Waste Description	Hazardous Chemicals		
11.	Total Quantity	2085 Kg. ....m <sup>3</sup> or MT		
12.	Number of Containers	Number	Type	
		02 IBC		
13.	Physical form	(Solid / Semi Solid / Sludge / Oily / Tarry / Slurry / Liquid)		
14.	Waste Category Number			
15.	Special Handling Instruction & Additional Information	USE PPE		
16.	Sender's Certificate	I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorized, packed, marked and labeled and are in all respects in proper condition for transport by Road according to applicable national government regulations.		
	Typed Name & Stamp Anil Waghmare	Signature: 	Month	Day
			06	11
			20	17
17.	Transporter Acknowledgment of Receipt of Waste	Authorized Signatory		
	Typed Name & Stamp 	Signature: 	Month	Day
18.	Receiver's Certification of Receipt of Hazardous Waste			
	Typed Name & Stamp	Signature:	Month	Day

Note : 1 ) Please attach Comprehensive Analysis report Photocopy.  
2 ) For each type of waste use separate Manifest Form ( Form - 10)

Copy 2 of 7

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To be retained by the sender after taking signature on it from the transporter.



# 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-0000010251

**Submitted On:**

25-06-2019

**Submitted for Year:**

2019

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

AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED

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

**1b. Authorization Number**

BO/AST/EIC.No-RD-2919-14/Raigad/AMD/CC-3700

**Date of issue**

Mar 16, 2016

**2. Name of the authorised person**

Amit M.Salagare

**Full address of authorised person**

AKZO NOBEL CHEMICALS INDIA PRIVATE LIMITED ,Plot No. E-18, 19, 20 & C -61(Part), MIDC Area, Mahad - Raigad, 402302 Maharashtra India

**Telephone**

904917339

**Fax**

02145 232148

**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	1197.30	630.6	MT/A
Chemical ,Petrochemical &Electrochemical	Metal Alkyl	800.04	335.97	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
5.1 Used or spent oil	Used spent oil	2.40	0.334	MTA
34.1 Chemical-containing residue arising from decontamination.	Decomposed RAV	2.40	0.700	MTA
20.2 Spent solvents	Spent Solvent	12.00	1.2	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	7.20	1.515	MTA

**2. Quantity dispatched category wise.**

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	0.334	MTA	Co-processors or pre-processor	Lubstar Petro chem Industries
34.1 Chemical-containing residue arising from decontamination.	0.700	MTA	Disposal Facility	Mumbai waste Management Ltd
20.2 Spent solvents	1.2	MTA	Co-processors or pre-processor	Kusum Distillation & Reffining P.LTd

35.3 Chemical sludge from waste water treatment	1.515	MTA	Disposal Facility	Mumbai waste Management Ltd
33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes	0.475	MTA	Disposal Facility	Mumbai waste Management Ltd

3. Quantity Utilised in-house,If any

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

4. Quantity in storage at the end of the year

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

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

**1.Total Quantity received** **UOM**  
NA KL/Anum

**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	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

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

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

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
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NA	NA	KL/Anum
----	----	---------

6. Total quantity of waste disposed

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

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

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

8. Quantity in storage at the end of the year

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

Personal Details

<b>Place</b>	<b>Date</b>	<b>Designation</b>
MAHAD	2019-06-25	SITE MANAGER



**Akzo Nobel India Limited**  
**Emergency Preparedness Drill Record**

F-HSE-08

Sr. No.	Check point	Observation
1	Drill No.	2019/Emergency preparedness Drill/01
2	Date of mock drill	05.06.2019
3	Time	16.05 hrs
4	Location	Salt Recovery Unit
5	Description of emergency	Burn Injury to ETP operator due to exposure of hot surface.
6	First observer of Incidence	ETP Operator
7	Emergency siren raised at	16.07 Hrs
8	All clear siren raised at	16.25 Hrs
9	Chief incident controller reporting time	16.09 Hrs (Ninad Kawathekar) as AMS was travelling for training.
10	Site main controller name Reporting time	NDK acted as Chief incident controller
11	Site controller name Reporting time	SGS was an observer
12	Incident controllers name	Akshay Atule
13	Emergency control room coordinator Reporting time	A M Waghmare 16.10 Hrs
14	Assembly point 1, in charge	M U Kanse
15	Assembly point 2, in charge	Security Officer, Mr. Moperkar
16	Emergency team members	Production operator, ETP Operator,
17	First aider	D J Kaloji and Kalpesh Kadam
18	Duties performed by the security in charge	<ul style="list-style-type: none"> <li>• Closed the main security gate</li> <li>• Small gate locked by security guard</li> <li>• Arranged personnel of Assembly point 2 in rows and checked head count.</li> <li>• Locked incoming phone calls.</li> </ul>
19	Details of Emergency actions	<ul style="list-style-type: none"> <li>• ETP Operator given information to shift incharge and Chief Incident Controller about burn Injury to another ETP operator.</li> <li>• Incident Controller raised emergency siren after getting confirmation from Chief Incident Controller.</li> <li>• Chief Incident Controller was assisting to emergency team.</li> <li>• Two first aider reached at SRU and removed shirt of victim and given body</li> </ul>

		<p>shower wash.</p> <ul style="list-style-type: none"> <li>• Two production operators reached at New ETP control room.</li> <li>• Emergency vehicle reached at New ETP area.</li> <li>• The victim shifted to MMA Hospital for further treatment at 16.16 hrs with first aider.</li> <li>• CIC addressed to employees and contractors at Assembly point 2 on nature of emergency and actions taken during emergency.</li> <li>• Checked Corporate Emergency Hotline number +442076571999 by making drill call and received respond from hotline.</li> </ul>
20	Whether head count was tallied with gate entries?	<ul style="list-style-type: none"> <li>• Head count matched</li> </ul>
21	Was external help was called? Give details?	<ul style="list-style-type: none"> <li>• No external help was taken.</li> </ul>
22	<p><u>Positive observations during the emergency</u></p> <ul style="list-style-type: none"> <li>• Both the production operator and both the chemist were available for help at location.</li> <li>• All contract worker from project site assembled at Assembly point 1 &amp; 2.</li> <li>• All the site key personnel shifted there walky talky sets on channel No. 1 and effective communication was there.</li> <li>• Emergency vehicle reached at Assembly point 1 and then sent at SRU location.</li> <li>• Solar panel cleaning work was in progress at E-18 shed work and after emergency siren people was getting down safely.</li> <li>• The Emergency drill was conducted in absence of key people i.e. Site Manager and SRE.</li> </ul>	
23	<p><u>Improvement areas noticed with respective to the plan</u></p> <ul style="list-style-type: none"> <li>• Canteen boy reached at assembly point no1 without Safety Shoes.</li> <li>• To not remove clothes during burn injury.</li> </ul>	
24	<p><u>Action plan for improvement</u> Action plan will be done during HSES committee meeting</p>	

Sanjay Salunke

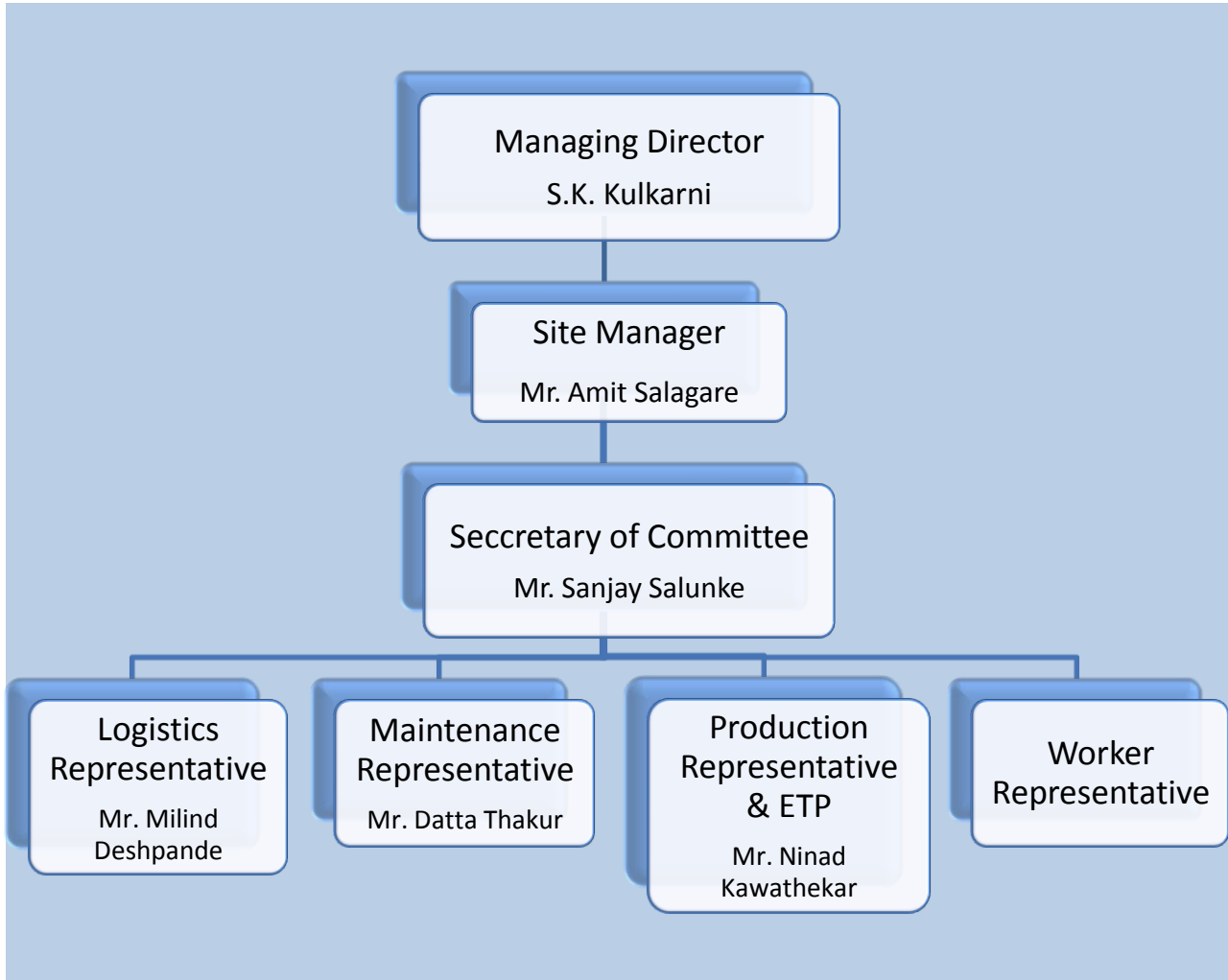
Ninad Kawathekar

**Chief incident controller**

**Observer**

**Site main 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**

## ANALYSIS TEST REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

		Report Date	04/10/2019	
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. 4500907916, Dated-22.08.2019			
Date Of Sampling	26/09/2019	Sample Receipt Date	27/09/2019	
Analysis Started on	30/09/2019	Analysis Completed On	04/10/2019	
ULR No	TC708619000001606F			
Report No	SEETL/AR/09/19/653			
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours	
Environmental Condition of Lab		Temperature(°C)	25.1	Humidity (%) 66

### 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)	30	Humidity (%)	83	
Wind Speed (km/hr)	12	Wind Direction (deg <sup>o</sup> )	ENE,70	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)			

### POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	58	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
PM <sub>2.5</sub>	27	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	15	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	24	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge
CO	0.6	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	19	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 ( RA 2014)

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



*P. Thombare*  
Authorized Signatory  
Priti Thombare

**BRANCH OFF.** : 310, Dampo 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 Betim Road, Bardez, Porvorim, Panaji-Goa-403 101, Goa State, India. ☎ : (0832) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

## ANALYSIS TEST REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

		Report Date	04/10/2019	
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. 4500907916, Dated-22.08.2019			
Date Of Sampling	26/09/2019	Sample Receipt Date	27/09/2019	
Analysis Started on	30/09/2019	Analysis Completed On	04/10/2019	
ULR No	TC708619000001607F			
Report No	SEETL/AR/09/19/654			
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours	
Environmental Condition of Lab	Temperature(°C)	25.1	Humidity (%)	66

### 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)	30	Humidity (%)	83	
Wind Speed (km/hr)	12	Wind Direction (deg°)	ENE,70	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM - 550) & G.P.S.(APM - 411)			

### POLLUTIONAL PARAMETERS

Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	62	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
PM <sub>2.5</sub>	30	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	18	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	27	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge
CO	0.8	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	22	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 ( RA 2014)

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



Authorized Signatory  
Priti Thombare

## ANALYSIS TEST REPORT FOR AMBIENT AIR QUALITY MONITORING REPORT

		Report Date	04/10/2019	
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. 4500907916, Dated-22.08.2019			
Date Of Sampling	26/09/2019	Sample Receipt Date	27/09/2019	
Analysis Started on	30/09/2019	Analysis Completed On	04/10/2019	
ULR No	TC708619000001608F			
Report No	SEETL/AR/09/19/655			
Sample Collected By	SEETL Representative	Sampling Duration	24 Hours	
Environmental Condition of Lab	Temperature(°C)	25.1	Humidity (%)	66

### 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)	30	Humidity (%)	83	
Wind Speed (km/hr)	12	Wind Direction (deg <sup>o</sup> )	ENE,70	
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) & G.P.S.(APM – 411)			

### POLLUTIONAL PARAMETERS



Parameters	Result	Units	NAAQS Limits	Method
PM <sub>10</sub>	68	µg/m <sup>3</sup>	100.00	IS 5182 ( Part 23): 2006 ( RA 2012)
PM <sub>2.5</sub>	35	µg/m <sup>3</sup>	60.00	EPA Quality assurance guidance document 2.12, based on CPCB- 2011
SO <sub>2</sub>	23	µg/m <sup>3</sup>	80.00	IS 5182 (Part 2): 2001 ( RA 2012)
NO <sub>x</sub>	32	µg/m <sup>3</sup>	80.00	IS 5182 (Part 6): 2006 ( RA 2012)
Ammonia (NH <sub>3</sub> )	<20	µg/m <sup>3</sup>	400.00	Method No. 401 Based on Methods of Air Sampling and analysis-3 <sup>rd</sup> edition by J P Lodge
CO	0.92	mg/m <sup>3</sup>	04.00	NDIR IS 5182 (Part 10) C : 1999 ( RA 2014)
Lead as Pb	<0.1	µg/m <sup>3</sup>	01.00	EPA compendium method IO 3.5
Benzene (C <sub>6</sub> H <sub>6</sub> )	< 1	µg/m <sup>3</sup>	5.00	IS 5182 (Part 11) :2006 ( RA 2012)
Arsenic(As)	< 5	ng/m <sup>3</sup>	6.00	EPA compendium method IO 3.5
Nickel(Ni)	< 5	ng/m <sup>3</sup>	20.00	EPA compendium method IO 3.5
Ozone (O <sub>3</sub> )	26	µg/m <sup>3</sup>	180.00	IS 5182 (Part IX): 1974
Benzo(a)Pyrene	< 0.025	ng/m <sup>3</sup>	1.00	IS 5182 (Part 12): 2004 ( RA 2014)

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



*P. Thombare*  
**Authorized Signatory**  
Priti Thombare

## ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date		04/10/2019	
<b>Name of Client</b>		M/s. Nouryon Chemicals India Pvt Ltd.			
<b>Address of Client</b>		Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.			
<b>Order / Reference</b>		PO No. 4500907916, Dated-22.08.2019			
<b>Date Of Sampling</b>		26/09/2019		<b>Sample Receipt Date</b>	
<b>Analysis Started on</b>		30/09/2019		<b>Analysis Completed On</b>	
<b>ULR No</b>		TC708619000001609F			
<b>Report No</b>		SEETL/ST/09/19/656			
<b>Sample Collected By</b>		SEETL Representative			
<b>Environmental Condition of Lab</b>			<b>Temperature(°C)</b>	25.1	<b>Humidity (%)</b>
				66	
<b>DETAILS OF STACK</b>					
<b>Attached To</b>		DG Set 500 KVA			
<b>Shape</b>		Round			
<b>Diameter (Mtr)</b>		0.15			
<b>Height From Ground Level (Mtr)</b>		10 Mtr			
<b>Temperature (°C)</b>		153			
<b>Velocity of Flue Gases (m/sec)</b>		9.32			
<b>Volume of Flue Gases (Nm<sup>3</sup>/hour)</b>		412.62			
<b>Type of Fuel</b>		HSD			
<b>POLLUTIONAL PARAMETERS</b>					
<b>Parameters</b>	<b>Result</b>	<b>Units</b>	<b>MPCB Limit</b>	<b>Method</b>	
Total Particulate Matter	37	mg/Nm <sup>3</sup>	150.00	IS 11255 Part 1-1985 Reaff.	
SO <sub>2</sub>	0.4	Kg/Day	-	IS 11255 Part 2-1985 Reaff.	
Oxides of Nitrogen (NOx)	43	mg/Nm <sup>3</sup>	-	IS 11255 Part 7-2005 RA.2012	
<b>NOTE:</b> 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.					
			 <b>Authorized Signatory</b> Priti Thombare		

## ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	04/10/2019		
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. 4500907916, Dated-22.08.2019				
Date Of Sampling	26/09/2019	Sample Receipt Date	27/09/2019		
Analysis Started on	30/09/2019	Analysis Completed On	04/10/2019		
ULR No	TC708619000001610F				
Report No	SEETL/ST/09/19/657-658				
Sample Collected By	SEETL Representative				
Environmental Condition of Lab	Temperature(°C)	25.1	Humidity (%)	66	
<b>DETAILS OF STACK</b>					
Attached To	Diesel Engine-1			Diesel Engine -2	
Shape	Round			Round	
Diameter (Mtr)	0.1 Mtr			0.0762 Mtr	
Height From Ground Level (Mtr)	6.5			6.0	
Temperature (°C)	167			154	
Velocity of Flue Gases (m/sec)	9.69			9.41	
Volume of Flue Gases (Nm <sup>3</sup> /hour)	185.01			107.24	
Type of Fuel	HSD			HSD	

## POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	I	II			
Total Particulate Matter	33	31	mg/Nm <sup>3</sup>	150.00	IS 11255 Part 1-1985 Reaff.
SO <sub>2</sub>	0.3	0.2	Kg/Day	-	IS 11255 Part 2-1985 Reaff.
Oxides of Nitrogen (NOx)	42	38	mg/Nm <sup>3</sup>	-	IS 11255 Part 7-2005 RA.2012

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



*P. Thombare*  
**Authorized Signatory**  
Priti Thombare





# Sadekar Enviro Engineers Pvt. Ltd.

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

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SAVE LIFE

Gazetted By Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 867 (E), Valid upto 25.02.2023 \* OCI-NABET Accredited EIA Consultancy

Lab. accredited by NABL, Valid up to 26.03.2020 • Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

## ANALYSIS TEST REPORT FOR STACK EMISSION

		Report Date	04/10/2019		
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. 4500907916, Dated-22.08.2019				
Date Of Sampling	26/09/2019	Sample Receipt Date	27/09/2019		
Analysis Started on	30/09/2019	Analysis Completed On	04/10/2019		
Report No	SEETL/ST/09/19/659				
Sample Collected By	SEETL Representative				
Environmental Condition of Lab	Temperature(°C)	25.1	Humidity (%)	66	

### DETAILS OF STACK

Attached To	Scrubber (Production Plant)				
Shape	Round				
Diameter (Mtr)	0.5				
Height From Ground Level (Mtr)	16				
Temperature (°C)	29				
Velocity of Flue Gases (m/sec)	3.26				
Volume of Flue Gases (Nm <sup>3</sup> /hour)	2257.47				
Type of Fuel	-				

### POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Acid Mist*	13	mg/Nm <sup>3</sup>	35.0	Lab SOP No. SEETL/LD/SOP/AA-31

- NOTE:** 1) The above results relate only to the condition prevailing at the time of Sampling.  
2) The above results relate only to the item tested.  
3) \* This Parameter is not included in NABL scope.



*P. Thombare*

Authorized Signatory  
Priti Thombare

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

**Water Report**

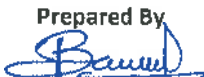
Report No.:	SAL/FM/61/AKN/ WW(18-19-1180)	Report Date:	01/04/2019
Name & Address of the Client/Customer:	M/s. Akzo Nobel Chemicals India Private Limited Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA, PIN-402302.	Sample ID:	WW(18-19-1180)
		Sampling Location:	Effluent (V-Notch )
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd. 16.03.2019	Date of Sampling:	26/03/2019
Sample Collected By :	SKYLAB	Date-Receipt of Sample:	26/03/2019
Sample Quantity:	1 L	Date-Start of Analysis:	27/03/2019
Job Order No:	SL/2018-19/992	Date-Complete Analysis:	01/04/2019

**Result Of Analysis**

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.10	APHA 23rd Ed. 4500-H+ B
2	Total suspended solids	mg/L	3	APHA 23rd Ed. 2540 D
3	Total dissolved solids	mg/L	1967	APHA 23rd Ed. 2540 B
4	Chemical Oxygen Demand (COD)	mg/L	183	APHA 23rd Ed. 5220 B
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	54	APHA 23rd Ed. 5210 D
6	Oil & Grease	mg/L	4	APHA 23rd Ed. 5520 B
7	Sulphate	mg/L	223	APHA 23rd Ed. 4500- SO4-2- E
8	Chloride	mg/L	581	APHA 23rd Ed. 4500-Cl- B
9	Ammonical Nitrogen	mg/L	0.2	APHA 23rd Ed. 4500-NH3 F
10	Percent Sodium	%	0.1	APHA 23rd Ed. 3500-Na B
11	Phenolic compounds	mg/L	<0.001	APHA 23rd Ed. 5330 D
12	Phosphate (total)	mg/L	0.23	APHA 23rd Ed. 4500-P J
13	Sulphide	mg/L	0.5	APHA 23rd Ed. 4500- SO4-2- D
14	Metal-Chromium	mg/L	0.02	APHA 23rd Ed. 3111 B
15	Bioassay Test	%	95	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By  
  
 Rutuja Dalvi  
 Admin Executive

Verified By  
  
 S More  
 Asst. Technical Manager

  
 R A Kulkarni  
 Quality Manager  
 AUTHORISED SIGNATORY

-----End Of Report-----

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Certified by ISO 9001:2008 & OHSAS 18001:2007

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ULR NO.TC051501800001097P

### TEST REPORT

Report No.:	SAL/FM/61/AKN/WW(19-20-0199)	Report Date:	05/06/2019
Name & Address of the Client/Customer:	M/s. Akzo Nobel Chemicals India Private Limited Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA, PIN-402302.	Sample ID:	WW(19-20-0199)
		Sampling Location:	Count Sample
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	24/05/2019
Sample Collected By :	PARTY	Date-Receipt of Sample:	25/05/2019
Sample Quantity:	1 L	Date-Start of Analysis:	25/05/2019
Job Order No:	SL/2019-20/151	Date-Complete Analysis:	01/06/2019

### Result Of Analysis

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.39	APHA 23rd Ed. 4500-H+ B
2	Total suspended solids	mg/L	5	APHA 23rd Ed. 2540 D
3	Total dissolved solids	mg/L	1817	APHA 23rd Ed. 2540 B
4	Chemical Oxygen Demand (COD)	mg/L	238	APHA 23rd Ed. 5220 B
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	85	APHA 23rd Ed. 5210 D
6	Oil & Grease	mg/L	3	APHA 23rd Ed. 5520 B
7	Sulphate	mg/L	205	APHA 23rd Ed. 4500- SO4-2- E
8	Chloride	mg/L	414	APHA 23rd Ed. 4500-Cl- B
9	Ammonical Nitrogen	mg/L	0.14	APHA 23rd Ed. 4500-NH3 F
10	Percent Sodium	%	0.02	APHA 23rd Ed. 3500-Na B
11	Phenolic compounds	mg/L	<0.001	APHA 23rd Ed. 5530 D
12	Phosphate (total)	mg/L	0.1	APHA 23rd Ed. 4500-P J
13	Sulphide	mg/L	<0.1	APHA 23rd Ed. 4500- SO4-2- D
14	Metal-Chromium	mg/L	0.13	APHA 23rd Ed. 3111 B
15	Bioassay Test	%	95	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

For SKYLAB ANALYTICAL LABORATORY,  
KALYAN

Prepared By  
  
 Rutuja Dalvi  
 Admin Executive

Verified By  
  
 M Talekar  
 Dy. Technical Manager (Operations)

  
 R A Kulkarni  
 Quality Manager

AUTHORISED SIGNATORY

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MoEF Approval Valid From 18.02.2019

1<sup>st</sup> Floor, Chintamani Smriti, Next To Phadke Hospital, Parnaka, Kalyan(W) 421301 Dist. Thane, Maharashtra, INDIA.  
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1717

**TEST REPORT**

Report No.:	SAL/FM/61/AKN/WW(19-20-0317)	Report Date:	04/07/2019
Name & Address of the Client/Customer:	M/s. Akzo Nobel Chemicals India Private Limited Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA, PIN-402302.	Sample ID:	WW(19-20-0317)
		Sampling Location:	ETP Outlet
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	21/06/2019
Sample Collected By :	PARTY	Date-Receipt of Sample:	22/06/2019
Sample Quantity:	2 L	Date-Start of Analysis:	22/06/2019
Job Order No:	SL/2019-20/245	Date-Complete Analysis:	04/07/2019

**Result Of Analysis**

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.12	APHA 23rd Ed. 4500-H+ B
2	Total suspended solids	mg/L	14	APHA 23rd Ed. 2540 D
3	Total dissolved solids	mg/L	1981	APHA 23rd Ed. 2540 B
4	Chemical Oxygen Demand (COD)	mg/L	238	APHA 23rd Ed. 5220 B
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	89	APHA 23rd Ed. 5210 D
6	Oil & Grease	mg/L	5	APHA 23rd Ed. 5520 B
7	Sulphate	mg/L	362	APHA 23rd Ed. 4500- SO4-2- E
8	Chloride	mg/L	547	APHA 23rd Ed. 4500-CI- B
9	Ammonical Nitrogen	mg/L	0.1	APHA 23rd Ed. 4500-NH3 F
10	Phenolic compounds	mg/L	0.022	APHA 23rd Ed. 5530 D
11	Phosphate (total)	mg/L	1.8	APHA 23rd Ed. 4500-P J
12	Sulphide	mg/L	4	APHA 23rd Ed. 4500- SO4-2- D
13	Metal-Chromium	mg/L	1.9	APHA 23rd Ed. 3111 B
14	Pesticides	mg/L	NA	APHA 23rd Ed. 6610 A
15	Bioassay Test	%	95	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By  
  
Rutuja Dalvi  
Admin Executive

  
Pradeep Pimputkar  
Technical Manager  
AUTHORISED SIGNATORY



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MoEF Approval Valid From 18.02.2019

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**TEST REPORT**

Report No.:	SAL/FM/61/AKN/WW(19-20-0316)	Report Date:	04/07/2019
Name & Address of the Client/Customer:	M/s. Akzo Nobel Chemicals India Private Limited Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA, PIN-402302.	Sample ID:	WW(19-20-0316)
		Sampling Location:	V-Notch
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	19/06/2019
Sample Collected By :	PARTY	Date-Receipt of Sample:	22/06/2019
Sample Quantity:	1 L	Date-Start of Analysis:	22/06/2019
Job Order No:	SL/2019-20/245	Date-Complete Analysis:	04/07/2019

**Result Of Analysis**

Sr.No.	Parameters	Units	Result	Reference Method
1	pH	-	7.15	APHA 23rd Ed. 4500-H+ B
2	Total suspended solids	mg/L	18	APHA 23rd Ed. 2540 D
3	Total dissolved solids	mg/L	1879	APHA 23rd Ed. 2540 B
4	Chemical Oxygen Demand (COD)	mg/L	145	APHA 23rd Ed. 5220 B
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	48	APHA 23rd Ed. 5210 D
6	Oil & Grease	mg/L	4	APHA 23rd Ed. 5520 B
7	Sulphate	mg/L	248	APHA 23rd Ed. 4500- SO4-2- E
8	Chloride	mg/L	552	APHA 23rd Ed. 4500-Cl- B
9	Ammonical Nitrogen	mg/L	0.3	APHA 23rd Ed. 4500-NH3 F
10	Phenolic compounds	mg/L	0.018	APHA 23rd Ed. 5530 D
11	Phosphate (total)	mg/L	2.3	APHA 23rd Ed. 4500-P J
12	Sulphide	mg/L	3	APHA 23rd Ed. 4500- SO4-2- D
13	Metal-Chromium	mg/L	1.8	APHA 23rd Ed. 3111 B
14	Pesticides	mg/L	NA	APHA 23rd Ed. 6610 A
15	Bioassay Test	%	95	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By



Rutuja Dalvi

Admin Executive



Pradeep Pimputkar

Technical Manager

AUTHORISED SIGNATORY



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MoEF Approval Valid From 18.02.2019

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CERT NO.: TC- 5150



ULR NO.TC051501800002117P

### Water Report

Report No.:	SAL/FM/61/NCIM/WW(19-20-0411)	Report Date:	29/07/2019
Name & Address of the Client/Customer:	M/s. Nouryon Chemicals India Pvt. Ltd. Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA	Sample ID:	WW(19-20-0411)
		Sampling Location:	ETP Outlet
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	19/07/2019
Sample Collected By :	SKYLAB	Date-Receipt of Sample:	20/07/2019
Sample Quantity:	2 L	Date-Start of Analysis:	20/07/2019
Job Order No:	SL/2019-20/329A	Date-Complete Analysis:	29/07/2019

### Result Of Analysis

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.50	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	84	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1993	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	225	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	78	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	5	OIS 3025 (Part 39), RA 2014: 1991
7	Sulphate	mg/L	129	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	579	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.1	IS 3025 (Part 34), RA August 2014: 1988
10	Percent Sodium*	%	0.25%	IS 3025 (Part 45), RA 2014: 1993
11	Phenolic compounds	mg/L	<0.001	IS 3025 (Part 43), RA 2014: 1992
12	Phosphate (total)	mg/L	0.11	IS 3025 (Part 31), RA 2014: 1988
13	Sulphide	mg/L	1.2	IS 3025 (Part 29), RA 2014: 1986
14	Metal-Chromium	mg/L	0.9	IS 3025 (Part 52), RA 2014: 2003
15	Bioassay Test*	%	95	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

Note -\* Parameters not under NABL Scope.

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By

  
Rutuja Dalvi

Admin Executive

  
Pradeep Pimpotkar

Technical Manager

AUTHORISED SIGNATORY



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Contact : 9820386785 / 9867577312 / 9867577310 Email : mails@skylabenviro.com Website - www.skylabenviro.com

ULR NO.TC051501800002938P

**Water Report**

Report No.:	SAL/FM/61/NCIM/WW(19-20-0504)	Report Date:	31/08/2019
Name & Address of the Client/Customer:	M/s. Nouryon Chemicals India Pvt. Ltd. Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA	Sample ID:	WW(19-20-0504)
		Sampling Location:	Untreated Water
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	21/08/2019
Sample Collected By :	PARTY	Date-Receipt of Sample:	21/08/2019
Sample Quantity:	2 L	Date-Start of Analysis:	21/08/2019
Job Order No:	SL/2019-20/446	Date-Complete Analysis:	31/08/2019

**Result Of Analysis**

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.54	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	4	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	2082	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	239	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	91	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	4	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	321	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	579	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.1	IS 3025 (Part 34), RA 2014: 1988
10	Percent Sodium	%	4%	IS 3025 (Part 45), RA 2014: 1993
11	Phenolic compounds	mg/L	0.024	IS 3025 (Part 43), RA 2014: 1992
12	Phosphate (total)	mg/L	10	IS 3025 (Part 31), RA 2014: 1988
13	Sulphide	mg/L	0.2	IS 3025 (Part 29), RA 2014: 1986
14	Metal-Chromium	mg/L	2.3	IS 3025 (Part 52), RA 2014: 2003
15	Bioassay Test	%	90	APHA 23rd Ed. 3112 B

BDL: Below Detection Limit. ND: Not Detected. NS: Not Specified.

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By

  
 Rutuja Dalvi

Admin Executive

  
 Pradeep Pimputkar

Technical Manager

AUTHORISED SIGNATORY



-----End Of Report-----

1. This report reflects our findings at the time and place of monitoring/testing.
2. Test results are based on and related only to the particular sample(s) monitored/tested.
3. This report is confidential & cannot be re-produced.
4. 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.

Accredited by NABL as per ISO 17025:2017, Certified by ISO 9001:2015 & OHSAS 18001:2007

Recognized by MoEFCC, Govt. of India, valid from 18.02.2019

1st Floor, Chintamani Smriti, Next to Phadke Hospital, Parnaka, Kalyan (W) 421301, Dist. Thane, Maharashtra, INDIA.

Mob. No. - 9820386785 / 9867577309 - 312 / 84222929165

Email - [mails@skylabenviro.com](mailto:mails@skylabenviro.com) Website - [www.skylabenviro.com](http://www.skylabenviro.com)

ULR NO.TC051501800003570P

**Water Report**

Report No.:	SAL/FM/61/NCIM/WW(19-20-0602)	Report Date:	01/10/2019
Name & Address of the Client/Customer:	M/s. Nouryon Chemicals India Pvt. Ltd. Plot E- 18,19,20 & C-61(Part) Mahad, Dist.- Raigad, Maharashtra, INDIA	Sample ID:	WW(19-20-0602)
		Sampling Location:	ETP Outlet
		Type of Sample:	Waste Water
Work Order/PO Reference Number:	6200436496 dtd.16.03.2019	Date of Sampling:	21/09/2019
Sample Collected By :	SKYLAB	Date-Receipt of Sample:	21/09/2019
Sample Quantity:	2 L	Date-Start of Analysis:	21/09/2019
Job Order No:	SL/2019-20/544	Date-Complete Analysis:	28/09/2019

**Result Of Analysis**

Sr. No.	Parameters	Units	Result	Reference Method
1	pH	-	7.44	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	26	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1943	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	209	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD) 3 Days @ 27°C	mg/L	65	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	4	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO <sub>4</sub>	mg/L	55	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	549	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	<0.1	IS 3025 (Part 34), RA 2014: 1988
10	Percent Sodium	%	0.2	APHA 23rd Ed. 3500-Na B
11	Phenolic compounds	mg/L	0.003	IS 3025 (Part 43), RA 2014: 1992
12	Phosphate (total)	mg/L	0.2	IS 3025 (Part 31), RA 2014: 1988
13	Sulphide	mg/L	<0.2	IS 3025 (Part 29), RA 2014: 1986
14	Metal-Chromium	mg/L	0.05	IS 3025 (Part 52), RA 2014: 2003
15	Bioassay Test	%	95	APHA 23rd Ed. 3112 B

For SKYLAB ANALYTICAL LABORATORY, KALYAN

Prepared By

  
 Admin Executive

  
 AUTHORISED SIGNATORY

-----End Of Report-----

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Mob. No. - 9820386785 / 9867577309 - 312 / 84222929165

Email - [mails@skylabenviro.com](mailto:mails@skylabenviro.com) Website - [www.skylabenviro.com](http://www.skylabenviro.com)





# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000019777

### Submitted Date

25-09-2019

### 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)

3815

#### 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 Number

BO/AST/EIC No.RD-2919-14/Raigad/AMD/CC-3700

#### Consent Issue Date

16.03.2016

#### Consent Valid Upto

28.02.2021

### Product Information

#### Product Name

Organic Peroxide(Pure)

#### Consent Quantity

1197.3

#### Actual Quantity

630.6

#### UOM

MT/A

Refilling of Metal Alkyls

800

335.97

MT/A

### By-product Information

#### By Product Name

NA

#### Consent Quantity

NA

#### Actual Quantity

NA

#### UOM

CMD

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

635

#### Actual Quantity in m3/day

235

#### Cooling

100

33

#### Domestic

55

20

#### All others

100

37

#### Total

890

325

### **1) Effluent Generation in CMD / MLD**

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Effluent discharged	648	303.7	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Organic Peroxide	64	78	CMD

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Acid chloride	0.34 to 0.80	0.35 to 0.87	
TBHP	0.65 to 0.74	0.52 to 0.93	
Chloroformates	0.14 to 0.66	0.36 to 0.68	
Hydrogen peroxide	0.02 to 0.15	0.11to 0.15	
TMBH	0.3	0.31	
NaOH	0.10 TO 0.94	0.31 TO 0.94	
KOH	0.07 to 0.09	0.09	

### **4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
HSD	100	72	

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

#### **[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>		
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>	<b>Standard</b>	<b>Reason</b>
pH	NA	7.10	NA	5.5 to 9	NA
Suspended solids	NA	3	NA	100	NA
BOD 3 days 27 Deg C	NA	54	NA	100	NA
COD	NA	183	NA	250	NA
Oil & grease	NA	4	NA	10	NA
Total ammocial nitrogen	NA	0.2	NA	50	NA
Total dissolved solids	NA	1967	NA	2100	NA
Sulphate	NA	223	NA	1000	NA
Sodium	NA	0.1	NA	60	NA
Phenolic compound	NA	0.001	NA	5	NA
Chromium (Hexavalent)	NA	0.02	NA	0.1	NA
Sulphide (as S)	NA	0.5	NA	2	NA
Phosphate (as P)	NA	0.23	NA	5	NA

Bio assay test	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA
----------------	----	--	----	--	----

**[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
PM	NA	51.12	NA	150	NA
SO2	NA	0.55	NA	NA	NA
NOX	NA	71.3	NA	NA	NA

**HAZARDOUS WASTES**

**1) From Process**

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

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	740	334	
34.1 Chemical-containing residue arising from decontamination.	95	700	
20.2 Spent solvents	2400	1200	
35.3 Chemical sludge from waste water treatment	3025	1515	
31.1 Process residue and wastes	95	475	

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Solid waste	105	120	MT/A

**2) From Pollution Control Facilities**

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

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

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
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.**

**1) Hazardous Waste**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	334	NA	
34.1 Chemical-containing residue arising from decontamination.	700	NA	
20.2 Spent solvents	1200	NA	
35.3 Chemical sludge from waste water treatment	1515	NA	

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Decontaminated metal drums,Plastic wrappers,scrap	120	MT/A	NA

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

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
NA	0	0	0	242660	0	0

**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.****[A] Investment made during the period of Environmental Statement**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Environment continual improvement measure	Byproduct recovery unit from effluent	2684

**[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
NA	NA	NA

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

NA

**Name & Designation**

Sanjay G.Salunke, Manager HSE&amp;S



bsi.

Towards sustainable growth

# Mumbai Waste Management Limited

## Certificate

MS. Akzo Nobel India Ltd.

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

Membership no.: MWML - HzW -MHD...419...

This Certificate is valid up to  
March, 31<sup>st</sup>, 2020

Somnath Malgar  
Head - MWML

Dinkar Adhavi  
Director

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : enquiry@mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Red/LSI

Date: 14/05/2019

Consent No: Format 1.0/BO/AST/AMMENDMENT-0000001803/E-

1905000014

To,  
M/s. Akzo Nobel India Ltd.,  
Plot No. E-18,19,20 and C-21 (Part), MIDC Mahad,  
Tal:- Mahad, Dist.- Raigad.

- Sub : Amendment in Consent to Establish for expansion in Red Category.  
Ref.: 1. Consent to establish granted vide Format 1.0/BO/AST/UAN No. 0000036492/E-1808000098 dtd. 02.08.2018 which is valid up to commissioning of the unit or 5 year whichever is earlier  
2. Consent to Operate granted vide Format 1.0/ BO/AS(T)/EIC NO. RD-2919-14/Raigad/AMD/CC-3700 dtd. 16.03.2016 which is valid up to 28.02.2021.  
3. Your Application No. MPCB-CONSENT\_AMMENDMENT-0000001803.  
4. Minutes of the 14<sup>th</sup> Consent Committee Meeting dtd. 29.03.2019.

For Consent to establish under Section 25 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 (M & T M) 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 establish is granted for a period up to commissioning of the unit or 5 year whichever is earlier.
2. The capital investment of the industry is 24.04 Cr. as per C.A. Certificate submitted by the Industry.
3. The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity	UOM
1.	Organic Peroxide (Pure)	2222.2	MT/A
2.	Refilling/Blending of Metal Alkyls (Pure)	902	MT/A

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

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	263.00	As per Schedule I	MMA- CETP
2.	Domestic effluent	4.0	As per Schedule I	On land for gardening

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

Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	Acid storage Tank and operation areas	1	As per Schedule - II

6. Conditions under Non Hazardous Solid Wastes for treatment and disposal of hazardous waste:

Sr. no.	Type of Waste	Quantity	UOM	Disposal
1.	Scrap	144.00	MT/Y	Sale to authorized party

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

Sr. no.	Type of Waste	Category	Quantity	UOM	Treatment	Disposal
1.	Used / Spent Oil	5.1	2.4	MT/A	....	Sale to MPCB authorized party
2.	Spent solvent	20.2	12	MT/A	....	
3.	Chemical-containing residue from decontamination and disposal	33.1	2.6	MT/A	....	CHWTSDF
4.	Discarded containers/ barrels /liners	33.3	120	No's/M	....	CHWTSDF / Sale to MPCB authorized party
5.	Chemical Sludge from treatment of waste water	34.3	6.5	MT/A	....	CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke etc. 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.

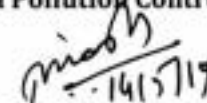
10. Industry shall obtain Environmental Clearance from competent authority before taking any effective steps towards implementation of the project.

As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA. II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.

11. This consent is issued with overriding effect on earlier Consent to establish was granted vide letter No. Format 1.0/BO/AST/UAN No. 0000036492/E-1808000098 dtd. 02.08.2018 which is valid up to commissioning of the unit or 5 year whichever is earlier.

12. This consent is issued with pursuant to the decision of 14<sup>th</sup> Consent committee meeting held on 29.03.2019.

For and on behalf of the  
Maharashtra Pollution Control Board

  
-14/5/19  
(P. K. Mirashe)

Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Transaction . No.	Date	Drawn On
1.	50,000.00	JSBI5830256830	21.11.2017	Online Transfer

Copy to:

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

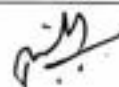
### **Schedule-I**

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

- 1) A) As per your application, you have installed full-fledged Effluent Treatment Plant (ETP) of designed capacity to 700.00 CMD consisting of Primary, Secondary and Tertiary treatment.
- 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	Standards prescribed by Board (If any)
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
1.	pH	5.5 to 9.0
2.	BOD (3 days 27°C )	30
3.	COD	250
4.	Suspended Solids	100
5.	Oil & Grease	10
6.	Total Dissolved Solids	2100
7.	Chlorides	600
8.	Sulphates	1000
9.	% Sodium	60%
10.	Phenolic Compound	5.0
11.	Total Ammonical Nitrogen	50
12.	Chromium (Cr +6)	0.10
13.	Sulphides (as S)	2.0
14.	Phosphates (as P)	5.0
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) Industry shall provide online monitoring system as per the CETP protocol and its connectivity to MPCB server.
- 2) A) As per your consent application, you have installed the septic tank followed by soak pit for the treatment of sewage. Overflow, if any shall be applied on land for gardening purpose within premise.
- B) The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- (1) Suspended Solids. Not to exceed 100 mg/l.
- (2) BOD 3 days 27°C Not to exceed 30 mg/l.
- C) The treated domestic effluent shall be used for gardening/plantation purpose within premises. There shall not be any discharge outside the factory premises.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and or 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	50.00
2.	Domestic purpose	5.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	235.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others: i) Gardening	---

- 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.

Maharashtra Pollution Control Board

*[Handwritten signature]*

### 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 also erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack To	Attached APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	SO <sub>2</sub> Kg/Day
1.	Acid storage tank and operational area	Water Scrubber	16	--	--	--

(\* - above roof level)

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

Particulate matter	Not to exceed	150 mg/Nm <sup>3</sup>
SO <sub>2</sub> (Process)	Not to exceed	50 ppm
HCL	Not to exceed	35 mg/Nm <sup>3</sup>

3. The applicant shall provide specific Air Pollution control equipment's as per the conditions of EP Act, 1986 and rule made there under from time to time/Environmental Clearance/CREP guidelines.
4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement 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.	Bank Guarantee (C to E/O/R)	Amt. of BG imposed (existing)	Submission period	Purpose of BG	Compliance period	Validity period
1.	C to E	5.0 Lakh	15 days	Towards achieving Zero Liquid Discharge and compliance of the Consent conditions	30.07.2023	31.01.2024

**Schedule-IV**  
**General Conditions:**

- 1) 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.
- 2) 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.
- 3) 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 equipment's, the production process connected to it shall be stopped.
- 4) 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.
- 5) The firm shall submit to this office, the **30<sup>th</sup> day of September every year, the Environmental 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.
- 6) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW & other waste (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.
- 7) The industry should comply with the Hazardous and other Waste (M & T M) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous and other Waste (M & T M) Rules, 2016 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall made an application for consent to operate before starting actual production from the industry.**
- 10) Industry shall strictly comply with the Water (P & C P) Act, 1974, Air (P & C P) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) 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.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) 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.
- 15) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 16) **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 MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 17) The industry should not cause any nuisance in surrounding area.
  - 18) 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.
  - 19) The applicant shall maintain good housekeeping.
  - 20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
  - 21) 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.
  - 22) 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 equipment's 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.
  - 23) 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.
  - 24) 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 be downloaded from MPCB official site).
  - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 26) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
  - 27) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the Hazardous and Other Waste (M & T M) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot 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.

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