Nouryon Chemicals India Private Limited

Nouryon

Date : 08.12.2021

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

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

Reference : Environmental Clearance No. SEIAA-EC-0000000263 dated 26th April, 2018

Respected Sir,

With reference to the above Subject, we are submitting Environmental Compliance Status Report of **M/s Nouryon Chemicals India Pvt. Ltd.** (Formerly M/s Akzo Nobel India Limited) located at Plot No. E-18, 19, 20 & C-61 (Part), MIDC Mahad, Taluka Mahad, District Raigad, Maharashtra; for the period from April 2021 to September 2021 along with supporting documents (Refer Enclosed Annexures).

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

Thanking you,

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

lalagens

Authorized Signatory

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

Plot No. E-18, 19 & 20, C-61 Part/Part, MiDC Area, Mahad, Dist. Raigad 402302 Maharashtra, India T +91 9049 153 399 +91 9049 173 399 www.nouryon.com Six-Monthly Environmental Compliance Status Report of Stipulated Conditions of Environmental Clearance

(April 2021 to September 2021)

Submitted by

M/s Nouryon Chemicals India Pvt. Ltd. (Formerly M/s Akzo Nobel India Limited) Plot No. E - 18, 19, 20 & C- 61 (Part) MIDC Mahad, Mahad, Maharashtra

CONTENT

Sr. No.	TOPIC	Page No.
1.	Introduction & Project Description	3 - 5
2.	Compliance on Stipulated Conditions of Environmental Clearance	6 - 11

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-000000263 dated 26.04.2018; copy enclosed as **Annexure-1**. The company was originally incorporated with name Akzo Nobel India Limited and name of company has changed to M/s Nouryon Chemicals India Pvt. Ltd. under the Companies act, 1956; incorporation certificate copies are enclosed as **Annexure-2**. Company has obtained with vide No. Format 1.0/CC/UAN No. 0000003495/2003000030 dated 12.03.2020; copy is enclosed as **Annexure-3**.

1.2 Project Description

Salient Features of the Project:

Location	Plot No. E-18, 19, 20 & C-61 (Part/Part), MIDC Mahad,			
	Taluka Mahad, District Raigad, Maharashtra.			
Co-ordinates of the location	Latitude - 18°6'43.11"N			
	Longitud	le - 73°29'27.24"E		
	The eleva	ation 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 Be	elt Area - 29995 sq.m		
	Parking Area - 2271.8 sq.m			
Product details/Byproduct details	Sr. No.	Product Name	Quantity in MT/M	
	1.Organic Peroxides284.96(Pure)			

	2.	Refilling/ blending of Metal Alkyls (Pure)	141.83	
	3.	Sodium Chloride (NaCl)	108	
Raw materials (including process chemicals, catalysts & additives)	List Enclosed as Annexure-4 .			
Water supply	Source – Maharashtra Industrial Development Corporation. Permission has obtained from MIDC for water supply; copy enclosed as Annexure-5 and MIDC water bill copy of April 2019 month is enclosed as Annexure-6 .			
Water requirement	Total - 64 Domesti Process - Cooling Gardenin	40 CMD c- 10 CMD · 470 CMD Tower & Boiler feed – 60 CM ng - 100 CMD	D	
Effluent generation	Domesti Trade ef	c/Sewage effluent - 8.0 CMD fluent - 496 CMD)	
Power	Source : Total der	MSEDCL, mand - 990 KVA		
Gaseous emissions from different sources	- From B - From D - From D - From D - From S - From P	oiler stack height 30 m. D.G. Set (500 KVA) stack heigh Diesel engine hydrant stack he Diesel engine sprinkler stack h crubber stack height 16 m Process stack(HCl) height 10 r	ht 10 m eight 30 m neight 6.5 m n.	
Fuel	HSD- 17 LDO - 8	4 Lit/Hr 34 Kg/Day		
Status of approvals from statutory bodies	 Enviro Conse Conse Conse Certif Factor 	onmental Clearance. ent to Establish. ent to Operate. icate of Incorporation. ry 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

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

2.1 Conditions along with compliance status is discussed below in detail

		housekeeping.		
(vi)	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.	Project Proponent has consented to condition.		
(vii)	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).	Complied. A stack of 10 m height is provided to control and dispersion of pollutants from DG set (capacity- 500 KVA).		
(viii)	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Complied. Rainwater harvesting system for groundwater recharge is installed.		
(ix)	Arrangement shall be made that effluent and storm water does not get mixed.	Complied. Effluent is being treated in ETP and treated effluent is being discharged to CETP for further treatment and disposal and separate storm water drainage line is provided to collect storm water therefore, there is no possibility to mix effluent and storm water.		
(x)	Periodic monitoring of ground water shall be undertaken and results analyzed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.	Complied. Ground water monitoring has done through MoEF & NABL authorized laboratory; obtained results are within limit of standards. Report copies are enclosed as Annexure-8 .		
(xi)	Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.	Complied. Noise levels are monitored through MoEF & NABL laboratory and results are well within limits as per standards, The report copy is enclosed as Annexure-9. PPE's such as earplugs earmuffs are provided to workers.		
(xii)	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.	Complied. Noise levels are monitored through MoEF & NABL laboratory and results are well within limits as per standards, The report copy enclosed as Annexure-9 . Acoustic enclosures, hoods and silencers are provided to all noise generating equipment's as per requirements. i.e. D.G. Set.		
(xiii)	Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB	Complied. Company has well designed CSR policy; company has planted more than 500 trees near Mahad area. Project proponent has planted 491		

	guidelines including selection of plant	number of trees near in industry premises; tree		
	species and in consultation with the	list is enclosed as Annexure-10.		
(xiv)	Adequate safety measures shall be	Complied.		
	provided to limit the risk zone within	Fire extinguisher system is provided at plant site		
	the plant boundary, in case of an	and all raw materials are in liquid form; there is		
	accident. Leak detection devices shall	provision of dyke wall at storage area.		
	also be installed at strategic places for			
	early detection and warning.			
(xv)	Occupational health surveillance of the	Complied.		
	workers shall be done on a regular	or of the or of		
	Eastorios Act	maintained as per Factories Act, copies are		
	Factories Act.	enclosed as Annexure-11.		
(xvi)	The company shall make the	Complied.		
	arrangement for protection of possible	Fire hydrant system has developed and		
	fire hazards during manufacturing	implemented at plant site. Fire NOC has obtained		
	process in material handling.	from MIDC; copy enclosed as Annexure-12 .		
(xvii)	The project authorities must strictly	Complied.		
	comply with the rules and regulations	Authorization under Rule 5 of the Hazardous &		
	with regard to handling and disposal of	from Maharashtra Pollution Control Board vide		
	the Hazardous Wastes in accordance with	letter No Format I 0/CC/UAN No		
	and Handling) Rules 2003 (amended)	0000105321/CR2104000614 dated 09.04.2021;		
	Authorization from the MPCB shall be	and hazardous waste is being stored in separate		
	obtained for collections/treatment	designated area and disposal through		
	/storage/disposal of hazardous wastes.	CHWTSDF, records are being maintained in		
		form of Manifest (Form-10); copies are enclosed		
		as Annexure-13. Annual return of hazardous		
		waste (Form-4) is being submitted on MPCB		
(squiii)	Popular mark drills for the on-site	portal copy is enclosed as Annexure-14 .		
	emergency management plan shall be	Periodic mock drills are being carried out to		
	carried out Implementation of changes	identify required changes in on site emergency		
	/improvements required, if any, in the	plan. The same is being updated as per		
	on-site management plan shall be	requirement. Last mock drill is done for		
	ensured.	emergency preparedness dated 27.08.2021; mock		
(:)		drill report copy is enclosed as Annexure-15 .		
(X1X)	A separate environment management	Complied.		
	for implementation of the stipulated	provided for smooth working of environmental		
	environmental safeguards.	safeguards. Copy is enclosed as Annexure-16 .		
(xx)	Separate funds shall be allocated for	Complied.		
	implementation of environmental	Separate funds are allocated for environmental		
	protection measures/EMP along with	protection measures /EMP, item-wise break-up is		
	tem-wise breaks-up. These cost shall be included as part of the project cost	below.		
	The funds earmarked for the	Sr. Cost of environmental Capital Cost &		
	environment protection measures	No. protection measures recurring cost		

	shall not be diverted for other			(Rs.) in lacks
	purposes and year-wise expenditure	1.	Air Pollution Control	0.5
	should reported to the MPCB & this department.	2.	Water Pollution	24.5
	F		Control	
		3.	Noise Pollution Control	0.3
		4.	Environment	1.2
			monitoring	
			and Management	
		5.	Occupational health	5.5
			and safety	
		6.	Green Belt	7.5
		7.	Solid waste	2.57
			management	
		8.	Rain water harvesting	0.6
			Total Cost	42.67
(xxi) (xxii)	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1 st June & 1st December of each calendar year.	Project We of comp of of autho	et proponent has consente ensure that submission liance status reports of s environmental clearance prities on regular basis	d to condition. n of six monthly stipulated conditions re to respective
(xxiii)	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Projec EC cc	t proponent has consente py is submitted to local	d to condition. MPCB office.
(xxiv)	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It	Project We comp of e monit	et proponent has consente ensure that submission liance status reports of s nvironmental clearance ored data to respecti	d to condition. n of six monthly stipulated conditions with results of ve authorities on

	shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	regular basis. Monitoring of ambient air, stack, effluent and noise is being done through MoEF & NABL authorized laboratory and monitored data of criteria pollutants (SPM, RSPM, and SO2 & NOx) is displayed near company main gate and it is being updated regularly. Monitoring report copies are enclosed as Annexure-17 .
(xxv)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Project proponent has consented to condition. We ensure that submission of six monthly compliance status reports of stipulated conditions of environmental clearance including results of monitored data of stack, ambient air, effluent & noise to respective authorities on regular basis
(xxvi)	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. Environmental statement report for financial year ending with March, 2021 is submitted; copy is enclosed as Annexure-18 .
1.	The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.	Project proponent has consented to condition.
2.	In case of submission of false document and non-compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.	Project proponent has consented to condition.

3.	The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.	Project proponent has consented to condition.
4.	Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, and amendments by MoEF & CC Notification dated 29th April, 2015.	Project proponent has consented to condition. Company has obtained Consent to operate from MPCB and industry is in operation phase.
5.	In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.	Project proponent has consented to condition.
6.	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.	Project proponent has consented to condition.



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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

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

Subject: Environment Clearance for Akzo Nobel India Limited Sir.

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-I, Maharashtra in its 143rd meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 115th meetings.

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

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

1.Name of Project	Akzo Nobel India Limited			
2.Type of institution	Private			
3.Name of Project Proponent	Mr. Shrikant K. Kulkarni.			
4.Name of Consultant	Sadekar Enviro Engineers Pvt. Ltd. QCI NABET Accredited Consultancy :Certificate no. NABET/EIA/1518/ RA 020			
5.Type of project	Not applicable. Brown field industrial project			
6.New project/expansion in existing project/modernization/diversification in existing project	expansion in existing project			
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	no AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			
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			
	not aplicable. industrial project			
12 IOD/IOA/Companying/Diam				
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Not aplicable. industrial project			
12.IOD/IOA/Concession/Plan Approval Number	IOD/IOA/Concession/Plan Approval Number: Not aplicable. industrial project Approved Built-up Area: 8345.7			
12.IOD/IOA/Concession/Plan Approval Number 13.Note on the initiated work (If applicable)	IOD/IOA/Concession/Plan Approval Number: Not aplicable. industrial project Approved Built-up Area: 8345.7 no work is initiated			
12.IOD/IOA/Concession/Plan Approval Number 13.Note on the initiated work (If applicable) 14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD/IOA/Concession/Plan Approval Number: Not aplicable. industrial project Approved Built-up Area: 8345.7 no work is initiated not applicable. Plan will be submitted to MIDC, Mahad.			
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SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



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



Government of Maharashtra

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Page 2 of 14 Secretary SEIAA)

22.Production Details							
Serial Number	Pro	duct Existing		(MT/M)	Proposed (MT/M)	Total (MT/M)	
1	Organic (Pure)	Peroxides) Total	99	.78	185.18	284.96	
2	Refilling/ l Metal Alk	olending of cyls (Pure)	66	.67	75.17	141.83	
3	3 Byproduct: Sodium chloride salt (NaCl))	108	108		
		2	23.Tota	l Wate	r Requiremen	t	
		Source of	water	Not applica	ble		
		Fresh wate	er (CMD):	Not applicable			
		Recycled v Flushing (vater - CMD):	Not applicable			
		Recycled v Gardening	vater - (CMD):	Not applica	ble		
		Swimming make up (pool Cum):	Not applica	ble	Z	
Dry seasor	1:	Total Wate Requireme :	er ent (CMD) Not applicable			EL.	
		Fire fighti Undergrou tank(CMD	ng - ind water):	er Not applicable			
		Fire fighti Overhead tank(CMD	ng - water):	Not applicable			
		Excess tre	ated water	Not applica	ble	No.	
		Source of	water	Not applica	ble R		
		Fresh wate	er (CMD):	Not applica	ble		
		Recycled v Flushing (vater - CMD):	Not applicable			
		Recycled v Gardening	vater - (CMD):	Not applicable			
		Swimming make up (pool Cum):	Not applicable			
Wet season:		Total Wate Requireme :	er ent (CMD)	Not applicable			
		Fire fighti Undergrou tank(CMD	ng - Ind water):	Not applicable			
		Fire fighti Overhead tank(CMD	ng - water):	Not applicable			
		Excess tre	ated water	Not applica	ble		
Details of pool (If an	ails of Swimming I (If any) Not applicable						



24.Details of Total water consumed											
Particula rs	Cons	umption (CM	D)	I	Loss (CMD)		Effluent (CMD)				
Water Require ment	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 & thermopa ck	10	50	60	7 17 24			3	33	36		
Gardening	100	0	100	100	0	100	0	0	0		
Fresh water requireme nt	350	290	640	113	23	136	237	267	504		
		7	V Z	N. M. M.			7				
		Level of the owner table:	Ground	approx. 20 r	n below groun	d level	S.				
		Size and no of RWH tank(s) and Quantity:		1 RWH tank of 10,000 L will be provided							
		Location of the RWH tank(s):		appropriate location will be decided as per architectural drawing							
25.Rain V Harvestin	Water 1g	Quantity of recharge pits:		no recharge pits are proposed							
(RWH)	_	Size of recha :	rge pits	NA ER							
		Budgetary allocation (Capital cost) :		10,00,000							
		Budgetary al (O & M cost)	location :	25,000							
		Details of UG if any :	T tanks	not aplicable							
			K	4())¥	(())44						
DC Starra		Natural wate drainage pat	r tern:	site is MIDC developed land . MIDC drains are provided to each plot for drainage of storm water.							
drainage	water	Quantity of s water:	torm	0.03 cum/sec							
		Size of SWD:		0.6*1*1796 m							
		Sewage gene in KLD:	ration	4 CMD existing and after expansion total 8 CMD sewage will be generated							
		STP technolo	gy:	sewage will	be treated in a	erobic tre	eatment of ET	P			
27.Sewa	ge and	Capacity of S (CMD):	TP	No STP. ETH	P of 700 CMD	capacity is	provided for	effluent treat	ment		
Waste w	ater	Location & a the STP:	rea of	No STP. ETP is provided							
		Budgetary al (Capital cost	location):	proposed co	st for water tr	eatment- I	Rs. 1,00,00,00	00			
		Budgetary al (O & M cost)	location :	Rs.12,00,000							

an

	28.Soli	d waste Management				
Waste generation in	Waste generation:	in construction phase minor quantity construction waste will be generated.				
and Construction phase:	Disposal of the construction waste debris:	construction debris will be used for landfill inside the plot premise				
	Dry waste:	144 TPA scrap plastic and other non hazardous dry waste will be generated in operation phase				
	Wet waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold to authorised re-processor.				
Waste generation in the operation	Hazardous waste:	HW will be disposed at CHWTSDF or it will be sold to MPCB authorised recycler.				
Phase:	Biomedical waste (If applicable):	if generated, it is disposed to authorised party				
	STP Sludge (Dry sludge):	No STP sludge. it is estimated that 14 TPA ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF				
	Others if any:	2 TATES				
	Dry waste:	total 144 MT/year scrap/ dry non hazardous waste will be generated w be sold to authorised recycler.				
	Wet waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold t authorised re-processor.				
Mode of Disposal	Hazardous waste:	Hazardous wet waste will be disposed to CHWTSDF or it will be sold authorised re-processor.				
of waste:	Biomedical waste (If applicable):	if generated, it is disposed to authorised party				
	STP Sludge (Dry sludge):	No STP sludge. it is estimated that 14 TPA dry ETP sludge will be produced during operation phase. it will be disposed to CHWTSDF				
	Others if any:	not applicable				
	Location(s):	additional 2002 sq. m. will be required for expansion of production activity as per plot layout.				
Area requirement:	Area for the storage of waste & other material:					
	Area for machinery:	WHEN THE SAME				
Budgetary allocation	Capital cost: 2())	0				
O&M cost):	O & M cost:	Rs. 3,00,000				

Government of Maharashtra

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Page 5 of 14

Shri Satish.M.Gavai (Member Secretary SEIAA)

29.Effluent Charecterestics							
Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)		
1	pН			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	MIM	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	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	140		90 % survival of fish after first 96 hrs. in 100 % effluent.	90 % survival of fish after first 96 hrs. in 100 % effluent.		
Amount of e (CMD):	effluent generation	after expansion 504 CMD					
Capacity of	the ETP:	700 CMD					
Amount of t recycled :	reated effluent	2 1 1					
Amount of v	water send to the CETP:	504 CMD					
Membershi	p of CETP (if require):	Member of CETP Mahad. membership no. : 112					
Note on ET	P 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

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Page 6 of 14

Shri Satish.M.Gavai (Member Secretary SEIAA)

30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	alkali residue	12.2	TPA	20		20	CHWTSDF
2	chemicals containing residue from decontamination	33.1	TPA	2.4	2.6	5.0	CHWTSDF
3	used/ spend oil	5.1	TPA	2.4	2.4	4.8	MPCB authorized recycler
4	spent solvent	20.2	TPA	12	12	24	CHWTSDF/ MPCB authorized recycler
5	discarded containers/ barrels / liners/ plastic bags/ PPE	33.3	nos.	120	120	240	CHWTSDF/ MPCB authorized recycler
6	chemical sludge from wastewater treatment	34.3	ТРА	7.2	6.8	14	CHWTSDF/ MPCB authorized recycler
7	evaporation salt (NaCl)	37.2	ТРА	128	144	144	CHWTSDF/ MPCB authorized recycler
31.Stacks emission Details							
Serial Number	Section & units	Fuel Used with Quantity		Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	DG set (500 KVA)	5 135 L/h	our HSD 🕜	5 1	10	0.15	265 C
2	Scrubber (Process stack)			2	16	0.5	59 C
3	Diesel engine stack-1	22 L/h	r HSD	3	6.5	0.1	199 C
4	Diesel engine stack-2	🚬 17 L/h	r HSD	4	6	0.07	214 C
5	Boiler stack	834 Kg/da	y LDO/ FO	5	30	0.3	160
6	DG set (200 KVA)	Discon	nected		K I	(J	
	5	32.De	tails of I	uel to b	e used	5	
Serial Number	Type of Fuel		Existing	महा	Proposed	7	Total
1	HSD	Z(D)	174 L/hr	. 2	0		174 L/hr
2	LDO/ FO	\sim		834 Kg/day			834 kg/day
Source of F	uel	local	vendors	TVA			
Mode of Tra	ansportation of fuel to sit	by ro	ad transport	ation			
			-4-0				C
	33.Enerav						

Maharashtra

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Page 7 of 14 Secretary SEIAA)

		Source of power supply :	MSEDCL				
		During Construction Phase: (Demand Load)	1375 KW				
		DG set as Power back-up during construction phase	500 KVA				
		During Operation phase (Connected load):	1850 KW				
Powe requires	er ment:	During Operation phase (Demand load):	1850 KW				
		Transformer:	1000 KVA				
		DG set as Power back-up during operation phase:	yes. existing 500 k	VA DG will be used.			
		Fuel used:	135 L/Hr HSD				
		Details of high tension line passing through the plot if any:	Plot is in MIDC, Mahad. No high tension line is passing through the p				
		34.Energy savi	ng by non-cor	ventional method:			
		BA A	.020				
		36.Detail	calculations &	🗞 % of saving: 🤍			
Serial Number	Е	nergy Conservation Me	easures	Saving %			
1		E C		K R			
		37.Details	of pollution c	ontrol Systems			
	-		- I	ond of Systems			
Source	1	Existing pollution contr	ol system	Proposed to be installed			
Source process emissions	l 1 alkali s	Existing pollution contr crubber of 25 Cum/hr cap	ol system bacity is provided .	Proposed to be installed 1 addtional alkali scrubber of 50 cum/hr capacity will be provided			
Source process emissions boiler emissions	l 1 alkali s pı	Existing pollution contr scrubber of 25 Cum/hr cap resently no boiler is used	ol system pacity is provided . in the plant	Proposed to be installed 1 additonal alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines.			
Source process emissions boiler emissions DG set emissions	1 alkali s pr DG set	Existing pollution contract crubber of 25 Cum/hr cap resently no boiler is used is used in power cut only neight is provided as per c	ol system bacity is provided . in the plant . Adequate stack puidelines.	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used			
Source process emissions boiler emissions DG set emissions sewage treatment	1 alkali s pi DG set sewage	Existing pollution contr ccrubber of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per g is mixed with effluent ar sequencing batch reactor	ol system bacity is provided . in the plant . Adequate stack guidelines. ad it is treated in or of ETP	Proposed to be installed 1 addtional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised.			
Source process emissions boiler emissions DG set emissions sewage treatment Diesel engine stacks	1 alkali s pi DG set l sewage	Existing pollution contractions of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per g is mixed with effluent ar sequencing batch reactor adequate stack height is	ol system Dacity is provided . in the plant . Adequate stack puidelines. Ind it is treated in r of ETP provided	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used			
Source process emissions boiler emissions DG set emissions sewage treatment Diesel engine stacks process effluent treatment	1 alkali s pr DG set l sewage A 700 prim sequenc aerobic tr	Existing pollution contractions of 25 Cum/hr cap resently no boiler is used is used in power cut only neight is provided as per g is mixed with effluent ar sequencing batch reactor adequate stack height is OCMD capacity ETP is use ary treatment and second ting batch reactors are en reatment of the effluent. T is dischared to CETP, Mal	ol system Dacity is provided . in the plant . Adequate stack guidelines. ad it is treated in or of ETP provided ed consisting of ary treatment. ployed for better he treated effluent had MIDC.	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used 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.			
Source process emissions boiler emissions DG set emissions sewage treatment Diesel engine stacks process effluent treatment Noise pollution	1 alkali s pr DG set h sewage A 700 prim sequence aerobic tr j Acoustic genera equipm	Existing pollution contr acrubber of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per g e is mixed with effluent ar sequencing batch reactor adequate stack height is 0 CMD capacity ETP is use ary treatment and second sing batch reactors are en reatment of the effluent. T s dischared to CETP, Mal c enclosures, a housing is ating equipment. periodic ent is done to reduce nois	ol system Dacity is provided . in the plant . Adequate stack guidelines. ad it is treated in or of ETP provided ed consisting of ary treatment. ployed for better The treated effluent had MIDC. provided to noise maintenance of se and vibrations.	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used 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. additional equipment will be provided with acoustic enclosures to control noise pollution			
Source process emissions boiler emissions DG set emissions sewage treatment Diesel engine stacks process effluent treatment Noise pollution Solid waste management	1 alkali s pr DG set f sewage A 700 prim sequence aerobic tr i Acousting generation equipm Non have vendors. or sol	Existing pollution contr acrubber of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per g e is mixed with effluent ar sequencing batch reactor adequate stack height is 0 CMD capacity ETP is use ary treatment and second ting batch reactors are en reatment of the effluent. T s dischared to CETP, Mal c enclosures, a housing is ating equipment. periodic ent is done to reduce nois attractions waste is sold to a Hazardous waste is dispond to MPCB authorised dea category.	ol system bacity is provided . in the plant . Adequate stack guidelines. In the plant	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used effluent stream load seqregation 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. additional equipment will be provided with acoustic enclosures to control noise pollution The existing treatment methods will be continued for additional waste generated. Salt recovered from the salt recovery system will be sold as byproduct.			
Source process emissions boiler emissions DG set emissions sewage treatment Diesel engine stacks process effluent treatment Noise pollution Solid waste management Budgetary a (Capital co	1 alkali s pr DG set f sewage A 700 prim sequence aerobic tr i Acoustic genera equipm Non ha vendors, or sole	Existing pollution contr acrubber of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per of e is mixed with effluent ar sequencing batch reactor adequate stack height is 0 CMD capacity ETP is use ary treatment and second sing batch reactors are en reatment of the effluent. T s dischared to CETP, Mal c enclosures, a housing is ating equipment. periodic ent is done to reduce nois azardous waste is sold to a Hazardous waste is dispo d to MPCB authorised dea category. Capital cost:	ol system Dacity is provided . in the plant . Adequate stack guidelines. ad it is treated in or of ETP provided ed consisting of ary treatment. ployed for better The treated effluent had MIDC. provided to noise maintenance of se and vibrations. authorised scrap posed to CHWTSDF alers as per HW capital cost for ade capital cost.	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used 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. additioinal equipment will be provided with acoustic enclosures to control noise pollution The existing treatment methods will be continued for additional waste generated. Salt recovered from the salt recovery system will be sold as byproduct.			
Source process emissions Doiler emissions DG set emissions sewage treatment Diesel engine stacks process effluent treatment Noise pollution Solid waste management Budgetary a (Capital co O&M co	1 alkali s pr DG set l sewage A 700 prim sequence aerobic tr i Acoustic genera equipm Non ha vendors. or sol	Existing pollution contr acrubber of 25 Cum/hr cap resently no boiler is used is used in power cut only height is provided as per g e is mixed with effluent ar sequencing batch reactor adequate stack height is O CMD capacity ETP is use any treatment and second bing batch reactors are en reatment of the effluent. T s dischared to CETP, Mal c enclosures, a housing is ating equipment. periodic ent is done to reduce nois izardous waste is sold to a Hazardous waste is dispo d to MPCB authorised dea category. Capital cost: O & M cost:	ol system Dacity is provided . in the plant . Adequate stack guidelines. In the plant . Adequate stack guidelines. In the plant . Adequate stack guidelines. In the treated in provided ed consisting of ary treatment. Inployed for better The treated effluent had MIDC. In the plant provided to noise maintenance of the and vibrations. Authorised scrap Desed to CHWTSDF alers as per HW Capital cost for add capital cost. Rs. 5,00,000 for pr	Proposed to be installed 1 additional alkali scrubber of 50 cum/hr capacity will be provided proposed FO/LDO run boiler will be provided stack as per CPCB guidelines. no additional DG set is proposed. existing controlling methods will be used existing treatment method will be utilised. no additional diesel engines are proposed. Existing controlling methods will be used effluent stream load seqregation 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. additional equipment will be provided with acoustic enclosures to control noise pollution The existing treatment methods will be continued for additional waste generated. Salt recovered from the salt recovery system will be sold as byproduct. ditional energy requirement is included in project			

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263

Shri Satish.M.Gavai (Member Secretary SEIAA)

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	a) Construction phase (with Break-up):						
Serial Number	Attributes	Parameter	Total Cost p	er annum (Rs. In Lacs)			
1	air pollution control	dust emission- construction of barriers, water sprinkling on emission sources, cement bags will be stored in closed area and handled appropriately., only PUC certified vehicles will be used for transportation of construction materials		2.00			
2	water pollution control	the sewage will be treated in ETP. the waste water which will be generated from construction processes will be treated in existing ETP	Des ser	0.5			
3	noise pollution control	noise generating operations will be carries out only in daytime. the housing/ barriers will be provided for equipment.	al al ram	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.	मुहा भर	1.0			
	b) Operation Phas	e (with Break-up):			
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Air Pollution Control	1 additional alkali scrubber of 50 cum/hr will be provided with appropriate stack height in the expansion phase. 3. The proposed FO/LDO run boiler will be provided stack as per CPCB norms.	ashti	1.2 ra			

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Shri Satish.M.Gavai (Member Secretary SEIAA)

2	Water Co	Pollution ontrol	Effluent stream segregation will I done before treatment. High T effluent stream wil treated in salt recovery system a condensate will I mixed with low TI stream and it will treated in two sta ETP. Low TDS/CC stream will be trea in two stage ETI consisting of prima and secondary treatment. One additional SBR of CMD capacity will provided for secondary treatment	De DS l be nd DS be ge DD ted Ary 250 be ent.	10	1,00	7		12	
3	Noise Co	Pollution	Along with existin control measures acoustic enclosur will be provided a better equipmen maintenance will done for effectiv noise pollution con	ng s, es nd t be e trol.	Ter	DJ F H		MAC	0.5	
4	Envi Monit Man	ronment oring and agement	periodic monitori will be done inside plant including ambient air monitoring , wor place monitoring source emission monitoring.	ng the k ſ,		5	U they	HUHK	12	
5	Occupat	ional Health	Periodic safety training, health checkup of employ . Medical facilities provided to employees.	ees are	मु	024		Barry	0.5	
6	Gre	en Belt	the existing green will be maintaine properly	belt d	()	Mr.			3	
7	Soli Man	d Waste agement	Solid hazardous wa will be disposed a CHWTSDF or it will sold to MPCB authorized recycle Non hazardous wa will be disposed through MPCB authorized dealen The salt which i recovered from hi TDS effluent will sold as byproduc	aste at l be ers. ste s gh be t.	m a	ier sh	nt ti	ra)f ₃	
8	Water c	onservation	RWH tank will b constructed for collection and use roof top rain wat	e of er		10			0.25	
39.S	torag	e of ch	emicals (inf sub	lam sta	nabl	e/explo es)	osiv	/e/haz	zardou	s/toxic
Descri	ption	Status	Location	Sto Cap in	orage oacity MT	Maximum Quantity of Storage at any point of time in MT	Cons / Mo	umption onth in MT	Source of Supply	Means of transportation

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA- STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263	Page 10 of 14	Shri Satish.M.Gavai (Member Secretary SEIAA)
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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	13/	3	9.3	Local	road
Sodium hydroxide (30%)	Liquid	Tank	45	45	198	Local	road
Potasium hydroxide	Solid	Drums	(d 387	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	92	12	4.5	Imported	Sea
Methyl ethyl ketone	Liquid	Drums	S 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	2	7	Imported	Sea
Isononanoic Acid	Liquid	Drums	1	$\langle (1) \rangle$	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 Ot	her Info	rmation			
No Information Available							

Maharashtra

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263

Shri Satish.M.Gavai (Member Secretary SEIAA)

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

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

Specific Conditions:	AF ABA AF					
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.					
п	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.					
ш	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.					

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA- STATEMENT-0000000209) SEIAA-MINUTES-000000360	Page 12 of	Shri Satish.M.Gavai (Member
	I uge 12 of	Sint Sutishin Guvun (Meniber
SEIAA-EC-000000263	14	Secretary SEIAA)

XIX	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department
XXI	The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in
XXII	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
XXIII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
XXIV	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO2, NOx (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
XXV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
XXVI	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.



Government of Maharashtra

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-0000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263



Shri Satish.M.Gavai (Member Secretary SEIAA) 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, 1stFloor, 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-
- 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

SEIAA Meeting No: 115 Meeting Date: February 6, 2018 (SEIAA-STATEMENT-000000209) SEIAA-MINUTES-0000000360 SEIAA-EC-0000000263





कम्पना राजस्ट्रार के कायालय आमलख में उपलब्ध पत्राचार का पताः Mailing Address as per record available in Registrar of Companies office: Akzo Nobel India Limited GEETANJALI APARTMENT, 1ST FLOOR, 8-B, MIDDLETON STREET, KOLKATA – 700071, WEST BENGAL, INDIA



GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS

Office of the Registrar of Companies

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

Certificate of Incorporation pursuant to change of name

[Pursuant to rule 29 of the Companies (Incorporation) Rules, 2014]

Corporate Identification Number (CIN): U24100PN2018PTC174373

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

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

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



CHEREDDY JAGANADH REDDY

Registrar of Companies RoC - Pune

Mailing Address as per record available in Registrar of Companies office: NOURYON CHEMICALS INDIA PRIVATE LIMITED

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





Fax We Em	: 24010 :: 24023 bsite: h ail: cac-	706/24010437 1516 ttp://mpcb.gov.in cell@mpcb.gov.in		Kalpataru Poin 4th floor, Opp. Cinema, Near Sion (E), Mumb	t, 2nd and Cine Planet Sion Circle, bai-400022
REI	D/L.S.I (R22) ht1.0/CC/UAN No.000	0105321/CR 210	4000614 Dat	ne: 09/04/20
To, M/s Plo Tal	i. Noury t No. E- :- Maha	on Chemicals India 18, 19, 20 & C-61 (P d, Dist:- Raigad.	Pvt. Ltd., lart), MIDC Mahad	Tour Service	Is Our Duty
	Sub:	Grant of Renewal	of Consent to Ope	rate in RED/LSI Cate	gory
	Ref:	1. Board has grante 0000003495/200 28.02.2021.	ed Consent to Operat 330000030 dtd. 12.0	e vide Format 1.0/CC/0 3.2020 which is valid u	JAN No. pto
		2. Your application	No.MPCB-CONSENT-	0000105321 Dated 29	12.2020
		 Minutes of the 1. 01.02.2021, 2nd 	3th Consent committ Sitting dtd. 12.02.20	ee meeting 1st Sitting 21 & 3rd sitting dtd. 2	dtd. 5.02.2021.
You	r applica	tion No.MPCB-CONSE	NT-0000105321 Date	ed 29.12.2020	
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Mis. Bouryan Chemicals India Pvt. L1d./CR/UAN No. HPC8-CONSENT-0003105221 (95-63-2023 54:55:40 pm) /QMLPO6_F02/00

Page 1 of 8



Con	ditio	ins unde	er Air (P6	CP) Act	, 1981	for air o	emissio	ons:		
N	Sr Stack Description o No. No. source				f stack / Numl e Sta		mber of St Stack		andards to be achieved	
1		5-1	Boiler (1)	1 TPH)			1	As per	Schedule -II	
2		S-2	Diesel En	ngine Hyd	rant		1	As per	Schedule -II	
3		S-3	Diesel En	ngine Spri	inkler		1	As per	Schedule -II	
4		S-4	D. G. Set	(500 kVA	4)		1	As per	Schedule -II	
5		S-5	D. G. Set	(200 kVA	4)		1	As per	Schedule -II	
6		S-6	Process S	Stack-I			1	As per	Schedule -II	
7		S-7	Process S	Stack -II			1	As per	Schedule -II	
Nor	-Haz	ardous	Wastes:							
SI		Тур	e of Was	te	Quant	ity UoN	Treat	tment	Disposal	
1	Pla	astic Wa	ste/Plastic		144	MT/	Sale		Sale to Authorize	
Con trea	tme	nt and o	der Haza disposal o ry No./ Ty	of hazard	dous wa	UoM	Treat	ment	Disposal	
Con trea Sr No	ditio	ons und nt and d Categor	der Haza disposal o ry No./ Ty	rdous 6 of hazard /pe Q	dous wa	UoM	Treat	iment	Disposal	
Con trea Sr No	5.1	ons und nt and o Categor Used or	der Haza disposal o ry No./ Ty spent oil	rdous 6 of hazard ype Q	dous wa Juantity 4.8	UoM MT/A	Treat	ment ycle	Disposed Sale to authorize reprocessor /Recycler	
Contreator	5.1 12.7	Categor Used or Spent a	der Haza disposal o ry No./ Ty spent oil acid and al	rdous 6 of hazard /pe Q kali	4.8 20	MT/A	Treat Rec Lar	wew ycle	Disposal Sale to authorize reprocessor /Recycler CHWTSDF	
Sr No 1 2 3	5.1 12.2 20.2	Used or Spent a Spent a	der Haza disposal o ry No./ Ty spent oil acid and al solvents	kali	4.8 20 24	MT/A MT/A	Treat Rec Lar	ment ycle hdfil ycle*	Disposal Sale to authorize reprocessor /Recycler CHWTSDF Sale to authorize recycler /CHWTSDF	
Contrea Sr No 1 2 3	5.1 5.1 12.2 20.2 33.1 cont Che	Used or Spent a Spent a Spent s Empty tainers/li taminate micals	der Haza disposal o ry No./ Ty spent oil acid and al solvents barrels/ iners ed with Haz	rdous 6 of hazard /pe Q kali	4.8 20 24 240	MT/A MT/A MT/A Nos./Y	Rec Lar Rec Recond	rment ycle hdfil ycle*	Disposal Sale to authorize reprocessor /Recycler CHWTSDF Sale to authorize recycler /CHWTSDF Sale to authorize reconditioner	
Sr No 1 2 3 4 5	5.1 5.1 12.2 20.2 33.1 cont Chei 34.1 resid	Used or Contempor Used or Contempor Used or Contempor Spent a Contempor Spent s Contempor tainers/li taminate micals Chemic due arisi contaminate	der Haza disposal o ry No./ Ty spent oil acid and al solvents barrels/ iners ed with Haz cal-contain ng from ation.	rdous 6 of hazard /pe Q kali z.	20 24 240 5.0	MT/A MT/A MT/A Nos./Y MT/A	Rec Lar Recond Incine	ratent ycle hdfil ycle* ditioner eration	Disposal Sale to authorize reprocessor /Recycler CHWTSDF Sale to authorize recycler /CHWTSDF Sale to authorize reconditioner	
Sr No 1 2 3 4 5 6	5.1 5.1 12.2 20.2 33.1 cont Chei 34.1 resid decc 35.3 was	Used or Used or Spent a Spent s Empty tainers/li taminate micals Chemic due arisi ontaminate softemic te water	der Haza disposal o ry No./ Ty spent oil acid and al solvents barrels/ iners ed with Haz cal-contain ng from ation. cal sludge treatment	rdous 6 of hazard /// 9 kali z. ling from t.	20 24 240 5.0	MT/A MT/A MT/A Nos./Y MT/A MT/A	Treat Rec Lar Recond Incine	riterat ycle hdfil ycle* ditioner eration hdfil	Disposal Sale to authorize reprocessor /Recycler CHWTSDF Sale to authorize recycler /CHWTSDF Sale to authorize reconditioner CHWTSDF CHWTSDF	

No. Revenue Chamicals India Pvt. UKJ-CR/MR No. MPCB-CONSENT-0000105321 (39-03-3821 D4:58:40 pm) /(3PL)-P04 F02/00

Page 2 of 8



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

For and on behalf of the Maharashtra Pollution Control Board.

1 auguno (Ashok Shingare IAS),

(Ashok Shingare IAS), Member Secretary

Received Consent fee of -

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

Copy to:

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

His. Newyor Chamicals India Pv4. Ltd./CA/GAN No. MPCB-CONSENT-000E205321 (09-43-2021 04:59:40 pm) /QHS.P04_F02/00

Page 3 of 8



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	-	 	
-		 	

Terms & conditions for compliance of Water Pollution Control:

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

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

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

Nix. Newyor Chemicals India Pvt. Ltd./CA/LAN No. HPCB-CONTENT-0000105333 (05-03-2221 84:05:40 pvt) /QMLPD4_F02/00

Page 4 of 9



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

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

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

SCHEDULE-II Terms & conditions for compliance of Air Pollution Control:

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

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

M/s. Resr/set Chamicals India Pvt, Ltd./CR/UAN No. NPCS-CONSENT-0000105321 (09-03-2023 64:59:48 pm) /CPELPO6 /102/00

Page 5 of 9



Sta	o. Atta	tack thed To	APC System	Height in Mtrs.	of Fuel	Quantity & UoM	5%	SO ₂ (kg/day
S-7	Proce Stack	55 -	Water Scrubber	10.0		1		-
(*- A	bove roof l	evel)					:90. r	
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Acid	d Mist			,	lot to exc	eed	35 m	ng/ Nm3
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Min. Neuryon Chamicals India Pvt. Ltd./CR/GAN No. MPCB-CONSENT-0000105321 (09-03-2022 04:59:48 pm) /OHS.PO4 /92/00

Page 6 of 9



	SCHEDULE-IV General Conditions:
1	The Energy source for lighting purpose shall preferably be LED based
2.	The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant.
3,	Conditions for D.G. Set
	 a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
	b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
	c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
	 d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
	e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
	f) D.G. Set shall be operated only in case of power failure.
	g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
	h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
4.	The applicant shall maintain good housekeeping.
5.	The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6.	The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7.	The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8.	The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPC8 official site).
9,	The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10.	The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11.	The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

M/s. Neuryan Chemicals India Pvt. Ltd./CR/UAN No. NPEB-CONSENT-0000105321 (09-03-2021 04:59:40 pm) /OPE.P04_P02:00

Page 7 of 9



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

His. Buoryon Chamicals India Pvt. Ltd./CR/UAN No. HPCS-CONSENT-0000105331 (05-03-3021 04:59:40 pm) /QHS.POB.F02/00

Page 5 of 5


Maharashtra Pollution Control Board 6070409dc8ae785842a6f975

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

For and on behalf of the Maharashtra Pollution Control Board.

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(Ashok Shingare IAS). Member Secretary

Mis. Newyor Chemicals India Pvt. Ltd./CR/UAN No. NPCB-CONSENT-6000365321 (29-03-2021 04:58-40 pm) /QMS-P06_F02/00

Page 5 of 5



Maharashtra Pollution Control Board 6070409dc8ae785842a6f975

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List of raw material :

Name	Total in
	MT/year
Hydroperoxide	54
2-FHCI	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
Potasium 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
Spirdane D60	350
Sulphuric acid	112
ТВА	25
Tert.butyl hydroperoxide 70 %	1116.4
solution	
Toluene	364
Total	10021.4
Water (as solvent base)	200 CMD

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



No.DE(M)/E-18/ 814865 Office of the Deputy Engineer MIDC, Mahad Sub-Division, Mahad Dated: 30.03.2017

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

> Sub : Change of companies name & sanctioned of 15mm dia water supply connection of plot No. E-18 m 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 & minuted charges Ra. 575/-vide receipt No. 09C17_000689 & 09C17_000690 (It. 29.03.2017 & accepted all terms & conditions under Water Supply Agreement, 15 mm diameter size of water supply connection is hereby sanctioned, taking in to consideration 11.50m3 / day requirement. The side 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 faithf

(S. S.

MIDC, Mahad Sub Division, Mena

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

(A C (Iss	tharashtra In Sovemment of Ma ued Subject to M Wat	dustrial Developr anarashira Undertaking IDC's water Supply Re er Bill _ Provisiona	nent Corpora) gulalion 1973) al IRN NO	tion):	GST Sta	'IN: 27AA ate: 27-M	ACM3560 Iaharashtr	C1ZV a	Original for Duplicate for	receipent or Supplier	
CustGSTIn: 2	7AAQCA4386	AIZL		Mat	iad			BILINO) :: Si2200040	0449	
Consumer No	:- DV009/361	MHD/301	Issued Date :	: 15-09	-2021		MO	007 168	r :: August,202		
NOURYON C	HEMICALS	Consur	ner Type: 1C	1		1 14	Meter Siz	(e: 50 wa 40.0	0	Deposit A	1111.
INDIA PVT. L		Plot / Si	hed Area: 66.	150.00	0	Nin Nin	n. Qy Di Olv / Mon	iy. 40.0 th:	.0	668,815.	00
E - 19 & 20, E MAHAD INDL	BlockMIDC ARE		Block No E Zone: 10	10 04 2	0	Sancti	on Qty / da leter Statu	ay: is: Wor	king	Add. Sec.	Dep
State: 27-Mah	arashtra	Cap Co	ntribution:				Stand Ch	iğ:		<u></u>	
Bcc. Yes	Office Order	: dt: 30-12-2014 E	ind Dt:			Carpe	tArea:	0.00		CETP De	р
CETP: Yes	Order No : E	Dated :	001.1	•	ст	o · v	05	το·V	MRCB · Y		
Env Yes	Builtup Area	4,465.00	<u></u>		G-1	<u>F</u>	كتيان	<u></u>			
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	Reading	Date	Reading	Ua							
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CETP-Collect	for Agency	173,263.00	(0.00		0.00		0.00	999433 GST @ 12 0.00	00% Security Dep	iosite =
TOTAL		358,582.00	(00 0		0.00		0.00			

LAST PAYMENT DETAILS Rept. No 22MAH00001226, 06-09-2021, 374,001.00 Date



Rupees Three Lacs Fifty Eight Thousand Five Hundred and Eighty Two Only

For Online Payment visit MIDC web site www.midcindia.org and use Consumer

Cheque / DD/ PO should be drawn in favour of xe usive Engineer MIDC Mehad Civil Payment Timings 10 30 00 am to 01 30 00 pm. Closed on Sature Sundays and Public Holidays. For any queries, contact Deputy new 31 C Proce Nn GST Mo.

EXECUTIVE COMMITEE

<u>Chairman Emeritus</u> Mr. Suresh S. Bhonsle suresh.bhonsle@gmail.com Mob. 9819830246

<u>Chairman</u> 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

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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 memail :mma.cetp@mmamahad.com AN-ISO CERTIFIED COMPANY

MMACETP/COR/2018-19/251

Date: 14/03/2019

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

Reference: - Your letter dated 05th March 2019.

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

Dear Sir,

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

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

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

For MMA CETP Co-Operative Society LTD.

Ohairman (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



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

SAVE WATE

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

		ANALYS	IS TEST RE	PORT			
Report Number	SEETL21000	SEETL210001372		Report Date	28/06/2021		
Nam e of Client	M/s. Noury	M/s. Nouryon Chemicals India Pvt Ltd.					
Address of Client	Plot No. E-1	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad, 402302, Maharashtra					
Order/Reference	PO No. 420	PO No. 4200135601, Dated on-02.06.2021					
Sample Collection Date	11/06/2021	2021 Sample Receipt Date		12/06/2021			
Analysis Started On	14/06/2021		Analysis Completed On		25/06/2021		
ULR Number							
Sampling Plan	SEETL/LD/F-	03	Samp	ling SOP No.	SEETL/LD/SOP/WA-62		
Environmental Condition Of lab	Temp ^{⁰ C}	27.5		Humidity %	54		
Sampling Point	Borewell						
Sample Details	Ground Wat	er			······································		
Sample Container	PVC Can	<u> </u>	S	ample Quantity	5000 ml		
Sample Collected By	SEETL Repres	sentative	***** *	<u>.</u>			
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Chemical Parameters

Parameter	Result	Unit	Method
рН	7.04	-	IS 3025 (Part 11) : 1983 RA 2017
TDS	516	mg/lit	IS 3025(Part 16) : 1984 RA 2017
Color	<5.0	Hazen	15 3025 (Part – 4) – 1983 RA 2017
Odour	Agreeable	-	IS 3025 (Part 5) : 2018
Taste	Agreeable	-	IS 3025 (Part 7 & 8)
Total Hardness	290	mg/lit	IS 3025(Part 21):2009 RA 2019
Turbidity	6.8	NTU	IS 3025(Part 10) : 1984 RA 2017
Chlorides as Cl	89.08	mg/lit	IS 3025 (Part 32):1988 RA 2019
Nitrate as NO ₃	2.33	mg/lit	APHA 4500 NO3-B- 23rd Edition 2017
Total Alkalinity	155	mg/lit	IS 3025(Part 23):1986 RA 2019
Fluorides as F	< 0.5	mg/lit	APHA 4500 F-D-23 rd Edition 2017
Sulphate as SO4	50.32	mg/lit	APHA 4500 SO4 - E -23rd Edition 2017
Anionic Detergents	<0.08	mg/lit	APHA 5540-C-23 rd Edition 2017
Phenolic compound	<0.001	mg/lit	IS 3025 (Part43):1992: RA 2019
	Parameter pH TDS Color Odour Taste Total Hardness Turbidity Chlorides as Cl ⁻ Nitrate as NO ₃ ⁻ Total Alkalinity Fluorides as F Sulphate as SO ₄ ⁻ Anionic Detergents Phenolic compound	ParameterResultpH7.04TDS516Color<5.0	ParameterResultUnitpH7.04-TDS516mg/litColor<5.0

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Page 1 of 2

Format No. SEETL/LD/F-72

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LABORATORY

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



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

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

-			ANALY	VSIS TEST REPO	DRT		
Report Nu	mber	SEETL21	10001372		Report Date	28/06/2021	
lame of (me of Client M/s. Nouryon Chemicals India Pvt Ltd.						
ddre-550	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtr			1. 402302, Maharashtra			
Order / Re	ference	PO No.	4200135601, Da	ted on-02.06.	5.2021		
	er ·	-					
ampling	Plan S	SEETL/LI	D/F-03	Sampling	SOP No. SEETL/LD/SOP/MAN		
Chemica	l Analysis					00010/00/007/WA-02	
Sr. No.	Paramete	r	Result	Unit		Method	
15.	Sulfide		<0.05	mg/lit	APHA 4500-	S2- F- 23 rd Edition 2017	
16.	Ammonia		<0.5	mg/lit	IS 3025 (Par	t 34):1988 RA 2019	
17.	Cyanide		<0.05	mg/lit	IS 3025 (Par	t 27):1986 RA 2019	
18.	Calcium as Ca		83.37	mg/lit	IS 3025 (Par	t 40) :1991 RA 2019	
19.	9. Magnesium as Mg		19.934	mg/lit	IS 3025 (Part 46) :1994 RA 2019		
MetalAn	alysis						
20.	Aluminum as A		0.091	mg/lit			
21.	Arsenic as As		< 0.01	mg/lit	-		
22.	Cadmium as Cd		< 0.0025	mg/lit	_1		
23.	Barium as Ba		0.037	mg/lit			
24.	Boron as B		<0.01	mg/lit	-		
25.	Iron as Fe		0.26	mg/lit			
26.	Molybdenum as	s Mo	<0.01	mg/lit	IS 3025 (Part	65) :2014 RA 2019	
27.	Nickel as Ni		<0.01	mg/lit			
28.	Silver as Ag	[<0.01	mg/lit]		
29.	Lead as Pb		<0.01	mg/lit			
30.	Manganese as N	/In	0.077	mg/lit]		
31.	Selenium as Se		<0.0025	mg/lit			
32.	Zinc as Zn		0.156	mg/lit]		
33.	Mercury as Hg		< 0.001	mg/lit	SEETL/LD/SO	P-WA 38: 2017	

Note : Test results related only to the sample tested.

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

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Page 2 of 2

SAVE WATER

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Ploi No. A-95, Road No. 16, Kisan Nagar Road, M.J.D.C. Wagle Industrial Area, Thana - 400 604. Maharashtra State, India ② : (91-22) 2583 3321 | 2583 3322 / 2583 3323 / 2583 3324 ● E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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SAVE WATER

		ANALYSIS	TEST REPO	RT		
ReportNumber	SEETL210001	SEETL210001372		Date	28/06/2021	
Name of Client	M/s. Nouryon Chemicals India Pvt Ltd.					
Address of Client	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.					
Orde Reference	4200135601	4200135601,Dated on-02.06.2021				
Sample Collection Date	11/06/2021 Sample		Sample	Receipt Date	12/06/2021	
Analy sis Started On	14/06/2021		Analysis Completed On		19/06/2021	
Samp i ng Plan	SEETL/LD/F-03	3	Samplir	ng SOP No.	SEETL/LD/SOP/WA-62	
Envirormental Condition Of lab	Temp ^o C	27.5		Humidity %	54	
Sampling Point	Boreweil	Boreweil				
Sample Details	Ground Wate	r				
Sample Container	Sterile Glass B	ottle		Sample Quantity	250 ml	
Sample Collected By	SEETL Represe	entative				

Chemical Parameters

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

Note : Test results related only to the sample tested.

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



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Plot No. A-95, Road No. 16, Kisan Negar 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 : pra@sadekarenviro.com / psadekar5@gmail.com

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			ANALYSIS TEST REPORT				
Repor	t No.	SEETL210001315	Report Date	19/06/2021			
Name	of Client	M/s. Nouryon Cher	yon Chemicals India Pvt Ltd.				
Addre	ss of Client	Plot No. E-18/19/20	/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.				
Order	/ Reference	PO No. 420011514	1, Dated-08.02.2021				
Date C	of Monitoring	11/06/2021	Time of Sampling	Day			
ULR N	0.			The second s			
Monit	ored By	SEETL Representati	ive				
Sampl	ing Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-31			
		DA	AY TIME NOISE LEVEL MONITORING				
Sr. No.	Sr. Sampling Location No. (From 1 meter away)		Day Time	Noise Limits in dB(A) Leq			
		# W0	ORK PLACE NOISE LEVEL MONITORING				
1.	Production B	uilding	69.8	90			
2.	Day Tank Are	a	70.3	90			
3.	Utility Area		80.1	90			
4.	BCP Area		80.7	90			
5.	R.S. VI		65.8	90			
		Al	MBIENT NOISE LEVEL MONITORING				
6.	Near Main G	ate	62.4	75			
7.	Near New ET	P	71.2	75			
8.	Near Emerge	ency Gate	56.4	75			

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

NOTE: 1) Limit During Day time < 75. (Day time shall mean from 6.00 am to 10.00 pm.)

2) Limit During Night time < 70. (Night time shall mean from 10.00 pm to 6.00 am.)

3) # :- As per Factory Act Rules ,1963 scheduled XXIV Noise Limit 90dB(A) *dB(A) Leg denotes the time Weighted average of the level of sound in decibels on scale A which is relatable to human hearing. 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.

Leq: It is the energy mean of the noise level over a specified period.



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310/ Dempo Towers, EDC Parto, Panaji-403 001. Goa State, India D : (0832) SEETL/LD/F-72 E-mail : sadekarenviro@rediffmail.com * Website : www.sadekarenviro.com

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

Tree Plantation list :

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

		35	53	207
		36	61	204
		37	43	207
		38	18	119
		39	51	216
		40	53	219
		41	71	229
2.	Mango	1	203	244
		2	89	204
		3	79	223
		4	104	232
		5	58	229
		6	74	207
		7	97	241
		8	135	207
		9	127	262
		10	61	210
		11	58	223
		12	41	180
		13	84	207
		14	114	219
		15	51	244
		16	33	152
		17	56	244
		18	97	244
		19	30	122
		20	23	122
		21	20	110
		22	89	244
		23	20	01
		24	13	91
		25	13	00
		26	99	02
		20	97	210
		27	76	223
3	Coconut	1	132	247
5.	Coconut	2	60	204
		2	107	186
		<u> </u>	107	192
		4	122	189
		5	94	192
		6	9/	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	105
		24	124	195
		25	119	195
		25	99	195
		20	117	204
		27	97	204
		20	109	204
		30	97	219
		30	86	226
1	Palm	1	07	204
4.	1 ann	2	114	146
		2	114 23	149
		3	23 58	125
		5	53	146
		5	145	131
		0	14J 59	238
		/ Q	142	213
		0	142	146
		9 10	00	219
		10	99 01	207
		11	81	185
		10	157	
		12	157	250
		12 13	157 168	250 256
		12 13 14	157 168 155	250 256 241
		12 13 14 15	157 168 155 196	250 256 241 219
		12 13 14 15 16	157 168 155 196 117	250 256 241 219 192
		12 13 14 15 16 17	157 168 155 196 117 79	250 256 241 219 192 207
		12 13 14 15 16 17 18	157 168 155 196 117 79 102	250 256 241 219 192 207 219

				1
		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.	Ashtbabhull	1	86	256
		2	127	223
25.	Mhavyache zad	1	76	210
		2	64	241
		3	114	256
		4	124	271
26.	Niv	1	53	244
		2	58	247
		3	56	253
		4	61	262

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

HealthRegister (See Rule 18-A) FORM7-A

(In respect of persons employed in factories except workers engaged in dangerous operation andprocessesorhazardousprocesses) **Nouryon Chemicals India Pvt.Ltd.**

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

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FORM7-A (See Rule 18-A)

HealthRegister

(In respect of persons employed in factories except workers engaged in dangerous operation andprocessesorhazardousprocesses)

Nouryon Chemicals India Pvt.Ltd.

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

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althregister	rs engaged in dangero micals India	AIDC Area, Mahad - Ra	Nature of job or Date	of occupation examin	(7) (8	Pred 1915	Gupentos	7 St. Chemist - M		11 Field	Operator	1 acoptice M		1 Panel -	Operator	Ciold	opeane	1 Gerian		91 Fitte -	Meehoniau	GWPP	Superisor	2 panel -1	Operator an		1
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÷	spect of persons empla	Plot No. E-		Name of worker	(3)	Partan & Trother		Kolpegh L Koden		C. M. Lool. T. Charles	Dubrie 1	4.1	my C wallout		KOMUT R KWIKOWI		Sanjoy B Baba	A A MUMP	HOORNAMAN I THORN	Bunning although	and the second s	1. 1. 2 Carrow	SAND C SMOON	and I and when a low			
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FORM7-A (See Rule 18-A) HealthRegister

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(See Rule 18-A) FORM7-A

HealthRegister

(In respect of persons employed in factories except workers engaged in dangerous operation andprocessesorhazardousprocesses)

Nouryon Chemicals India Pvt.Ltd.

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

Signature of registered medical oractitioner with date	(12)	C,			jar				-		ł	>						-		(***	Contraction of the second	A.B.B.S. AFIN	10. 6177
Health status of worker /disease	(11)	Med. fit		Med Lit.	We Reg. But	Med. Fit		Med. fit .	montering	f) med fit	monitoring	Med. fit		Med. Jit.		Med. fit.		Medifit		Med. Ht.	AC 1999 199	10 ACAUSTING	Reg. N
Test conducted to Ascertain hetth of worker	(10)	- 4						hum	- Fr	BSL R 227m											eur ann 90(2) Y	14 × 41401.20	ते २०२२ पर्यत
Symptoms/ sign observed during examination	(6)							8.9.140100		KICLODM.											Cherne assis	तेत्व प्रकरिता दिन	पासून २५ औषट
Date of medical examinatior	(8)	19 521	, ,	25522		2652	- - -	01/06/21	•	04/062		octodzi		106/21		141621		4		-00-	1	annus	
Nature of job or occupation	6	No valo	LTP	Engl. Oferaly		Elee Engo	3	Preserv	Supervice	Peeduetic	Superior	Flerkkin		Opeator	erp .	OPERator	ELD	FIRS	Mertonice	Monut.	Littee		
Date of employment of present work	(9)	02/01/12		21 23		2606172		18/12/93		OILOS(95		12/07/16		02/0121		010196		20/11/33		06/11/92			
Age (last birthday)	(2)	3		52		33		24	-	48		29		29		46		54	-	54	-	1	
Sex	€	Σ		Σ		Σ		٤		۶		Σ	-	Σ		Σ		Σ	-	Σ	-		
Name of worker	(3)	Joyrah I Todra	2	Sandy SPUH		SWYCY N Monde		Sween DPatil		Sardin M Kodom	14-12	Negesh R Koolm	0	Posesh Lank		Rojean T Level)	Rojan S Medve	,	Dilip 5 John	7		1.00 200
Department	E)	(Beed)		Maint		2	-	Peod.				Mahr		Pred.				Maine		4			
τς S	5	2		32	1	33		34		35		36		37		38		3	-	3			-

	orhazardousprocesses)	ndia.	cted to Health status of Signature of heilth of worker /disease registered medical bractitioner with date	(11) (12)	med. A't i) .	on nord At (Adv. ta consult	Updreas mologings	comminicate	WE I LEDART / DU	et ant arouted arou	M.B.B.S. A.F.I	Reg. No. 61776	वाने अधिनियम १९४८ च्या कलम १०(२) प्रमार	वगढ जिल्ह्याकरिता दिताय २६ आपटी. २७२७ जन्म २००३ ग्रही	यत मन्त्र प्रतितित्तक इ. ACS25-VN201			-				
	eration andprocesse vt.Ltd.	402302Maharashtra	ymptoms/ sign Test cond bserved during Ascertain examination	(6)	•	Sal-Uis	NIO				1		-	5		F		-					
A (8-A) jister	d in dangerous op S India P	Mahad - Raigad,	job or Date of S Ition medical o examination	(8)	cinn 13/6/21	1.4	2 062	2012							•								
FORM7 (See Rule HealthReg	pt workers engage	t/Part), MIDC Area	Date of Nature of Ioyment of accupa	(6) (7)	CO191 Elected		107194 Hele	220				-	-				-						
	d in factories exce Nourvon	19, 20 & C -61(Par	x Age (last birthday) emp) (5)	51 04		80 67																
25	espect of persons employe	Plot No. E-18, 1	Name of worker Se	(3) (4	Bherat D. Swinde M		Lowrath D Fatti M															¥.	
	(In re		Department	(2)	Mame	-	Dard					r									-		
			ло No.r	Ξ	5		3				1	•			. J		j			,			

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MAHARASHTRA INDUSTRIAL DEVELOPMENT CORPORATION

HEAD OFFICE

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



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

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

> Sub: Grant of "Final No Objection Certificate" for construction on Plot No. E-18, E-19, E-20 & C-61(part), MIDC Mahad Indl. Area, Dist. Raigad. Ref: 1) This office Prov. Noc. No. MIDC/Fire/B42510, Dt: 24/04/2018.

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

Dear Sir,

With reference to the above, a representative of this office visited your factory on 09/06/2020 to the above-mentioned address for inspection of fire fighting arrangements provided by you. Since the fire fighting arrangements provided by you were found in satisfactory working conditions this office is issuing a "Final No-Objection Certificate" to your construction on above mentioned address. The Details of the construction is as under;

Building	Proposed FSI Area	Double Ht. FSI Area	Stair
g	Ind.	Ind.	
Boiler Shed Ground Floor	43.46	21.73	
Electrical Room Ground Floor	49.40		
Plant of LDO Storage Tank Area	197.60		
Plant of HCLStorage Tank Area	56.81		
Cooling Tower	4.62		
Pipe Rack	146.41		
Extension to ETP Plant	254.88	109.24	12.50
Process Plant Ground Floor	100.55		56.96
First Floor	102.98	27.25	50.26
Mezzanine	39.72		25.13
Second Floor	94.20		50.26
IBCL Tank Farm	51.98		1.94
H2O2	58.06		1.94
Cold Storage Room	280.34		
Pipe Rack	69.30		
Grand Total	1550.31	158.22	198.99

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

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

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

- 1. Under <u>Section 3</u> of "Maharashtra Fire Prevention and Life Safety Measures Act, 2006" (hereinafter referred to as "said Act"). The applicant (developer, owner, occupier by whatever name called) shall comply with all the Fire and Life Safety measures adhering to National Building Code of India, 2016 and as amended from time to time failing which it shall be treated as a violation of the said Act.
- 2. It is presumed that you have completed the work adhering to the provisions under <u>Section-3</u> of the said Act.
- 3. Under <u>sub-section (3) of Section 3</u>, 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 <u>sub-section (1).</u>

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

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

As per Office Order No. MIDC/Fire Dept/1078 dated 12/07/06 and Office Order No. 768 dated. 23/04/2007, M/s. Nouryon Chemicals India Pvt. Ltd, had paid "Fire Protection & Scrutiny Fund Fees" & Additional Fire protection Fund Fees amounting to Rs. 2,35,890/- vide receipts No. 1073/CH/1207/2018, Dt 09.03.2018 & 1073/CH/2599/2018, Dt 09.05.2018 respectively.

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

Thanking you

Yours faithfully,

Santosh S Warick Digitally signed by Santosh S Warick Date: 2020.06.11 15:27:15 +05'30'

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

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

Submitted Date : 18-05-2021

Unit Name	Plant Name	Submit To
M/s. Nouryon Chemicals India Pvt. Ltd.	M/s. Nouryon Chemicals India Pvt. Ltd.	SRO-Mahad

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

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No.0000105321/CR2104000614	MPCB-HW_MANIFEST-0000099658	MWML-HZW-MHD-4491

Transporter's name and address (including phone no. and email.)											
Transporter Name Vehicle No. Transporter Address Transporter Transporter Email Mobile No. Mobile No.											
M/s Navnath Roadlines , Nath Nagar , M G Road Mahad, Tal- Mahad Dist - Raigad, 402301	MH-06/AC-6859	At Rajewadi, Tal Mahad, Dist Raigad	7744819999	navnathroadlinesmahad@yahoo.com							

	Waste Disposal Details												
Sr No	Date	Waste Category	Waste Name	Waste QTY	Waste Unit	Waste Disposal To	Facility	State	Name of unit	Address of unit	Contact of unit	Email of unit	
1	18-05-2021	20.2 Spent solvents	Used spent solvent	1.350	MT	Pre-Processing		Maharashtra	Kusum Distillation and Refining Pvt Ltd	M Shed No W 32, MIDC Kurkumbh, Tal Daund, Dist Pune	9822517621	kusumchem1@gmail.com	
Number of Containers Physical Form						Special Handling Instructions And Additional Information							
9						Liquid				Use co	orret PPE		

Submitted Date : 18-05-2021

Unit Name	Plant Name	Submit To
M/s. Nouryon Chemicals India Pvt. Ltd.	M/s. Nouryon Chemicals India Pvt. Ltd.	SRO-Mahad

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

Sender authorisation No	Manifest Document No	Membership No (If any)		
CC/UAN No.0000105321/CR2104000614	MPCB-HW_MANIFEST-0000099657	MWML-HZW-MHD-4491		

Transporter's name and address (including phone no. and email.)											
Transporter Name Vehicle No. Transporter Address Transporter Transporter Email Mobile No. Mobile No.											
M/s Navnath Roadlines , Nath Nagar , M G Road Mahad, Tal- Mahad Dist - Raigad, 402301	MH-06/AC-6859	At Rajewadi, Tal Mahad, Dist Raigad	7744819999	navnathroadlinesmahad@yahoo.com							

	Waste Disposal Details													
Sr No	Date	Waste Category	Waste Name	Waste QTY	Waste Unit	Waste Disposal To	Facility	State	Name of unit	Address of unit	Contact of unit	Email of unit		
1	18-05-2021	5.1 Used or spent oil	Used spent oil	0.770	MT	Pre-Processing		Maharashtra	Lubestar Petrochem Industries	Plot No 29 MIDC Mahad	9834781325	lubstar_oil@rediffmail.com		
Number of Containers Physical Form						Special Handling Instructions And Additional Information								
5					Liquid				Use o	orret PPE.				

Submitted Date : 14-06-2021

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

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

Sender authorisation No	Manifest Document No	Membership No (If any)
CC/UAN No.0000105321/CR2104000614	MPCB-HW_MANIFEST-0000105265	MWML-HZW-MHD-4491

Transporter's name and address (including phone no. and email.)											
Transporter Name	Vehicle No.	Transporter Address	Transporter Mobile No.	Transporter Email							
Mumbai Waste Management Limited, Plot No. P - 32 and P - 32 (part), MIDC, Taloja, Panvel.	MH-46/BM-5647	Taloja	9136435853	sudhir.rs@ramky.com							

						Wa	ste Disposal D	etails				
Sr No	Date	Waste Category	Waste Name	Waste QTY	Waste Unit	Waste Disposal To	Facility	State	Name of unit	Address of unit	Contact of unit	Email of unit
1	14-06-2021	35.3 Chemical sludge from waste water treatment	Chemical sludge from waste water treatment	7.743	MT	CHWTSDF	M/s. Mumbai Waste Management Ltd. (MWML), Taloja, Raigad.	Maharashtra	M/s. Mumbai Waste Management Ltd. (MWML)	Taloja, Raigad.	9136435853	sudhir.rs@ramky.com
Number of Containers					Physical Form			Special Handling Instructions And Additional Information				al Information
		9		Liquid			Use corret PPE.					
2	14-06-2021	33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty paint tins	0.425	MT	CHWTSDF	M/s. Mumbai Waste Management Ltd. (MWML), Taloja, Raigad.	Maharashtra	M/s. Mumbai Waste Management Ltd. (MWML)	Taloja, Raigad.	9136435853	sudhir.rs@ramky.com
Number of Containers					Physical Form			Special Handling Instructions And Additional Information				
		63				solid				Use corre	et PPE.	

Submitted Date : 12-07-2021

Unit Name	Plant Name	Submit To
M/s. Nouryon Chemicals India Pvt. Ltd.	M/s. Nouryon Chemicals India Pvt. Ltd.	SRO-Mahad

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

Sender authorisation No	Manifest Document No	Membership No (If any)		
CC/UAN No.0000105321/CR2104000614	MPCB-HW_MANIFEST-0000111128	MWML-HZW-MHD-4491		

Transporter's name and address (including phone no. and email.)						
Transporter Name	Vehicle No.	Transporter Address Transporter Mobile No.		Transporter Email		
Mumbai Waste Management Limited, Plot No. P - 32 and P - 32 (part), MIDC, Taloja, Panvel.	MH-46/BM-5641	Taloja	9136435853	sudhir.rs@ramky.com		

	Waste Disposal Details											
Sr No	Date	Waste Category	Waste Name	Waste QTY	Waste Unit	Waste Disposal To	Facility	State	Name of unit	Address of unit	Contact of unit	Email of unit
1	12-07-2021	34.1 Chemical- containing residue arising from decontamination.	Chemical containing residue	4.09	MT	CHWTSDF	M/s. Mumbai Waste Management Ltd. (MWML), Taloja, Raigad.	Maharashtra	M/s. Mumbai Waste Management Ltd. (MWML)	Taloja, Raigad.	9136435853	sudhir.rs@ramky.com
Number of Containers Physical Form			1	Specia	al Handling In	structions	And Addition	al Information				
		4				Liquid		Use corret PPE.				

FORM FOR FILING ANNUAL RETURNS

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[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:	Submitted On:	
MPCB-HW_ANNUAL_RETURN-0000020444	17-06-2021	
Submitted for Year: April 2020 to March 2021		
1. Name of the generator/operator of facility	Address of the unit/facility	
Nouryon Chemicals India Private Limited	Plot no. E-18,19,20 & C-61 (Part/Part), MIDC Area Mahad	
1b. Authorization Number	Date of issue	Date of validity of consent
CC/UAN No. 0000105321/CR2104000614	Apr 9, 2021	Feb 28, 2026
2. Name of the authorised person	Full address of authorised person	
Amit M.Salagare	Nouryon Chemicals India Private Limited,Plot no. E-18,19,20 & C-61 (Part/Part), MIDC Area Mahad	
	- "	

Telephone	Fax	Email
904917339	02145232148	amit.salagare@nouryon.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	иом
Chemical ,Petrochemical &Electrochemical	Organic Peroxide	3419.5200	957	MT/A
Chemical ,Petrochemical &Electrochemical	Metal Alkyls	1701.9600	336	MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Chloride Salt	1296.0000	70.24	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	ETP Sludge	14.000	3.08	МТА
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty paint tin and oil buckets	240.000	170	numbers/anum
2. Quantity dispatched category wise.				
Type of Waste 34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	Quantity of waste 3.08	ИОМ МТА	Dispatched to Disposal Facility	Facility Name Mumbai Waste Management Limited
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.17	МТА	Disposal Facility	Mumbai Waste Management Limited
3. Quantity Utilised in-house, If any				
Type of Waste	Name of Waste NA	Quantity of Waste 0	UOM KL/Anum	
4. Quantity in storage at the end of the year				
Type of Waste	Name of Waste	Quantity of Waste	иом	

0

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

1.Total Quantity received NA	UOM KL/Anum	State Name Other
2. Quantity in stock at the beginning of the year NA	UOM KL/Anum	
<i>3. Quantity treated</i> NA	UOM KL/Anum	
4. Quantity disposed in landfills as such and after treatm	ient	
Direct landfilling NA	UOM KL/Anum	
Landfill after treatment NA	UOM KL/Anum	
<i>5. Quantity incinerated (if applicable)</i> NA	UOM KL/Anum	
6. Quantiry processed other than specified above NA	UOM KL/Anum	
7. Quantity in storage at the end of the year. NA	UOM KL/Anum	

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

1. Quantity of waste received during the year

Waste Name/Category	Country Name	State Name	Quantity of waste domestic sources	received from	Quantity imported	of waste (If any)	Units
NA	NULL	Other	NA		NA		KL/Anum
2. Quantity in stock at the	beginning of the	year					
Waste Name/Category NA			Quantity NA	и к	IOM (L/Anum		
3. Quantity of waste recyc	cled or co-procese	d or used					
Name of Waste NA	Ту NA	pe of Waste		Quantity NA		UOM KL/Anum	
4. Quantity of products dis	spatched (wherev	er applicable)					
Name of product NA			Quantity NA	1	UOM KL/Anum		
5. Total quantity of waste	generated						
Waste name/category NA			quantity NA	i I	UOM KL/Anum		
6. Total quantity of waste	disposed						
Waste name/category NA			quantity NA	l	UOM KL/Anum		
7. Total quantity of waste	re-exported (If Ap	oplicable)					
Waste name/category NA			quantity NA	1	UOM KL/Anum		
8. Quantity in storage at t	he end of the yea	r					
Waste name/category NA			quantity NA		UOM KL/Anum		

Place MAHAD

Date 2021-06-17 **Designation** SITE MANAGER

Nouryon Chemicals India Private Limited Emergency Drill Report

F-HSE-08

Sr. No.	Check point	Observation
1	Drill No.	2021/Emergency preparedness Drill/01
2	Date of mock drill	27.08.2021
3	Time	19.01 hrs
4	Location	QC Area
5	Description of emergency	While descending the stairs, security guard fall down from stairs and suffered injury.
6	First observer of Incidence	HSES Manager
7	Emergency siren raised at	19.04 hrs
8	All clear siren raised at	19.24 hrs
9	Chief incident controller reporting time	Drill conducted during silent hours
10	Site controller name Reporting time	Site controller was present and acting as an Observer
11	Incident controllers name	Akshay Atule and S D Patil
12	Emergency control room coordinator	D K Page and N D Tembe
	Reporting time	19.06 Hrs
13	Assembly point 1, in charge	QC Chemist was available at main gate
14	Assembly point 2, in charge	Security Supervisor, Kailas Atak
15	Emergency team members	Production operator, Mechanical fitter, Stores loading team
16	First aider	Rushikesh Gaikawad
17	Duties performed by the security in charge	Closed the main security gate & locked Small gate.
		 Arranged personnel of Assembly point in rows and checked head count.
		Locked incoming phone calls.
18	Details of Emergency actions	 HSES Manager given information to Shift supervisor about fall of security guard from stairs.
		 Incident Controller visited location and asked to raise the Emergency. Emergency siren raised to speed up the emergency response plan.
		Production operator reached at location with stretcher.
		The first aider checked Airway, Breathing and Circulation (ABC) of casualty and affected body part.
		• With due care casualty shifted at OHC

		for first aid with the help of stretcher.
		 Incident controller asked to Emergency control room coordinator for Emergency vehicle.
		The Emergency vehicle arrived at OHC and the casualty shifted to MMA Hospital for further medical treatment
19	Whether head count was tallied with gate entries?	Head count matched
20	Was external help was called? Give • Not asked for external help. details?	
21	Positive observations during the emergency	
	The production supervisor and operators were available for help at location.	
	All contract workers assembled at Assembly point 1 & 2.	
	 All the site key personnel shifted there walky talky sets on channel No. 1 and effective communication was there. 	
	• Expected actions as per site emergency plans were taken by key personnel.	
	The information of Emergency immediately given to Chief Incident Controller	
	Emergency evacuation route checked for emergency exit.	
	Given Information of Emergency drill to Dy.DISH and explained him about	
	emergency scenario and Emergency actions taken.	
	Given information to Fire office about Emergency.	
	Communicated Emergency with MMA Hospital.	
22	2 Improvement areas noticed with respective to the plan	
	Repeater Siren of office area not worked	
	 Use of walky talky be Electrician and fitter was missing 	
	Assembly point 2 Incharge was available at Main gate	
	 Operation of walky talky is not upto the mark. 	
	To check operation of Automated gate.	
	MMA Hospital landline number not in operation.	
	Check for incoming call after locking the calls.	
	To ensure ready availability of Emergency contact number.	
	Checking of outgoing Emergency vehicle at main gate during Emergency.	
	 To discuss the observations in Site management Team meeting to check possible improvement actions. 	
22	Action plan for improvement	
23	Action plan will be done during HSES committee meeting	

Amit Salagare Chief incident controller Sanjay Salunke Observer Vinayak Angal Site controller

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



Schematic Representation of organizational structure of Environment Management






Pict No. A-85, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India © : (91-22) 2563 3321 / 2583 3322 / 2583 3323 / 2583 3324 + E-mail : prs@sadekarenviro.com / psadekar5@gmail.com



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		ANALYSIS T	EST REPORT	50.00				
Report No	SEETL2100	02273		Report Date	30/09/2021			
Name of Client	M/s. Noury	on Chemical	s India Pvt L	td.				
Address of Client	Plot No. E-1	18/19/20, 61	(Part), MIDC	Mahad, Dist-Raigad	402302, Mahar	ashtra.		
Order / Reference	PO No. 420	0115141, Da	ted-08.02.20	21				
Date Of Sampling	23/09/2023	1	Sam	ple Receipt Date	24/09/2021			
Analysis Started on	25/09/202	1	Ana	lysis Completed On	30/09/2021			
ULR No	TC-951621	00000680F	and the second second					
Sample Collected By	SEETL Repr	esentative						
Sampling Plan	SEETL/LD/F-	03	Sam	pling SOP No.	SEETL/LD/SOP/	AA-32		
Environmental Condition of La	b		Ten	operature(°C) 25	Humidity (%)	57		
control of the control of the	0	ANADIENTA	ID STATION	iperature(c)[25	Harrindicy (20)	21		
Location of HVS	Near Chan	AMBIENT A	INSTATION					
Lateral Distance	5.0 Meter F	From Changin	e Room					
Receptor Distance	1.5 Meters	1.5 Meters From Ground Level						
Ambient Temperature (°C)	31 Humidity (%) 79							
Wind Speed (km/hr)	09 Wind			d Direction (dea ⁰)	SW 292			
Instruments Used	R D S (APM, 460) E P S (APM - 550) & G P S (APM - 411)							
	P	OLLUTIONAL	PARAMETE	RS	/			
Desembles	Perula	Halta	NAAQS		March and			
Parameters	Result	Units	Limits		method			
PM ₁₀	60	µg/m³	100.00	IS 5182(Part 23)	3)2006RA: 2017			
PM _{2.5}	23	µg/m³	60.00	EPA Quality assu 2.12, based on C	PCB- 2011: 2017	document		
5O2	18	µg/m³	80.00	IS 5182(Part 2):	2001 RA: 2017			
NOx	24	µg/m³	80.00	IS 5182 (Part 6):	2006 RA: 2017			
Ammonia (NH ₃)	<20	µg/m³	400.00	CPCB Guidelines Ambient Air Poli	For Measureme utants Volume-I	nt Of .2011		
со	0.97	mg/m ³	04.00	IS 5182 (Part 10	: 1999 RA 2019			
Lead as Pb	<0.1	µg/m ³	01.00	EPA compendiu	m method IO 3.5	: 2012		
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00	IS 5182 (Part 11	:2006 RA 2017			
Arsenic(As)	<5	ng/m ³	6.00	EPA compendiu	m method IO 3.5	: 2012		
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendiu	m method IO 3.5	: 2012		
Ozone (O ₃)	15	µg/m ³	180.00	IS 5182 (Part 9):	1974 RA: 2019			
Benzo(a)Pyrene	<0.1	ng/m ³	1.00	IS 5182 (Part 12): 2004 RA: 2019				

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

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

- 3) PM10-Particulate Matter of size < 10 µm
- 4) PM_{2.5} Particulate Matter of size < 2.5 μm
- 5) NAAQS-National Ambient Air Quality Standards



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Trupti Mayekar

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		ANALYSIS T	EST REPOR	श				
Report No	SEETL2100	02274	F	Report Date	30/09/2021			
Name of Client	M/s. Nour	von Chemical	s India Pvi	Ltd.				
Address of Client	Plot No. E-	18/19/20, 61	(Part), MIC	C Mahad, Dist-Raiga	d. 402302, Maharas	shtra.		
Order / Reference	PO No. 42	00115141, Da	ted-08.02	2021				
Date Of Sampling	23/09/202	1	5	ample Receipt Date	24/09/2021			
Analysis Started on	25/09/202	1	. /	Analysis Completed O	n 30/09/2021			
ULR No	TC-95162	100000681F	2					
Sample Collected By	SEETL Rep	resentative						
Sampling Plan	SEETL/LD/F	-03	5	ampling SOP No.	SEETL/LD/SOP/	AA-32		
Environmental Condition of La	b Te			Temperature(°C) 25	Humidity (%)	57		
		AMBIENT A	IR STATIO	N	- Laurence and a state of the			
Location of H.V.S.	Near Tyte	5						
Lateral Distance	5.0 Meter	From Tyte-5						
Receptor Distance	1.5 Meters	From Ground	d Level					
Ambient Temperature (°C)	31	31 Humidity (%) 79						
Wind Speed (km/hr)	09		SW,292					
Instruments Used	R.D.S.(APN	A- 460), F.P.S.	(APM - 55	0) & G.P.S.(APM - 41	1)			
	1	POLLUTIONAL	PARAME	TERS				
Parameters	Result	Units	NAAC	λ25 S	Method			
PM30	58	µg/m ³	100.0	0 IS 5182(Part 23	3)2006RA: 2017			
PM _{2.5}	22	µg/m³	60.00	EPA Quality as 2.12, based on	surance guidance d CPCB- 2011: 2017	ocument		
SO ₂	17	µg/m ³	80.00	IS 5182(Part 2)	: 2001 RA: 2017			
NOx	22	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2017			
Ammonia (NH ₃)	<20	µg/m³	400.0	CPCB Guidelin Ambient Air Po	es For Measuremer ollutants Volume-I ,	nt Of 2011		
co	0.90	mg/m³	04.00	IS 5182 (Part 1	0) : 1999 RA 2019			
Lead as Pb	<0.1	µg/m³	01.00	EPA compendi	um method IO 3.5:	2012		
Benzene (C ₆ H ₆)	<4	µg/m³	5.00	IS 5182 (Part 1	1) :2006 RA 2017	2010-2010 		
Arsenic(As)	<5	ng/m ³	6.00	EPA compendi	um method IO 3.5:	2012		
Nickel(Ni)	<5	ng/m ³	20.00	EPA compendi	um method IO 3.5:	2012		
Ozone (O3)	15	µg/m³	180.0	0 IS 5182 (Part 9): 1974 RA: 2019			
Benzo(a)Pyrene	<0.1	ng/m ³	1.00	IS 5182 (Part 1	IS 5182 (Part 12): 2004 RA: 2019			

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

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

PM₁₀-Particulate Matter of size < 10 µm

4) PM2.5 - Particulate Matter of size < 2.5 μm

5) NAAQS-National Ambient Air Quality Standards



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		ANALYSIS T	TEST REPO	DRT				
Report No	SEETL210	002275			Report Date		30/09/2021	
Name of Client	M/s. Nou	ryon Chemica	Is India Pv	rt Ltd.				
Address of Client	Plot No. E	-18/19/20, 61	(Part), MI	DC Ma	ahad, Dist-Raig	ad.	102302, Maharas	htra.
Order / Reference	PO No. 42	00115141, Da	ated-08.02	2.2021				
Date Of Sampling	23/09/202	23/09/2021 Sample Receipt Date 24/09/2021						
Analysis Started on	25/09/202	25/09/2021 A				On	30/09/2021	
ULR No	TC-951621	100000682F						
Sample Collected By	SEETL Rep	resentative						
Sampling Plan	SEETL/LD/F	-03		Sampli	ng SOP No.	-	SEETL/LD/SOP/A	A-32
Environmental Condition of La	ib			Temp	erature(°C) 2	5	Humidity (%)	57
		AMBIENT A	AIR STATIC	DN				210
Location of H.V.S.	Near Old E	TP						
Lateral Distance	5.0 Meter I	From Old ETP						
Receptor Distance	1.5 Meters	From Ground	Level			-		
Ambient Temperature (⁰ C)	31			Humid	lity (%)		79	
Wind Speed (km/hr)	09			Wind I	Direction (deg	0)	SW,292	
Instruments Used	R.D.S.(APM	1- 460), F.P.S.(APM - 55	0) & G	.P.S.(APM - 4	11)		
	1	POLLUTIONAL	PARAME	TERS				
Parameters	Result	Units	NAA	QS ts			Method	
PM10	55	µg/m ³	100.0	0	IS 5182(Part 2	23)20	006RA: 2017	
PM _{2.5}	15	µg/m³	60.00	5	EPA Quality at 2.12, based or	ssura n CPi	ince guidance do CB- 2011: 2017	cument
SO ₂	17	µg/m ³	80.00	0	IS 5182(Part 2	:): 20	01 RA: 2017	_
NOx	19	µg/m ³	80.00)	IS 5182 (Part)	6): 20	006 RA: 2017	
Ammonia (NH ₃)	<20	µg/m³	400.0	0	CPCB Guidelin Ambient Air P	nes F	or Measurement ants Volume-L2	0f
co	0.86	mg/m ³	04.00)	IS 5182 (Part)	10):	1999 RA 2019	
Lead as Pb	<0.1	µg/m ³	01.00	5	EPA compend	lum	method IO 3.5: 2	2012
Benzene (C ₆ H ₆)	<4	µg/m ³	5.00		IS 5182 (Part)	11) :	2006 RA 2017	
Arsenic(As)	<5	ng/m ³	6.00		EPA compend	lum	method 10 3.5: 2	2012
Nickel(Ni)	<5	ng/m³	20.00)	EPA compend	lium	method IO 3.5: 2	2012
Ozone (O3)	13	µg/m³	180.0	0	IS 5182 (Part 9	9): 19	974 RA: 2019	
Benzo(a)Pyrene	<0.1	ng/m ³	1.00		IS 5182 (Part 12): 2004 PA: 2010			

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

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

3) PM₁₀-Particulate Matter of size < 10 μm

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

5) NAAQS-National Ambient Air Quality Standards



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		ANALYS	SIS TEST REPORT					
Report Decoding No	SEETL	210002276	Repo	rt Date	3	0/09/2021		
Name of Client	M/s.	M/s. Nouryon Chemicals India Pvt Ltd.						
Address of Client	Plot N	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad, 402302						
Order / Reference	PO No	PO No. 4200115141, Dated-08.02.2021						
Date Of sampling	23/09	/2021	Sample Receipt	Date	2	4/09/2021	-	
Analysis Started on	25/09	/2021	Analysis Comple	ted On	3	0/09/2021		
ULR No.	TC-95	TC-951621000000683F						
Sampling Plan	SEETL/LD/F-03		Sampling SOP N	Sampling SOP No.		SEETL/LD/SOP/AA-32		
Sample Collected By	SEETL	SEETL Representative						
Environmental Condition	of Lab		Temperature[Temperature(°C) 25		Humidity (%)	57	
		DETA	ILS OF STACK				-	
Attached To		Boiler (11 TP	H)	_				
Shape		Round					-	
Diameter (mm)		860		_	_			
Height From Ground Level	(Mtr)	30						
Temperature (⁶ C)	10.0	125						
Velocity of Flue Gases (m/	sec)	5.66		-				
Volume of Flue Gases (m ³ /	/hour)	10250.8						
Type of Fuel		LDO						

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Total Particulate Matter	43	mg/Nm ³	150	IS 11255 (Part 1):1985 RA. 2019
SO2	8.7	Kg/Day	30.20	IS 11255 (Part 2):1985 RA. 2019
NOx	18	mg/Nm ³		IS 11255 (Part 7):2005 RA. 2017

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

100 ma Authorized Signatory

Trupti Mayekar

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Plot No. A-95, Road No. 16, Kisan Neger Roed, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India ② : (91-22) 2583 3321 / 2583 3322 / 2583 3322 / 2583 3323 / 2583 3324 + E-mail : prs@sadekarsnviro.com / psadekars@gmail.com

ANALYSIS TEST REPORT



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Report No	SEETL21	0002277	Report Da	ite	30/09/2021			
Name of Client	M/s. No	ouryon Chemicals Ind	ia Pvt Ltd.					
Address of Client	Plot No.	E-18/19/20, 61 (Part	, MIDC Mahad, Dis	t-Raigad.	402302, Maharash	ntra.		
Order / Reference	PO No.	PO No. 4200115141, Dated-08.02.2021						
Date Of Sampling	23/09/2	021	Sample Receipt	Date	24/09/2021			
Analysis Started on	25/09/2	021	Analysis Comple	ted On	30/09/2021			
ULR No	TC-9516	2100000684F						
Sample Collected By	SEETL R	epresentative						
Sampling Plan	SEETL/L	D/F-03	Sampling SOP No	D .	SEETL/LD/SOP/	AA-32		
Environmental Condition of Lab			Temperature(⁰ C	25	Humidity (%)	57		
		DETAILS OF S	TACK					
Attached To DG Set 500 KV								
Shape		Round						
Diameter (Mtr)	0.15		_					
Height From Ground Level	(Mtr)	10 Mtr						
Temperature (⁰ C)		139						
Velocity of Flue Gases (m/s	ec)	9.30						
Volume of Flue Gases (Nm	/hour)	2367.6				-		
Type of Fuel		HSD				_		
		POLLUTIONAL PAR	AMETERS					
Parameters		Result	Unite		na en ante			
Parameters		DG Set 500 KVA	Units	Method				
Total Particulate Matter		34	and the second			2010		
MPCB Limit for TPM		150.00	mg/Nm*	15 1125	5 (Part 1):1985 RA.	2019		
SO ₂		3.9	KalDau	16 1120	(Pert 3) 1005 04	2010		
MPCB Limit for SO ₂		58.56	Kg/Day	15 1125	5 (Part 2):1985 RA.	2019		
Oxides of Nitrogen (NOx)		26 mg/Nm ³ IS 11255 (Part 7):2005 RA. 20						

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

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LABORATORY

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



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		ANALYSIS TES	T REPORT				
Report No	SEETL2	10002278	Report Da	Report Date			
Name of Client	M/s. No	M/s. Nouryon Chemicals India Pvt Ltd.			17	_	
Address of Client	Plot No	Plot No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.					
Order / Reference	PO No.	4200115141, Dated	F08.02.2021				
Date Of Sampling	23/09/2	2021	Sample Receipt	Date	24/09/2021		
Analysis Started on	25/09/2	2021	Analysis Comple	ted On	30/09/2021	_	
ULR No	TC-951	TC-951621000000685F					
Sample Collected By	SEETL P	SEETL Representative					
Sampling Plan	SEETL/I	.D/F-03	Sampling SOP N	0,	SEETL/LD/SOP	/AA-32	
Environmental Condition of	of Lab		Temperature(°C	25	Humidity (%)	57	
		DETAILS O	F STACK				
Attached To		Diesel Engine-1	(Sprinkler)	Diesel Engine -2 (Hydrant)			
Shape		Round		Round			
Diameter (Mtr)		0.1 Mtr		0.0762	0762 Mtr		
Height From Ground Level	(Mtr)	6.5		6.0	6.0		
Temperature (°C)		165		155			
Velocity of Flue Gases (m/	Velocity of Flue Gases (m/sec) 9.83		9.67				
Volume of Flue Gases (Nm	³ /hour)	277.92		158.82	2		
Type of Fuel		HSD		HSD	SD		

POLLUTIONAL PARAMETERS

Parameters	Re	sult	Units	Method	
	Diesel Engine-1 (Sprinkler)	Diesel Engine -2 (Hydrant)			
Total Particulate Matter	19	18	ma/him ³	IS 11255 (Part 1):1985 RA. 2019	
MPCB Limit for TPM	150.00	150.00	mg/win		
5O2	2.2	2.0	KalDau	IS 11255 (Part 2):1985 RA. 2019	
MPCB Limit for SO ₂	10.56	8.64	Kg/Day		
Oxides of Nitrogen (NOx)	19	18	mg/Nm ³	IS 11255 (Part 7):2005 RA. 2017	

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

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 654. Maharashtra State, India. Ø : (91-22) 2583 3321 / 2583 3322 / 2583 3322 / 2583 3323 / 2583 3324 * E-mail : pra@sadekarenviro.com / psadekar5@gmail.com



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Report No	SEET	L210002279		Report Date 30/09/2021					
Name of Client	M/s	Nourvon Chemica	ls India P	a Pvt Ltd.					
Address of Client	Plot	No. E-18/19/20. 61	(Part), M	IDC Mahad	Dist-Ra	iead A	02302 Maharachtra		
Order / Reference	POM	lo. 4200115141, Da	ted-08.0	2.2021	1 10124-110	Ban. 4	ozooz, manarasticia	h	
Date Of Sampling	23/0	9/2021	1	Sample Re	ceint Dat	te	24/09/2021	_	
Analysis Started on	25/0	9/2021		Analysis Co	moleter	10n	30/09/2021		
ULR No	TC-9	5162100000686F		r analysis ex	mpiccee	- On	30/03/2021		
Sample Collected By	SEET	L Representative							
Sampling Plan	SEET	L/LD/F-03		Sampling S	OP No	6	EETI /I D/SOB/AA 33		
Environmental Condition of Lab				Tomporal	0, 140.	25	Livestate IN	Lini	
		DETAIL	OFSTA	remperat	ures cj	25	Humidity (%)	57	
Attached To		Scrubber (Producti	on Plant		C				
Shape		Round	on Planty		Scrub	ber (N	lew ETP)	_	
Diameter (Mtr)		0.5			Round	ound			
Height From Ground Le	vel (Mtr)	16		_	16	16			
Temperature (°C)		38	_		24			_	
Velocity of Flue Gases (m/sec)	3.37			34				
Volume of Flue Gases (1	e of Flue Gases (Nm ³ /hour) 2380.8				3.40			_	
		POLILITIONA		AFTERS					
		POLLOHIONA	C PARAIN	ILIERS					
12000000000		Results							
Parameters	Scrubber (Productio Plant)	n Scrubber (New ETP)	Units	Limi	t	Method			
Ammonia (NH3)	<5	<5	ppm	35	15	1255 ((Part 6):1999 RA:201	19	
SO ₂	<3 <3		ppm	50	15 1	IS 11255 (Part 1) : 1985 - 2010			
NOTE: 1) The above r 2) The above re	esults relate on esults relate on	ly to the condition ly to the item teste	prevailinį d.	g at the tim	e of Sam	pling.	(of \$ 4) , 1969 , 2019		

gna Authorized Signatory Trupti Mayekar

ALC: NO

Format No. SEETL/LD/F-72

Revieweed by . Adume

BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India 🛈 : (0832) 2437046 / 2437164 E-mail : sadekarenviro@redifimail.com • Website : www.sadekarenviro.com

LABORATORY : 8-306/307, Plot No. 81, Patel Estate, Reis Magoti, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaj-Goa-403 101. Goa State, India (2) : (0832) 2411322 / 23 * E-mail : starlabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116379



Plot No. A-85, Road No. 16, Klean Nagar Road, M.I.D.C. Wegle Industrial Area, Thane - 400 604. Maharashtra State, India ②: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : pra@uadekarenviro.com / peadekar5@gmail.com

SAVE WATER SRVE 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

Report No 1	SEETL210002279	Re	port Date		30/09/2021			
Name of Client	M/s. Nouryon Chemicals	s India Pvt Ltd.						
Address of Client	Plot No. E-18/19/20, 61	No. E-18/19/20, 61 (Part), MIDC Mahad, Dist-Raigad. 402302, Maharashtra.						
Order / Reference	PO No. 4200115141, Dat	ed-08.02.2021						
Date Of Sampling	23/09/2021	Sample F	leceipt Dat	te	24/09/2021			
Analysis Started on	25/09/2021	Analysis	Completed	d On	30/09/2021			
Sample Collected By	SEETL Representative				the second in second	_		
Sampling Plan	SEETL/LD/F-03	Sampling	Sampling SOP No.		SEETL/LD/SOP/AA-32			
Environmental Condition of Lab		Tempe	Temperature(°C) 25		Humidity (%)	57		
	DETAILS	OF STACK		-				
Attached To	Scrubber (Production	on Plant)	Scrubber (New ETP)					
Shape	Round		Round					
Diameter (Mtr)	0.5		0.12					
Height From Ground Level (Mtr)	16		16					
Temperature (°C)	29		25					
Velocity of Flue Gases (m/sec)	3.37	3.37 3				_		
Volume of Flue Gases (Nm ³ /hour	2380.8	2380.8			140.7			

POLLUTIONAL PARAMETERS

	Res		МРСВ			
Parameters	Scrubber (Production Plant)	Scrubber (New ETP)	Units	Limit	Method	
Acid Mist	11	12	mg/Nm ³	35.0	Lab SOP No. SEETL/LD/SOP/AA-31	

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



Authorized Signatory Nilesh Naik

paviend by.

Format No. SEETL/LD/F-72

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LABORATORY 1 B-305/307, Plot No. 61, Patel Estate, Rels Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. (): (0832) 2411322 / 23 * E-mail: starlabgoa@redifmail.com * CIN No. U45205MH1998PTC-116379



ENVIRONMENTAL MONITORING

FOOD & MICROBIOLOGICAL TESTING

TEXTILE TESTING

- **# ELEMENTAL ANALYSIS**
- **= TURNKEY, ENVIRONMENT CONSULTANCY**

ULR NO: TC05150210000001154F

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

M/s. Nouryon Chemicals India Pvt. Ltd.

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

Mahad, Dist.- Raigad, Maharashtra, INDIA

SAMPLE TYPE:

SAMPLE REGISTRATION NO.: WW(21-22-0195)SAMPLING PLAN& METHOD NO.:IS 3025 Part 1:1987 RA 2019SAMPLING DATE: 25/05/2021SAMPLE RECEIPT DATE: 26/05/2021ANALYSIS START DATE: 26/05/2021ANALYSIS COMPLETE DATE: 31/05/2021

 REPORT NO
 :SAL/FM/61/NCIM/WW(21-22-0196)

 REPORT DATE
 :31/05/2021

 CUSTOMER REF
 :4200112043

 REF DATE
 :23/01/2021

EFFLUENT WATER ANALYSIS

LOCATION : ETP Outlet

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB SAMPLE QUANTITY :2 Ltrs

Sr. No.	Test Parameter	Unit	Result	Limit [#]	Reference Method
1	рН	•	6.75	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	30	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/1	1455	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	149	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	45	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO4	mg/L	323	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	332	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	1.25	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.01	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	<0.1	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003

": As per MPCB Consent

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

Verified by

Mrs.Trupti Kolhe Chemist



For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare

Authorized Signatory

END OF REPORT

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

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

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



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SKYLAB ANALYTICAL LABORATORY

ENVIRONMENTAL MONITORING

- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- . ELEMENTAL ANALYSIS
- **TURNKEY, ENVIRONMENT CONSULTANCY**

TEST REPORT

<u>NAME &</u>	ADDRESS OF CUSTOMER:		REPORT N	O :SAL/FM/6	1/NCIM/WW(21-22-0196)	
M/s. No	uryon Chemicals India Pvt. Ltd.		REPORT D	ATE : 29/05/20)21	
Plot E- 1	lot E- 18,19,20 & C-61(Part) CUSTOMER REF :4200112043					
Mahad, Dist Raigad, REF DATE : 23/01/202				2021		
Maharas	shtra, INDIA					
SAMPL	E TYPE:		EFFLUE	NT WATER A	NALYSIS	
SAMPLE	REGISTRATION NO. : WW(21-22-01	96)	LOCATION	: ETP	Outlet	
SAMPLIN	IG PLAN& METHOD NO.: IS 3025 Part 1:	1987 RA 2019	SAMPLE SP	ECIFICATION: Wa	ste Water	
SAMPLIN	NG DATE : 25/05/2021		SAMDIS CO		AB	
SAMPLE	S START DATE :20/05/2021		SAMPLE O	UANTITY :2 Lt	TS	
ANALYSI	S COMPLETE DATE : 30/05/2021					
Sr.	Test Parameter	Unit	Result	Limit"	Reference Method	
1	Bioassay Test	%	93	90% survival		
_				of fish after	APHA 23rd Ed. 3112 B	
				100% effluent		
2	Percent Sodium	%	0.031	60	IS 3025 (Part 45), RA 2014: 1993	
". Ac por b	MBCB Coorent					
. As per t	WIFCD CONSERC			- 14		
Opinion/	Observation: Analyzed parameters in ab	ove tested sompl	e are within lin	nit as per specifiea si	tondara.	
Verifie	ed by			For SKYL4	AB ANALY IICAL LABORATORY	
		2 nalylic	81		The	
- 177	I N C	MID	1:-11		T.	
-4	10 mon	X NO.	[]욹]		Mr. S. P. Pancara	
Mrs.Trupti Kolhe			1.511		With a b. Fallsale	
Chen	nist	827311	*/		Autorized Signatory	
		END OI	REPORT			

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- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC051502100000001434F

TEST REPORT

NAM	E & ADDRESS OF CUSTOMER:		REPORT N	O : SAL	/FM/61/NCIM/WW(21-22-0245)	
M/s. Nouryon Chemicals India Pvt. Ltd. Plot E- 18,19,20 & C-61(Part)			REPORT D	ATE : 19/0	06/2021	
			CUSTOMER REF : 4200112043			
Maha	ad, Dist Raigad		REF DATE	: 23/	01/2021	
Maha	arashtra, INDIA					
SAM	PLE TYPE:		EFFLUEN		ANALYSIS	
SAMP	LE REGISTRATION NO. : WW(21-22-0245)	LOCATION	:	ETP Outlet	
SAMPLING PLAN& METHOD NO.:IS 3025 Part 1:1987 RA 2019 SAMPLING DATE :12/06/2021			SAMPLE SPECIFICATION: Waste Water			
SAMP	LE RECEIPT DATE :12/06/2021		SAMPLE CO	LLECTED BY:	SKYLAB	
ANAL	YSIS START DATE : 14/06/2021		SAMPLE QU	JANTITY	:2 Ltrs	
ANAL	YSIS COMPLETE DATE : 19/06/2021					
Sr. No.	Test Parameter	Unit	Result	Limit#	Reference Method	
1	На	-	6.79	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983	
2	Total suspended solids	mg/L	91	100	IS 3025 (Part 17), RA Aug 2017: 1984	
3	Total dissolved solids	mg/L	2045	2100	IS 3025 (Part 16), RA Aug 2017: 1984	
4	Chemical Oxygen Demand (COD)	mg/L	214	250	IS 3025 (Part 58), RA Aug 2017: 2006	
5	Biochemical Oxygen Demand (BOD)	mg/L	60	100	IS 3025 (Part 44), RA 2014: 1993	
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991	
7	Sulphate, SO4	mg/L	102	1000	IS 3025 (Part 24), RA 2014: 1986	
8	Chloride	mg/L	566	600	IS 3025 (Part 32), RA 2014: 1988	
9	Ammonical Nitrogen	mg/L	0.25	50	IS 3025 (Part 34), RA 2014: 1988	
10	Phenolic compounds	mg/L	0.012	5.0	IS 3025 (Part 43), RA 2014: 1992	
11	Phosphate (total)	mg/L	0.19	5	IS 3025 (Part 31), RA 2014: 1988	
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986	
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003	

*: As per MPCB Consent

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

Verified by

Mrs.Trupti Kolhe Chemist

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

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For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare

Authorized Signatory





ENVIRONMENTAL MONITORING

: SAL/FM/61/NCIM/WW(21-22-0245)

- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

TEST REPORT

REPORT NO

REPORT DATE

NAME & ADDRESS OF CUSTOMER:

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

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(21-22-0245) SAMPLING PLAN& METHOD NO.: IS 3025 Part 1:1987 RA 2019 SAMPLING DATE :12/06/2021 SAMPLE RECEIPT DATE :12/06/2021 ANALYSIS START DATE :14/06/2021 ANALYSIS COMPLETE DATE : 19/06/2021

CUSTOMER REF : 4200112043 REF DATE :23/01/2021

: 19/06/2021

EFFLUENT WATER ANALYSIS LOCATION

: ETP Outlet

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB SAMPLE QUANTITY :2 Ltrs

No.	Test Parameter	Unit	Result	Llmit [#]	Reference Method
	Bioassay Test	%	94	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed 3112 B
2	Percent Sodium	%	0.015	60	JS 3025 (Part 45), RA 2014: 1993

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

Verified by

Mrs.Trupti Kolhe

Chemist

v ica, M.LD KON

For SKYLAB ANALYTICAL LABORATORY

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

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SKYLAB ANALYTICAL LABORATORY

ENVIRONMENTAL MONITORING

- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- = ELEMENTAL ANALYSIS
- *** TURNKEY, ENVIRONMENT CONSULTANCY**

		JEST RE	PORI		
NAME & ADDRESS OF CUSTOMER:REPORT NOM/s. Nouryon Chemicals India Pvt. Ltd.REPORT DATEPlot E- 18,19,20 & C-61(Part)CUSTOMER REFMahad, Dist Raigad,REF DATEMaharashtra, INDIAEFFLUENT WSAMPLE TYPE:EFFLUENT WSAMPLE REGISTRATION NO.: WW(21-22-0484A)SAMPLING PLAN& METHOD NO.:IS 3025 Part 1:1987 RA 2019SAMPLING DATE: 31/07/2021SAMPLE RECIPT DATE: 31/07/2021SAMPLE RECIPT DATE: 02/08/2021SAMPLE START DATE: 02/08/2021SAMPLE GULATE: 02/08/2021					/61/NCIL/WW(21-22-0484A) 021 2043 021 NALYSIS Outlet Ite Water AB
ANAL	YSIS COMPLETE DATE : 06/08/2021				·····
No.	Test Parameter	Unit	Result	Limit"	Reference Method
1	рН	- G	7.61	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
2	Total suspended solids	mg/L	38	100	IS 3025 (Part 17), RA Aug 2017: 1984
3	Total dissolved solids	mg/L	1705	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	63	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	20	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO4	mg/L	16	1000	IS 3025 (Part 24), RA 2014: 1986
8	Chloride	mg/L	377	600	IS 3025 (Part 32), RA 2014: 1988
9	Ammonical Nitrogen	mg/L	0.9	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	0.78	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003
14	Bioassay Test	%	93	90% survival of fish after 96 hours in 100% effluent	APHA 23rd Ed. 3112 B
15	Percent Sodium	%	<0.01	60	IS 3025 (Part 45), RA 2014: 1993

": As per MPCB Consent

Opinion/Observation: Analyzed parameters in above to ted sample are within lunit or ar specified standard

Verified by a. M. LD. Mb Mr. Atul Shahane Chemist

For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansare

Authorized Signatory

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ENVIRONMENTAL MONITORING

- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

ULR NO: TC0515021000003630F

NAME & ADDRESS OF CUSTOMER:

TEST REPORT

NAM	IE & ADDRESS OF CUSTOMER:		REPORT N		M/61/NOU hanalos an oran
M/s	Nouryon Chemicals India Pvt. Ltd.		REPORT D	ATE :30/0	R/2021
Plot	Plot E- 18,19,20 & C-61(Part)			R RFF -420	01120/2
Mah	ad, Dist Raigad,		REF DATE	+ 23/	01/2021
Mah	arashtra, INDIA			• ~ 27	01/2021
SAIV	IPLE TYPE:		FEELLEN	T MAATER	
SAMI	PLE REGISTRATION NO. : WW(21-22-0581	1	LIPEUCE	VIVALE	ANALYSIS
SAM	PLING PLAN& METHOD NO.: IS 3025 Part 1:19	7 87 RA 2010	LOCATION	:	ETP Outlet
SAM	PLING DATE : 25/08/2021	07 1012015	SAMPLE SP	ECIFICATION:	Waste Water
SAME	PLE RECEIPT DATE :26/08/2021		SAMPLE CO	LLECTED BY:	SKYLAR
ANAL	YSIS START DATE : 26/08/2021		SAMPLE QU	ANTITY	2 ltrs
ANAL	YSIS COMPLETE DATE :30/08/2021				
Sr.	Test Parameter	Unit	Result	Limit [#]	Poferone Mathe
1	pH		7 41		Reference Method
2	Total suspended solids		7.15	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983
	Total disselved cell is	mg/L		100	IS 3025 (Part 17), RA Aug 2017: 1984
		mg/L	1326	2100	IS 3025 (Part 16), RA Aug 2017: 1984
4	Chemical Oxygen Demand (COD)	mg/L	149	250	IS 3025 (Part 58), RA Aug 2017: 2006
5	Biochemical Oxygen Demand (BOD)	mg/L	37	100	IS 3025 (Part 44), RA 2014: 1993
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991
7	Sulphate, SO4	mg/L	56.03	1000	IS 3025 (Part 24), RA 2014: 1986
5	Chloride	mg/L	364	600	IS 3025 (Part 32), RA 2014: 1988
A	Ammonical Nitrogen	mg/L	0.15	50	IS 3025 (Part 34), RA 2014: 1988
10	Phenolic compounds	mg/L	<0.001	5.0	IS 3025 (Part 43), RA 2014: 1992
11	Phosphate (total)	mg/L	1.10	5	IS 3025 (Part 31), RA 2014: 1988
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986

mg/L

": As per MPCB Consent

Metal-Chromium

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

Verified by

13

hr. Atul Shahane Chemist



< 0.05

Mr. S. B. Pansare Authorized Signatory

For SKYLAB ANALYTICAL LABORATORY

IS 3025 (Part 52), RA 2014: 2003

Page 1 of 2

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Mob. No. - 9820386785 / 9867577309 - 312 / 8422929165. Ph. No. - 02522297784 / 85 Email - mails@skylabenviro.com Website - www.skylabenviro.com



ENVIRONMENTAL MONITORING

- FOOD & MICROBIOLOGICAL TESTING
- **TEXTILE TESTING**
- **# ELEMENTAL ANALYSIS**
- TURNKEY, ENVIRONMENT CONSULTANCY

TEST REPORT

NAME & ADDRESS OF CUSTOMER:

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

SAMPLE TYPE:

SAMPLE REGISTRATION NO. : WW(21-22-0581) SAMPLING PLAN& METHOD NO.: IS 3025 Part 1:1987 RA 2019 SAMPLING DATE :25/08/2021 SAMPLE RECEIPT DATE :26/08/2021 ANALYSIS START DATE :26/08/2021 ANALYSIS COMPLETE DATE :30/08/2021

REPORT NO :SAL/FM/61/NCIM/WW(21-22-0581) REPORT DATE :30/08/2021 CUSTOMER REF :4200112043 **REF DATE** :23/01/2021

EFFLUENT WATER ANALYSIS LOCATION

: ETP Outlet

For SKYLAB ANALYTICAL LABORATORY

Mr. S. B. Pansar

Authorized Signatory

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB SAMPLE QUANTITY :2 Ltrs

No.	Test Parameter	Unit	Result	Limit"	Reference Method
L L	Bioassay Test	%	93	90% survival of fish after 96 hours in	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	0.013	100% efficient 60	IS 3025 (Part 45), RA 2014: 1993

As per MPC8 Consent

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

Verified by Mr. Atul Shahane

Chemist

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END OF REPORT

1. This report reflects findings only for the above sample tested/monitored and only for time and place of monitoring/testing.

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Page Z of 2

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ENVIRONMENTAL MONITORING

- * FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
 ELEMENTAL ANALYSIS
- **TURNKEY, ENVIRONMENT CONSULTANCY**

ULR NO: TC05150210000004375F

TEST REPORT

<u>NAN</u> M/s. Plot Mahi Mahi	IE & ADDRESS OF CUSTOMER: Nouryon Chemicals India Pvt. Ltd. E- 18,19,20 & C-61(Part) ad, Dist Raigad, arashtra, INDIA		REPORT N REPORT D CUSTOME REF DATE	O : SAL ATE : 02/2 R REF : 420 : 23/0	/FM/61/NCIL/WW{21-22-0718} 10/2021 00112043 01/2021		
SAMPLE TYPE: SAMPLE REGISTRATION NO. : WW(21-22-0718) SAMPLING PLAN& METHOD NO.: IS 3025 Part 1:1987 RA 2019			EFFLUENT WATER ANALYSIS LOCATION : ETP Outlet				
SAME	PLE RECEIPT DATE : 24/09/2021 YSIS START DATE : 24/09/2021 YSIS COMPLETE DATE : 02/10/2021		SAMPLE CO SAMPLE QU	LLECTED BY: JANTITY	SKYLAB :2 Ltrs		
Sr. No.	Test Parameter	Unit	Result	Limit"	Reference Method		
1	pH		6.93	6.5-8.5	IS 3025 (Part 11), RA Aug 2017: 1983		
2	Total suspended solids	mg/L	26	100	IS 3025 (Part 17), RA Aug 2017: 1984		
3	Total dissolved solids	mg/L	1568	2100	IS 3025 (Part 16), RA Aug 2017: 1984		
4	Chemical Oxygen Domand (COD)	mg/L	44	250	IS 3025 (Part 58), RA Aug 2017: 2006		
5	Biochemical Oxygen Demand (BOD)	mg/L	12	100	IS 3025 (Part 44), RA 2014: 1993		
6	Oil & Grease	mg/L	<5	10	IS 3025 (Part 39), RA 2014: 1991		
7	Sulphate, SO4	mg/L	10	1000	IS 3025 (Part 24), RA 2014: 1986		
8	Chloride	mg/L	423	600	IS 3025 (Part 32), RA 2014: 1988		
9	Ammonical Nitrogen	mg/L	0.81	50	IS 3025 (Part 34), RA 2014: 1988		
10	Phenolic compounds	mg/L	<0.001	S.0	IS 3025 (Part 43), RA 2014: 1992		
11	Phosphate (total)	mg/L	0.92	5	IS 3025 (Part 31), RA 2014: 1988		
12	Sulphide	mg/L	<0.1	2	IS 3025 (Part 29), RA 2014: 1986		
13	Metal-Chromium	mg/L	<0.05	0.10	IS 3025 (Part 52), RA 2014: 2003		

*: As per MPCB Consent

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

Verified by For SKYLAB ANALYTICAL LABORATORY tic MIDC KON Mr. Atul Shahane Mr. S. B. Pansare Chemist **Authorized Signatory END OF REPORT**

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



ENVIRONMENTAL MONITORING

- FOOD & MICROBIOLOGICAL TESTING
- TEXTILE TESTING
- ELEMENTAL ANALYSIS
- TURNKEY, ENVIRONMENT CONSULTANCY

TEST REPORT

NAME	&	ADD	RESS	OF	<u>cu</u>	<u>IS1</u>	<u>101</u>	NE	<u>R:</u>	
	_							_		

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

SAMPLE TYPE:

SAMPLE REGISTRATION NO.	: WW(21-22-0718)
SAMPLING PLAN& METHOD N	IO.: IS 3025 Part 1:1987 RA 2019
SAMPLING DATE	: 23/09/2021
SAMPLE RECEIPT DATE	: 24/09/2021
ANALYSIS START DATE	:24/09/2021
ANALYSIS COMPLETE DATE	:02/10/2021

: SAL/FM/61/NCIL/WW(21-22-0718) **REPORT NO** :02/10/2021 REPORT DATE CUSTOMER : 4200112043 ; 23/01/2021 **REF DATE**

EFFLUENT: WATER ANALYSIS

: ETP Outlet

SAMPLE SPECIFICATION: Waste Water

SAMPLE COLLECTED BY: SKYLAB SAMPLE QUANTITY :2 Ltrs

AIVALTSIS C	OMPLETE DATE TOE/20/200				
	Test Parameter	Unit	Result	Limit"	Reference Method
1	Bioassay Test	%	92	90% survival cf.fish after 05 hours in 190% offlugat	APHA 23rd Ed. 3112 B
2	Percent Sodium	%	<0.01	60	IS 3025 (Part 45), RA 2014: 1993

LOCATION

*: As per MPCB Consent

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

Verified by **Mr. Atul Shahane**

Chemist

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RON

Mr. S. B. Pansare Authorized Signatory

For SKYLAB ANALYTICAL LABORATORY

END OF REPORT

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Maharashtra Pollution Control Board



महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V (See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2021

Unique Application Number MPCB-ENVIRONMENT_STATEMENT-0000035918

PART A

Company Information

Company Name Nouryon Chemicals India Private Limited

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)

Capital Investment (In lakhs) 7554

Pincode 402302

Telephone Number 9049173399

Region SRO-Mahad

Last Environmental statement submitted online yes

Consent Valid Upto

28.02.2026

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

Submitted Date 20-09-2021

Taluka Mahad

NA

Scale Large

Person Name Sanjay G. Salunke

Application UAN number

Fax Number 9049173399

Industry Category Red

Consent Number

Format 1.0/CC/UAN No. 0000105321/CR2104000614

Establishment Year

1991

Village Khaire

City Mahad

Designation Manager HSE&S

Email sanjay.salunke@nouryon.com

Industry Type R22 Organic Chemicals manufacturing

Consent Issue Date

09.04.2021

Date of last environment statement submitted Sep 10 2020 12:00:00:000AM

Product Information			
Product Name	Consent Quantity	Actual Quantity	UOM
Organic Peroxide(Pure)	3419.52	957	MT/A
Refilling/Blending of Metal Alkyls(Pure)	1701.96	336	MT/A
Sodium Chloride Salt	1296	70.24	MT/A

Consent Quantity

Actual Quantity 0 **UOM** CMD

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3 / 240	'day
Cooling	60	240	
Domestic	10	5	
All others	100	51	
Total	640	325	
	040	525	
2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
Effluent discharged	504	282	CMD
2) Product Wise Process Water Consumption (c	ubic meter of		
process water per unit of product)			
Name of Products (Production)	During the P financial Yea	revious During the current r Financial year	UOM
Organic Peroxide	59.55	59.07	CMD
3) Raw Material Consumption (Consumption of material per unit of product)	raw		
Name of Raw Materials	During the Previou financial Year	s During the current Financial year	UOM
Acid chloride	0.7	0.77	
ТВНР	0.64	0.67	
Chloroformates	0.7	0.69	
Hydrogen peroxide	0.11	0.31	
ТМВН	0.31	0.31	
NaOH	0.46	0.85	
КОН	0.1	0.1	
4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	103	61	
Part-C			
Pollution discharged to environment/unit of ou [A] Water	tput (Parameter as specified in t	he consent issued)	

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
рН	0	7.27	NA	5.5 to 8.5	NA
Total Suspended solids	0	32	NA	100	NA
BOD 3 days 27 Deg C	0	61	NA	100	NA
COD	0	217	NA	250	NA

Oil & grease	0	5	NA	10	NA
Total ammocial nitrogen	0	0.5	NA	50	NA
Total dissolved solids	0	1982	NA	2100	NA
Sulphates	0	443	NA	1000	NA
Sodium	0	0.021	NA	60	NA
Phenolic compound	0	0.001	NA	5	NA
Chromium (Hexavalent)	0	0.05	NA	0.1	NA
Sulphide (as S)	0	0.1	NA	2	NA
Phosphate (as P)	0	0.15	NA	5	NA
Bio assy test	0	93	NA	90 % Survival of fish after 96 hrs in 100% of effluent	NA
Chlorides	0	457	NA	600	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
ТРМ	0	48	NA	150	NA
SO2	0	4.8	NA	50	NA
NOX	0	39	NA	NA	NA

Part-D

HAZARDOUS WASTES			
1) From Process			
Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	

2) From Pollution Control Facilities Total During Previous Financial year Total During Current Financial year Hazardous Waste Type иом 20.2 Spent solvents 1.310 0 MT/A 35.3 Chemical sludge from waste water treatment 2.617 3.08 MT/A 12.2 Spent acid and alkali 2.085 0 33.1 Empty barrels /containers /liners contaminated with hazardous 221 170 Nos./Y chemicals /wastes

Part-E

2) From Pollution Control Fa Non Hazardous Waste Type	ncilities Total During Previous Financial V	year Total During Current Financial year	UOM
Solid waste	96	80.85	MT/A
1) From Process Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	иом
SOLID WASTES			

0

MT/A

3) Quantity Recycled or Re-utilized within the unit			
Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

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

1) Hazardous Waste			
Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
35.3 Chemical sludge from waste water treatment	3.08	MT/A	NA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	170	Nos./Y	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Decontaminated metal drums, Plastic wrappers, scrap	80.85	MT/A	NA

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	0	0	0	398632	0	0

Part-H

Statement		
Detail of measures for Environmental Protection	Environmental Protec Measures	tion Capital Investment (Lacks)
NA	NA	21.6
B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NA	NA	0

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation Sanjay G.Salunke, Manager HSE&S

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000035918

Submitted On:

20-09-2021



Mumbai Waste Management Limited Certificate

M/s. NOURYON CHEMICALS INDIA PVT. LTD. is a registered member of CHW-TSDF at MIDC, Taloja for safe & secure disposal of Hazardous Waste. Membership no.: MWML - HzW ..MHD.: 449!...

This Certificate is valid up to

31st March 2022

Somnath Malgar Director

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Onkar A. Kulkarni Manager - MBD

An ISO 9001:2015, ISO 14001 : 2015 & ISO 45001 : 2018 Certified Company MWML Laboratory is accredited by NABL and Approved by MoEF