

Letter No. Letter . APL - VI / Envi. 36 / 2024

Date: 18/11/2024

To,
Sub Regional office Tarapur –I
MIDC Office compound, Tarapur,
Boisar (W) Tal & Dist. Palghar
401504

Sub: Regarding the Half-Yearly EC Condition compliance report for the period of April - 2024 to Sept -2024.

Ref: Environmental clearance granted vides Clearance No. SEIAA -EC - 0000000258 dated 26.04.2018.

Respected Sir,

In reference to the above mentioned subject, we are enclosing herewith the EC condition compliance Report for the period of April-2024 to September -2024 in respect to the above mentioned reference of Environment clearance for proposed expansion of industrial project at plot No. D 18 MIDC, Tarapur, Dist- Palghar. SEAC-I considered the project under screening category 5(f)-B of EIA Notification 2006.

Yours faithfully



For, Aarti Pharmalabs Limited



Authorized Signatory
(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)

Encl.

1. EC conditions compliance Report.
2. Copy of Environment Clearance
3. Copy of Consent to Operate

CC to:

1. Regional office (WCZ) Ministry of Environment, Forest and Climate Change, Nagpur-440001
2. The Member Secretary, Maharashtra Pollution Control Board , Sion, Mumbai.
3. Regional officer, Maharashtra Pollution Control Board, Thane.

Received
13/11/2024

SUB-REGIONAL OFFICE
MAHARASHTRA POLLUTION CONTROL BOARD
TARAPUR, MIDC. COLONY, BOISAR,
TALUKA & DIST. PALGHAR, PIN 401 504.

AARTI PHARMALABS LIMITED

www.aartipharmalabs.com | CIN : U24100GJ2019PLC110964 | Email : info@aartipharmalabs.com

Factory : Unit - VI, Plot No. D - 18, M.I.D.C., Tarapur, Taluka & District - Palghar, PIN 401 506, Maharashtra, INDIA, T : +91 81490 65128 / 84460 05129
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Regd. Office : Plot No. 22-C/1 & 22-C/2, 1st Phase, G.I.D.C., Vapi 396 195, District - Valsad, Gujarat, INDIA T : +91 260 2400467, +91 99099 94655

**M/s. Aarti Pharmalabs Ltd. (Unit - VI),
Plot no.D 18 MIDC Tarapur.**

Compliance Report of Environmental Clearance File No.SEIAA-EC-0000000258

Report for period of April 2024 To September 2024

Sr. No.	Specific Conditions:	
I	The PP shall submit a detailed DMP with budget	Complied
Sr. No.	General Conditions:	Remark
I	PP to achieve Zero Liquid Discharge ; PP shall ensure that there is an increase in the effluent load to CETP.	The unit had become the Zero liquid discharge unit since 2017. The average daily generation of industrial effluent for the monitoring, water recycles, Being a ZLD unit, no effluent is sent to CETP for disconnection of drainage connection issued by MIDC.
II	The 73 TPH boiler should have a stack height of 68 m and flue gasses shall be passed through an ESP of 99.9% efficiency before being led into the 68 m stack.	Typing error instead of 6 TPH it was typed as 73, & Stack height should be 34 Meter
III	No additional land shall be used/ acquired for any activity of the project without obtaining proper permission.	Followed it.
IV	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	Required PEE like helmet, hand gloves, masks, ear plug, goggles, safety shoes, safety suits are provided to all workers and employees.
V	Proper Housekeeping programmers shall be implemented.	Industries are maintained with good housekeeping and System for segregation of Biodegradable and No biodegradable in separate bins and safe Disposal.

VI	In the event of the failure of any pollution control system adopted by the unit, the unit shall immediately stop the operation and shall not restarted the unit the desired efficiency has been achieved.	Industry has provided an arrangement of Alarm system to the scrubbers to identify the failure of scrubber blower and pump in order.
VII	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutants from DG set .	The unit has DG and is used as stand-by systems. The emission from DG is dispersed through the stack as per CPCB standards. Acoustic enclosures have been provided for the existing DG sets to mitigate the noise pollution. Stacks height provided are as follows. DG Set - 09 meters And online connected with MPCB and CPCB.
VIII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water .	Industry has installed a 10 kl tank for the rain water harvesting facility and water used in the cooling tower.
IX	Arrangement shall be made that effluent and storm water does not get mixed.	Industry has provided arrangement of separate storm pits and pumps.
X	Periodic monitoring of the 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 .	Industry checked ground water and analyzed last groundwater check on 19/10/2020
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.	Required PEE, like ear plugs, are provided to all workers and employees.

XII	The overall noise level in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencer, enclosure, etc. on the sources of noise generation. The Ambient noise shall conform to the standards prescribed under Environment (Protection) Act 1986 Rule 1989.	The unit has been adequate as per MPCB Standard Noise level check regularly quarterly basis from MoEF Lab & in house. Ear plugs are provided to workers and Acoustic enclosures have been provided for DG set.
XIII	Green belt shall be developed and maintained around plant periphery. Green Belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultants with the local DFO/Agriculture Department.	Industry has planted the trees e.g. Ashoka tree, gulmohar tree, palm tree, parizatak tree etc.
XIV	Adequate safety measures shall be provided to limit the risk zone within plant boundary in case of any accident. Leak detection devices shall also be installed at strategic places for early detection and warning.	Industries have identified risk zones and installed sensors at Ammonia, MMA Tank, Hydrocarbon and provided alarm systems.
XV	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per Factories Act.	Occupational health surveillance of the workers is carried out on a half yearly basis and records are maintained as per the factory act. Last medical checkup was done on 30 November 2023.
XVI	The company shall make the arrangement for protection of possible fire hazards during the manufacturing process in material handling.	The unit has provided a fire hydrant system within premises with water storage capacity of 400 m ³ .

XVII	The project authorities must comply with the rules and regulation with regards to handling and disposal of hazardous waste in accordance with the hazardous waste (Management and Handling Rule, 2003 (Amended). Authorization from the MPCB shall be obtained for collection/treatment /storage/disposal of Hazardous wastes.	The unit has obtained the permission from the MPCB No:- Format1.0/CC/UAN No.0000183593/CO/2402000246 Issued on 03.02.2024 valid till 31.12.2024 for collection, storage and disposal of hazardous waste. The solid waste, Incinerable waste is disposed of to CHD-TSDF Taloja and is disposed of by co-processing. Our CHW TSDF membership No.MWML-HzR-TAR-3502.
XVIII	Regular mock drills for the on site emergency management plan shall be carried out . Implementation of changes/ improvement required , if any in on site management plan shall be ensured.	Industries have conducted regular basis mock drills, Last Mock drills done on 12 September 2024.
XIX	A separate environment management cell with qualified staff be set up for implementation of the stipulated environmental safeguards.	Environment Cell / Committee will meet every quarter and will assess / suggest the Improvement on the environment as well as legal conditions of environment and will review the implementation.
XX	Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These costs shall be included as part of the project cost. 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	Industries have installed Online stack monitoring instruments The criteria pollutant levels displayed near the main gate of the company are in the public domain.

XXI	<p>The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at https://ec.maharashtra.gov.</p>	<p>Environmental clearance and copies of clearance letters are available with the Maharashtra Pollution Control Board and may also be seen at the Website at https://ec.maharashtra.gov.</p>
XXII	<p>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.</p>	<p>Half yearly compliance reports Submitted regular basis, last report submit on 30/05/2024</p>
XXIII	<p>A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.</p>	<p>Noted & Agreed.</p>

XXIV	<p>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, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.</p>	<p>Environmental Monitoring is carried out quarterly in a MoEF approved laboratory. The criteria pollutant levels displayed near the main gate of the company are in the public domain.</p>
XXV	<p>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 email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.</p>	<p>Half yearly compliance reports Submitted regular basis, last report submit on 30/05/2024</p>
XXVI	<p>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 email.</p>	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by Pollution Control Board as prescribed under the Environment last environment statement submitted on 30/08/2024</p>



Shri. Santosh N. Mule

Industry Representative

(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)



**M/s. Aarti Pharamalabs Limited. (Unit - VI), Plot no.D 18 MIDC Tarapur
EC Complaine Report period of April 2023 - September 2023
Environmental Clearance File No.SEIAA-EC-0000000258**

Sr. No.	EC General condition Details	Compliance Status												Remarks
		Actual Production Quantity in M.T.												
1	Name of the Project	Proposed Expansion of Synthetic organic chemicals manufacturing unit												Noted and Agreed.
	Type of Institution	Private												
	Name of Project Proponent	M/s. Aarti Pharamalabs Limited (Unit - VI)												
	Name of Consultant	Aditya Environmental Services pvt.ltd												
	New project Expansion in existing project / Modernazation / Diversification in existing project	Expansion in the existing project ()												
	Location details of the project:	Plot No. D - 18 ,, MIDC Tarapur												
	Taluka:	Palghar												
	Village:	Boisar												
	Are of the project:	Tarapur MIDC												
	IOD/IOA/Concession /Plan Approved Number	MIDC plot Approval Approved Buti. Up Area : 8323												
	LOI/NOC/IOD from MHADA/Other approvals	MIDC plot; plan Approval												
Total plot area (sq.m.)	20,000 sq.m													
2	Production Details	Actual Production Quantity in M.T.												
		Consent Limit	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024						
		Sulphuric Acid/Oleum25%/Oleum65%/Liquid SO3 (Sulphuric anhydride)	6000 MT/M	5150	4035	3592	4649	5380	5666					
		Dimethyl Sulphate (DMS)	2500 MT/M	1825	1433	1078	1512	1295	1394					
		Diethyl Sulphate (DES)	700 MT/M	390	397	344	406	381	548					
		Dimethyl Urea (DMU)	600 MT/M	206	168	216	270	300	310					
		Monomethyl Urea (MMU)	100 MT/M	0	0	0	0	0	0					
		Sodium Vanyl Sulphonate (SVS)	300 MT/M	56	62	35	66	79	84	Complied : Production Quantities are within the EC limit				
		Cyano Acitic Acid (CAA)	250 MT/M	0	0	0	0	0	0					
		Cyano Acetyl Methyl Urea (CAMU)	50 MT/M	0	0	0	0	0	0					
		Nitrosourasil	300 MT/M	0	0	0	0	0	0					
		Di Methyl Aniline	518 MT/M	0	0	0	0	0	0					
Captive Power Plant	500 MT/M	0	0	0	0	0	0							
Total Water Requirement:	38502 m3/month	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024							
	1242 m3/day	12210	10790	9469	10845	12030	12250							

3	Fresh water (CMD):662 Source: MIDC, Tarapur.	Water Consumption CMD							Complied: Water consumption Data And as per MIDC Bill.			
	Use of Water:											
	Domestic :- 9 CMD											
	Others (CMD): Industrial: 114 CMD	407.00	348.00	316.00	350.00	388.00	408.00					
	Cooling Water (CMD): 615 CMD Green Belt (CMD): 8 CMD											
4	Rain Water Harvesting	We installed a 10 kl tank for the rain water harvesting facility and water used in the cooling tower.							Complied			
5	Sewage And Waste water	Unit has installed STP (cap 20 m ³ /day) to treat the domestic waste water and reusing for gardening. Through STP 08 m ³ /day water is treated and reused for gardening purposes.							Complied			
6	Solid Waste Management	Actual Waste Generation :										
		Hazardous Waste Disposal	Consent Limit	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024			
		Residue/sludge & filter cake (17.1)	6 MT/A	0.000	0.000	0.000	0.000	0.200	0.180			
		Spent Catalyst (17.2)	0.255 MT/A	0.000	0.000	0.000	0.000	0.000	0.000			
		Spent Carbon (28.3)	25 MT/A	0.170	0.258	0.292	0.115	0.090	1.300			
		Discarded Centrifuge Bags/Filter cloth (33.1)	1 MT/A	0.400	0.000	0.000	0.000	0.000	0.000			
		ETP Sludge (35.3)	100 KG/M	88	95	99	50	48	27			
		Salts of MEE (37.3)	330 MT/A	4.160	4.477	8.843	3.159	3.394	7.535			
		Spent Acid from DMS (28.1)	53 MT/M	33.000	24.000	32.000	31.000	27.000	24.000			
		Spent Acid from DES (28.1)	1199 MT/M	508.000	461.000	432.000	522.000	451.000	629.000			
		Liq Ammonia 20% (28.1)	1305 MT/M	335.000	223.000	359.000	473.000	459.000	530.000			
		Ammonium Sulphate (28.1)	1488 MT/M	0.000	0.000	0.000	14.000	13.000	22.000			
		Sodium Sulphate (28.1)	110 MT/M	30.450	35.400	20.300	31.600	38.850	38.050			
		<p>"The unit has obtained the permission from the MPCB No:- Format 1.0/CC/UAN No.0000183593/CO/2402000246 Issued on 03.02.2024 valid till 31.12.2024</p> <p>for collection, storage and disposal of hazardous waste. The solid waste, Incinerable waste is disposed to CHD-TSDF (Membership MWML-HZW-3502) Talaja and, is disposed co-processing.</p> <p>"The unit has obtained the permission from the MPCB No:- Format 1.0/CC/UAN No.0000183593/CO/2402000246 Issued on 03.02.2024 valid till 31.12.2024 for collection, storage and sale to</p>										

		authorized party pre-processing. (As By Product)											
7	Effluent Charactrestics	Acetic Acid 95% (28.1)	138 MT/M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	As per compliance of ZLD flow meters and camera available and online monitored with MPCB and CPCB. Effluent quality monitoring is done quarterly by MoEF approved laboratory (HORIZON services Analytical Laboratory)." The unit had become the Zero liquid discharge unit since 2017. Being a ZLD unit, no effluent is sent to CETP for disconnection of drainage connection issued by MIDC.	
		Acetic Acid 35% (28.1)	64 MT/M	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
		Parameters	Consent Limit	Unit	April 2024		July 2024						
		pH	5.5-9.0	--	7.25		6.93						
		Total Suspended Solids	<-100	mg/l	59		55						
		Total Dissolves Solids	<_2100	mg/l	1832		1827						
		COD	<_250	mg/l	172		167						
		BOD	<_100	mg/l	65		57						
		Chlorides	<_600	mg/l	62		64						
		Sulphates as SO4	<_1000	mg/l	89		54						
		Oil & Grease	<_10	mg/l	BDL		BDL						
		8	Occupational health surveillance	Occupational health surveillance of the workers is carried out on half yearly basis and records are maintained as per the factory act. Last medical checkup has been done in									
Following check up has been carried in periodical medical checkup.													
- General checkup (height, weight, pulse, BP etc)													
- Blood test (RBC, WBS, hemoglobin, platelets, blood group, differential count etc)													
- Urine test (physical, chemical and microbial examination etc)													
- Vision test													
- Pulmonary function test, etc.													
Details of health surveillance of the workers is given below:													
Date of surveillance			Total number of employees										
30/11/2023			312 Nos										
Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory. Details are given below:													
Sr. No.	Stack Details	Parameter	Stack height(m)	MPCB Standard	April 2024	July 2024							
		SO2		50 mg/Nm3	37.98	45.11							

Sr. No.	Station	Parameter	MPCB Standard $\mu\text{gm}/\text{Nm}^3$	April 2024		July 2024	
				PM 10	PM 2.5	SO2	NOx
1	DG Set: 500 KVA	TPM NOx	4	150 mg/Nm ³ 50 mg/Nm ³	60.35 11.65	52.02 8.25	
2	Scrubber Process Reactor ACID	TPM SO2 NOx Acid mist	45	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³ 90 mg/Nm ³	6.24 24.66 BDL 7.23	8.56 20.13 BDL 5.86	
3	Boiler (6 Ton /hr.)	TPM SO2 NOx	34	150 mg/Nm ³ 600 mg/Nm ³ 50 mg/Nm ³	66.12 49.99 8.23	58.46 46.27 6.76	
4	Stack Thermo Pac (4 Lac Kcal/Hr)	TPM SO2 NOx	22	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	61.65 33.02 40.12	53.13 39.47 33.1	
5	Stack DMS plant (so2 Scrubber)	TPM SO2 NOx	9	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	7.15 26.45 BDL	10.27 30.81 BDL	
6	Stack DES plant (so2 Scrubber)	TPM SO2 NOx	9	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	6.55 19.55 BDL	11.28 26.08 BDL	
7	Stack DMU Plant (NH3 Scrubber)	TPM SO2 NOx	12	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	7.3 29.56 BDL	8.41 26.78 BDL	
8	Ammonium Sulphate	TPM SO2 NOx	12	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	10.36 5.12 BDL	14.64 8.29 BDL	
9	Sodium Vinyl Sulphonate	TPM SO2 NOx	9	150 mg/Nm ³ 50 mg/Nm ³ 50 mg/Nm ³	6.55 19.55 BDL	11.28 26.08 BDL	

Complied .
Gaseous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB.

Ambient Air quality monitoring is carried out at one location each situated in upwind and downwind direction quarterly by MoEF approved laboratory, Analysis report for Ambient Air is attached as Annexure

Complied .
Gaseous emission quality monitoring is

10	Work Zone Ambient Air Quality Monitoring.	2	Near MMA Yard	NOx	80	27.89	24.05
				PM 10	100	65.54	59.16
				PM 2.5	60	30.21	27.03
				SO2	80	15.67	18.38
				NOx	80	42.17	38.22
		3	Near D.G.Set	PM 10	100	59.22	55.89
				PM 2.5	60	18.07	21.67
				SO2	80	10.75	12.56
				NOx	80	28.46	26.7
11	Work Zone Ambient Air Quality Monitoring.	1	In Acid Plant	SPM	N.S.	61.04	57.85
				SO2	<_5000	25.11	21.39
				NOx	<_6000	10.31	7.23
		2	In DMS Plant	SPM	N.S.	38.47	34.14
				SO2	<_5000	22.56	19.81
				NOx	<_6000	13.24	10.16
				DMS	---	BDL	BDL
				Methanol	<_200	3.31	4.85
		3	In DES Plant	SPM	N.S.	35.79	41.59
				SO2	<_5000	18.92	21.05
				NOx	<_6000	16.1	13.44
				Ethanol	<_1000	2.28	1.73
				SPM	N.S.	55.74	49.12
		4	In DMU Plant	SO2	<_5000	14.22	17.56
				NOx	<_6000	BDL	BDL
				Ammonia	<_25	3.43	5.2
		In built Acoustic enclosure, and insulation are provided on all source of noise generation to keep overall noise level within the stipulated standards like DG set. Noise levels monitoring is done every quarterly by MoEF approved laboratory Noise Monitoring reports are given					

Gasous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB.

Complicd .
Gasous emission quality monitoring is done quarterly by MoEF approved laboratory . Online Stack Emission monitoring system available having connectivity with MPCB and CPCB.

Sr.No.	Area	Minimum value	MPCB Standard Limit	Mean value	MPCB Standard Limit	Day Time dB(A)			
						July 2024			
						April 2024	July 2024		
12	Noise Monitoring	1	Near Main Gate	59	75	62.7	75		
		2	Near ETP Area	69.3	75	68.3	75		
		3	Near Boiler House	70.2	75	69.5	75		
		4	Production Hall	72.9	75	70.9	75		
		5	Near D.G. Set	67.7	75	65.2	75		
13	Fuel Consumption :-	Night Time dB(A)							
		1	Near Main Gate	45.7	70	48.1	70		
		2	Near ETP Area	57.3	70	56.9	70		
		3	Near Boiler House	68.2	70	67.6	70		
		4	Production Hall	61.8	70	63.2	70		
14	Energy :- Source of Power supply	5	Near D.G. Set	59.9	70	61.8	70		
		Type of fuel	Limit KG/M	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024
		Coal	864000	155826	290650	230261	313285	156985	111936
		Furnace Oil	15120	10727	9544	8508	10354	9094	9310
		Deisel (HSD)	15120	0.19	0.22	0.27	0.22	0.25	0.24
14	Power requirement	April 2024	May 2024	June 2024	July 2024	August 2024	September 2024		
		730740	708630	810510	1015050	784560	769880		
		226840	180050	0	32120	230800	265460		
14	Air pollution from boiler TFH	Dust collector ,bag filter and Process scrubber							
		Complied. Dust collector ,bag filter, scrubber							
14	Water pollution from process and utilities	ETP Plant, RO unit and MEE unit							
		Complied. The unit had become the Zero liquid discharge unit since 2017.The average daily generation of industrial effluent for the monitoring water recycle,Being a ZLD unit,Unit has installed ETP Plant,RO unit and MEE unit.							

The unit has been adequate as per MPCB Standard Noise level check regularly quarterly basis from MoEP Lab & in house. Ear plugs are provided to workers and Acoustic enclosures have been provided for DG set.

Complied.
As per Consumption register book it is under limit

Complied.
As per Power Consumption Unit or MECB Bill

Complied.
Dust collector ,bag filter, scrubber
The unit had become the Zero liquid discharge unit since 2017.The average daily generation of industrial effluent for the monitoring water recycle,Being a ZLD unit,Unit has installed ETP Plant,RO unit and MEE unit.

15	<p>Details of pollution control system:- Source</p>	<p>Noise pollution</p>	<p>Enclosure / PPE</p>	<p>Complied. Acoustic enclosures have been provided for the DG sets to mitigate the noise pollution and ear plug provided to workers.</p>
16	<p>Storage of Chemicals (inflammable/explosive/hazardous/toxic substance)</p>	<p>Hazardous chemicals shall be stored in tanks, farms, drums, carboys etc. Flame arresters shall be provided on tank farms. Solvent transfer shall be by pumps.</p>	<p>Disposed to CHWTSDF / Recycle (MWML) & Authorized Co-processor</p> <p>All Hazardous chemicals have been stored in the tanks with breather valves and flame arrester and materials transferred through sealed pumps.</p>	<p>Complied. Hazardous waste Disposed to CHWTSDF / Recycle, Hazardous waste Membership Available. Membership No. MWML - HzW-TAR- 3502.</p> <p>Complied.</p>

Shri. Santosh N. Mule
Industry Representative
(Aarti Pharmalabs Ltd. formerly known as Aarti Industries Ltd.)

(Signature)





Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS M/s. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D-18, MIDC Tarapur Boisar. Tal & Dist. Palghar.	REPORT NO	HS/LAB/WA/00301
	REPORT DATE	23/04/2024
	LAB REFERENCE NO.	HS/LAB/WA/0108
	SAMPLING DATE	16/04/2024
	SAMPLE RECEIPT DATE	17/04/2024
	START DATE OF ANALYSIS	17/04/2024
	END DATE OF ANALYSIS	23/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Drinking Water	M/s. Shree Chakrapani Environmental Consultant	---	---

RESULTS OF ANALYSIS

SR. NO.	PARAMETERS	UNIT	RESULTS	LIMITS AS PER IS10500: 2012		TEST METHOD REFERENCE
				Acceptable Limit	Permissible Limit in the absence of alternate source	
01	Colour	Pt/Co	0.09	<5.00	<15	APHA 24 th Ed 2023, 2120C
02	Odour	---	Agreeable	Agreeable	Agreeable	APHA 24 th Ed 2023, 2150B
03	Taste	---	Agreeable	Agreeable	Agreeable	APHA 24 th Ed 2023, 2160B
04	Turbidity	NTU	0.04	<1.00	5.00	APHA 24 th Ed 2023, 2130B
05	pH	---	7.24	6.5-8.5	No relaxation	APHA 24 th Ed 2023, 4500-H*B
06	Total Dissolved Solids	mg/lit	95.00	< 500.00	< 2000.00	APHA 24 th Ed 2023, 2540 C
07	Total Hardness as CaCO ₃	mg/lit	20.00	<200.00	600.00	APHA 24 th Ed 2023, 2340C
08	Iron as Fe	mg/lit	0.08	< 0.30	No relaxation	APHA 24 th Ed 2023, 3500 Fe B
09	Chlorides as Cl ⁻	mg/lit	8.90	< 250.00	< 1000.00	APHA 24 th Ed 2023, 4500 Cl ⁻ B
10	Residual Chlorine as Cl	mg/lit	0.24	>0.20	1.00	APHA 24 th Ed 2023, 4500 Cl ⁻ B
11	Calcium as Ca	mg/lit	5.00	<75.00	200.00	APHA 24 th Ed 2023,3500Ca B
12	Magnesium as Mg	mg/lit	2.00	<30.00	100.00	APHA 24 th Ed 2023,3500Mg B
13	Copper as Cu	mg/lit	NIL	<0.05	1.50	APHA 24 th Ed 2023, 3111 B
14	Manganese as Mn	mg/lit	NIL	<0.10	0.3	APHA 24 th Ed 2023, 3111 B
15	Sulphates as SO ₄	mg/lit	15.00	<200.00	400.00	APHA 24 th Ed 2023, 4500 SO ₄ B
16	Nitrate as NO ₃	mg/lit	NIL	<45.00	No relaxation	APHA 24 th Ed 2023,4500NO ₃ B
17	Fluoride as F ⁻	mg/lit	NIL	<1.00	1.50	APHA 24 th Ed 2023, 4500-F ⁻ D
18	Sulphide	mg/lit	NIL	<0.05	No relaxation	APHA 24 th Ed 2023, 4500-S ²⁻ F
19	Phenolic Compounds as C ₆ H ₅ OH	mg/lit	NIL	<0.001	0.002	APHA 24 th Ed 2023, 5530 D

MOEFCC Certification renewal is under process.



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20	Mercury as Hg	mg/lit	NIL	<0.001	No relaxation	APHA 24 th Ed 2023, 3111 B
21	Cadmium as Cd	mg/lit	NIL	<0.003	No relaxation	APHA 24 th Ed 2023, 3111 B
22	Selenium as Se	mg/lit	NIL	<0.01	No relaxation	APHA 24 th Ed 2023, 3111 B
23	Arsenic as As	mg/lit	NIL	<0.01	0.05	APHA 24 th Ed 2023, 3114 C
24	Cyanide as CN	mg/lit	NIL	<0.05	No relaxation	APHA 24 th Ed 2023, 4500-Cn E
25	Lead as Pb	mg/lit	NIL	<0.01	No relaxation	APHA 24 th Ed 2023, 3111 B
26	Zinc as Zn	mg/lit	NIL	<5.00	15.00	APHA 24 th Ed 2023, 3111 B
27	Anionic detergents (as MBAS)	mg/lit	NIL	<0.20	1.00	APHA 24 th Ed 2023, 5540 C
28	Alkalinity as CaCO ₃	mg/lit	10.00	<200.00	600.00	APHA 24 th Ed 2023, 2320 B
29	Aluminium as Al	mg/lit	NIL	<0.03	0.20	APHA 24 th Ed 2023, 3500 Fe B
30	Polynuclear Aromatic Hydrocarbons as PAH	mg/lit	NIL	<0.0001	No relaxation	APHA 24 th Ed 2023, 6440 C
31	Boron as B	mg/lit	NIL	<0.50	1.00	APHA 24 th Ed 2023,4500-BB
32	Mineral Oil	mg/lit	NIL	<0.50	No relaxation	IS 3025 (P-39), 1991
33	Total Chromium as Cr	mg/lit	NIL	<0.05	No relaxation	APHA 24 th Ed 2023, 3111 B
34	Chloramines as Cl ₂	mg/lit	0.24	<4.00	No relaxation	IS - 3025 (Part 26)*-196 R03
35	Nickel as Ni	mg/lit	NIL	<0.02	No relaxation	APHA 24 th Ed 2023, 3111 B
36	Molybdenum as Mo	mg/lit	NIL	<0.07	No relaxation	APHA 24 th Ed 2023, 3500Mo
37	Barium as Ba	mg/lit	NIL	<0.70	No relaxation	APHA 24 th Ed 2023, 3500 Ba B
38	Silver as Ag	mg/lit	NIL	<0.10	No relaxation	APHA 24 th Ed 2023, 3500 Ag B
39	Polychlorinated biphenyls as PCB	mg/lit	NIL	<0.0005	No relaxation	APHA 24 th Ed 2023, 6431 C
40	Total Ammonia as N	mg/lit	NIL	<0.50	No relaxation	APHA 24 th Ed 2023,4500NH ₃ C
41	Total Coliform	MPN/100ml	ABSENT	< 10.00	---	APHA 24 th Ed 2023, 9221 B
42	Fecal Coliform	Org/100ml	ABSENT	Absent	---	APHA 24 th Ed 2023, 9221 G
43	Trihalomethanes	mg/lit	ABSENT	--	No relaxation	APHA 24 th Ed 2023, 6232 D
44	Bromoform	mg/lit	ABSENT	<0.10	No relaxation	APHA 24 th Ed 2023, 6232 C
45	Dibromochloromethane	mg/lit	ABSENT	<0.10	No relaxation	APHA 24 th Ed 2023, 6232 C
46	Bromodichloromethane	mg/lit	ABSENT	<0.06	No relaxation	APHA 24 th Ed 2023, 6232 C
47	Chloroform	mg/lit	ABSENT	<0.20	No relaxation	APHA 24 th Ed 2023, 6232 C
48	Pesticides	µg/lit	ABSENT	--	No relaxation	APHA 24 th Ed 2023, 6630 D
49	Alachlor	µg/lit	ABSENT	<20.00	No relaxation	USEPA Method 525.2, 507
50	Atrazine	µg/lit	ABSENT	<2.00	No relaxation	USEPA Method 525.2, 8141 A
51	Aldrin/Dieldrin	µg/lit	ABSENT	<0.03	No relaxation	USEPA Method 508
52	Butachlor	µg/lit	ABSENT	<125.00	No relaxation	USEPA Method 525.2, 8141 A
53	Chlorpyrihos	µg/lit	ABSENT	<30.00	No relaxation	USEPA Method 525.2, 8141 A
54	Delta HCH	µg/lit	ABSENT	<0.04	No relaxation	USEPA Method 508
55	2,4 Dichlorophenoxyacetic Acid	µg/lit	ABSENT	<30.00	No relaxation	USEPA Method 515.1
56	DDT	µg/lit	ABSENT	<1.00	No relaxation	USEPA Method 508
57	Endosulfan	µg/lit	ABSENT	<0.40	No relaxation	USEPA Method 508

MOEFCC Certification renewal is under process.



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58	Gamma HCH	µg/lit	ABSENT	<2.00	No relaxation	USEPA Method 508
59	Isoproturon	µg/lit	ABSENT	<9.00	No relaxation	USEPA Method 532
60	Malathion	µg/lit	ABSENT	<190.00	No relaxation	USEPA Method 8141 A
61	Methyl Parathion	µg/lit	ABSENT	<0.30	No relaxation	USEPA Method 8141 A
62	Monocrotophos	µg/lit	ABSENT	<1.00	No relaxation	USEPA Method 8141 A
63	Phorate	µg/lit	ABSENT	<2.00	No relaxation	USEPA Method 8141 A

REMARK: As per IS 10500:2018, above water sample is chemically & bacteriological potable for drinking purpose for the parameters tested.



For **HORIZON SERVICES**

M. N. D. G. D. K. D.
(LAB INCHARGE)



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ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/00299
M/S. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D-18, MIDC Tarapur Boisar. Tal & Dist. Palghar.	DATED	23/04/2024
	LAB REFERENCE NO	HS/LAB/WA/0108
	DATE OF SAMPLING	16/04/2024
	SAMPLE RECEIPT DATE	17/04/2024
	START DATE OF ANALYSIS	17/04/2024
	END DATE OF ANALYSIS	23/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Shree Chakrapani Environmental Consultant.	Treated	ETP

RESULTS OF ANALYSIS

SR. NO	PARAMETERS	UNIT	RESULT	LIMITS	STANDARD METHODS
01	pH	---	7.25	6.0-8.5	APHA 24 th Ed 2023, 4500-H + B
02	Total Suspended Solids	mg/lit	59.00	≤ 100.00	APHA 24 th Ed 2023, 2540-D
03	Total Dissolved Solids	mg/lit	1832.00	≤ 2100.00	APHA 24 th Ed 2023, 2540 C
04	Chemical Oxygen Demand	mg/lit	172.00	≤ 250.00	APHA 24 th Ed 2023, 5220- C
05	BOD 3 days at 27°C	mg/lit	65.00	≤ 100.00	IS 3025 (P 44) RA 2023
06	Chloride as Cl ⁻	mg/lit	62.00	≤ 600.00	APHA 24 th Ed 2023, 4500 Cl B
07	Sulphates as SO ₄ ⁻⁻	mg/lit	89.00	≤ 1000.00	APHA 24 th Ed 2023, 4500 SO4 E
08	Oil & Grease	mg/lit	BDL	≤ 10.00	APHA 24 th Ed 2023, 5520 B
09	Nitrate as NH ₃	mg/lit	0.30	< 50.00	APHA 24 th Ed 2023, 4500 NO ₃ B
10	Phosphate	mg/lit	BDL	< 5.00	APHA 24 th Ed 2023, 4500- P D,

REMARK: 1. All above results are within the limits.
2. BDL: Below Detectable Limit



For HORIZON SERVICES

M. N. Argal
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/00300
M/S. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D-18, MIDC Tarapur Boisar. Tal & Dist. Palghar.	REPORT DATE	23/04/2024
	LAB REFERENCE NO.	HS/LAB/WA/0108
	SAMPLING DATE	16/04/2024
	SAMPLE RECEIPT DATE	17/04/2024
	START DATE OF ANALYSIS	17/04/2024
	END DATE OF ANALYSIS	23/04/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Domestic Waste Water	M/s. Shree Chakrapani Environmental Consultant.	Treated	STP

RESULTS OF ANALYSIS

SR. NO	PARAMETERS	UNIT	RESULT	LIMITS	TEST METHODS
01	pH	---	7.24	6.6 to 8.5	APHA 24 th Ed 2023, 4500-H+B
02	Total Suspended Solids	mg/lit	49.00	< 100.00	APHA 24 th Ed 2023, 2540-D
03	Biochemical Oxygen Demand for 3 days at 27°C	mg/lit	32.00	< 100.00	IS 3025 (P 44) RA 2023

REMARK: All above results are within the Limits.

For HORIZON SERVICES



Manoj Kumar
(LAB INCHARGE)



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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/1
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	16&17/04/2024		
02	TEST LOCATION		Near Main Gate		
03	TIME OF SAMPLING	Hrs	11:10		
04	TEMPERATURE (Max./Min)	Deg C	32/23		
05	RELATIVE HUMIDITY	% RH	62		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	49.23	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	21.56	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	14.97	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	27.89	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.094	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS 5182 (Part 11):2006

MoEFCC certification renewal is under process.



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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)
BDL- Below detectable level



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/2
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	16&17/04/2024		
02	TEST LOCATION		Near D.G. Set		
03	TIME OF SAMPLING	Hrs	11:30		
04	TEMPERATURE (Max./Min)	Deg C	32/23		
05	RELATIVE HUMIDITY	% RH	62		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	59.22	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	18.07	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	10.75	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	28.46	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.072	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS 5182 (Part 11):2006

MoEFCC certification renewal is under process.



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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level



For **HORIZON SERVICES**

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/3
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	16&17/04/2024		
02	TEST LOCATION		Near MMA Yard		
03	TIME OF SAMPLING	Hrs	11:50		
04	TEMPERATURE (Max./Min)	Deg C	32/23		
05	RELATIVE HUMIDITY	% RH	62		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	65.54	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	30.21	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	15.67	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	42.17	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.071	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS 5182 (Part 11):2006

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/4
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		In Acid Plant		
03	Time of Sampling (00.00)	Hrs.	12:10		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	61.04	N.S.	IS 5182 (Part 4): 1999
08	SO ₂	$\mu\text{g}/\text{m}^3$	25.11	≤ 5000	IS 5182(part 2),2001, RA 2006
09	NO ₂	$\mu\text{g}/\text{m}^3$	10.31	≤ 6000	IS 5182(part 6),2006

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/5
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/01/2024		
02	Test Location		In DMS Plant		
03	Time of Sampling (00.00)	Hrs.	12:25		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	38.47	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	22.56	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	13.24	≤ 6000	HS/LAB/NABL/WZ/11
10	Dimethyl Sulphate (DMS)	ppm	BDL (<0.05)	$\leq 0.1^*$	NIOSH METHOD NO. 2524
11	Methanol	ppm	3.31	≤ 200	NIOSH METHOD NO. 2000
12	Dimethyl Ether (DME)	ppm	BDL (<33)	N.S.	NIOSH METHOD NO. 1610

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.
- * Limits are given as per OSHA'S Standard.



For HORIZON SERVICES

MANISHA NARGOLKAR
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/6
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		In DES Plant		
03	Time of Sampling (00.00)	Hrs.	12:40		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	35.79	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	18.92	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	16.10	≤ 6000	HS/LAB/NABL/WZ/11
10	Methanol	ppm	2.28	≤ 200	NIOSH METHOD NO. 2000
11	Ammonia	ppm	3.07	≤ 25	HS/LAB/NABL/WZ/15

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable limits.



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/7
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		In DMU Plant		
03	Time of Sampling (00.00)	Hrs.	12:55		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	55.74	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	14.22	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	BDL (<5)	≤ 6000	HS/LAB/NABL/WZ/11
10	Ammonia	ppm	3.43	≤ 25	HS/LAB/NABL/WZ/15

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

MoEFCC certification renewal is under process.



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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/8
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		Acid Plant At a time Sulphur Charging		
03	Time of Sampling (00.00)	Hrs.	13:10		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	42.32	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	10.08	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	13.30	≤ 6000	HS/LAB/NABL/WZ/11

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/9
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		Sulphur Storage Yard		
03	Time of Sampling (00.00)	Hrs.	13:25		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	41.42	N.S.	HS/LAB/NABL/WZ/10

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



For HORIZON SERVICES

MANISHA NARGOLKAR
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/0253A/10
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	16/04/2024		
02	Test Location		Ammonium Sulphate Plant		
03	Time of Sampling (00.00)	Hrs.	13:40		
04	Temperature (Max./Min)	Deg C	27/22		
05	Relative Humidity	% RH	47		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	30.30	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	21.46	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	18.24	≤ 6000	HS/LAB/NABL/WZ/11
10	Ammonia	ppm	3.80	≤ 25	HS/LAB/NABL/WZ/15
11	Monomethyl Amine	ppm	BDL (<0.1)	$\leq 10^*$	OSHA's Method No. 40

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable limits.
- * Limits are given as per OSHA'S Standard.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

MoEFCC certification renewal is under process.



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/11
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 01 Boiler (6 Tons/hr.)		
03	TIME OF SAMPLING (00.00)	Hrs	14:30		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	Coal		
06	STACK HEIGHT	Mtr	34		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	442		
09	DIFFERENTIAL PRESSURE	MMWC	2.65		
10	VELOCITY	M/Sec	6.63		
11	DIAMETER OF STACK	M	0.80		
12	STACK AREA	M ²	0.5027		
13	GAS VOLUME	Nm ³ /Hr	8089.41		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	66.12	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	49.99	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	9.70	≤ 144	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	8.23	--	IS 11255 part 7:2005, RA 2022

REMARK/OBSERVATIONS

➤ Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0129A/1
Dated	: 24/04/2024
Inward No.	: CH-038
Inward Date	: 17/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 02 Thermo Pac (4 Lac Kcal/Hr.)		
03	TIME OF SAMPLING (00.00)	Hrs	15:00		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	F.O.		
06	STACK HEIGHT	Mtr	22		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	448		
09	DIFFERENTIAL PRESSURE	MMWC	4.10		
10	VELOCITY	M/Sec	8.31		
11	DIAMETER OF STACK	M	0.40		
12	STACK AREA	M ²	0.1256		
13	GAS VOLUME	Nm ³ /Hr	2499.37		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	61.65	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	33.02	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	1.98	≤ 60.5	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	40.12	--	IS 11255 part 7:2005, RA 2022

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/12
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 3 SO ₂ Scrubber (Acid Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	15:30		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	45		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	342		
09	DIFFERENTIAL PRESSURE	MMWC	2.20		
10	VELOCITY	M/Sec	5.32		
11	DIAMETER OF STACK	M	0.85		
12	STACK AREA	M ²	0.5675		
13	GAS VOLUME	Nm ³ /Hr	9470.44		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	6.24	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	24.66	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	5.60	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	7.23	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



For **HORIZON SERVICES**

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/13
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 04 SO ₂ Scrubber (DMS Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	15:40		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	9		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	363		
09	DIFFERENTIAL PRESSURE	MMWC	2.45		
10	VELOCITY	M/Sec	5.78		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	300.62		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	7.15	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	26.45	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.16	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	9.11	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/14
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 05 DES Reactor/SVS Plant		
03	TIME OF SAMPLING (00.00)	Hrs	16:00		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	9		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	344		
09	DIFFERENTIAL PRESSURE	MMWC	2.28		
10	VELOCITY	M/Sec	5.43		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	298.03		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	6.55	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	19.55	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.14	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	3.76	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/15
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 06 NH ₃ Scrubber (DMU Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	16:20		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	12		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	338		
09	DIFFERENTIAL PRESSURE	MMWC	2.6		
10	VELOCITY	M/Sec	5.75		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	316.89		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	7.30	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	29.56	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.22	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	6.45	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/16
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 07 Ammonium Sulphate		
03	TIME OF SAMPLING (00.00)	Hrs	16:30		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	---		
06	STACK HEIGHT	Mtr	12		
07	TYPE OF STACK		ROUND		
08	FLUE GAS TEMPERATURE	Deg K	333		
09	DIFFERENTIAL PRESSURE	MMWC	2.70		
10	VELOCITY	M/Sec	5.81		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	329.49		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	10.36	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	5.12	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.04	< 50.0	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

MoEFCC certification renewal is under process.



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/0130A/1
Dated	: 19/04/2024
Inward No.	: CH-038
Inward Date	: 17/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	TEST METHOD REFERENCE
01	DATE OF SAMPLING	DD/MM/YY	16/04/2024		
02	TEST LOCATION	--	Stack No/ID- 08 D. G. Set (500 KVA)		
03	TIME OF SAMPLING (00.00)	Hrs	16:50		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	HSD		
06	STACK HEIGHT	Mtr	8		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	348		
09	DIFFERENTIAL PRESSURE	MMWC	2.69		
10	VELOCITY	M/Sec	5.93		
11	DIAMETER OF STACK	M	0.25		
12	STACK AREA	M ²	0.0490		
13	GAS VOLUME	Nm ³ /Hr	898.30		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	43.35	< 50.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	37.98	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.81	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	11.65	--	IS 11255 part 7:2005, RA 2022)

REMARK/OBSERVATIONS:

➤ Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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AMBIENT NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/18
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.
Date Of Sampling	: 16/04/24

RESULTS

SR. NO.	DESCRIPTION	UNIT	DAY TIME	NIGHT TIME
			Readings	Readings
01	Near Main Gate	dB (A)	59.0	45.7
02	Near ETP Area	dB (A)	69.3	57.3
03	Near Boiler House	dB (A)	70.2	68.2
04	In Production Hall	dB (A)	72.9	61.8
05	Near D. G. Set	dB (A)	67.7	59.9

REMARK/OBSERVATIONS

Limits:

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.

In Plant ≤90 dB (A)

The Factories Act. 1948, has prescribed Noise Level threshold limit for 8 hours exposure is 90 dB (A).



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****

MoEFCC certification renewal is under process.



Lab Approved by MoEF, New Delhi. (Valid till 05/02/2024)

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D.G. NOISE MONITORING REPORT

Report No.	: HS/REP/24-25/0253A/19
Dated	: 24/04/2024
Inward No.	: CH-112
Inward Date	: 18/04/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.
Date Of Sampling	: 16/04/24

RESULTS

SR. NO.	TEST LOCATION	UNIT	READINGS			STANDARDS
			Door Open	Closed Door	Insertion Loss	
1	D. G. Set (500 KVA)					
A	North Side	dB(A)	100.5	73.7		
B	South Side	dB(A)	103.8	76.7		
C	East Side	dB(A)	99.3	72.7		
D	West Side	dB(A)	98.4	74.4		
	AVERAGE		100.50	74.37	26.13	More than 25



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



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ANALYSIS REPORT

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HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS M/S. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.	REPORT NO	HS/LAB/WA/01843
	REPORT DATE	25/07/2024
	LAB REFERENCE NO.	HS/LAB/WA/0725
	SAMPLING DATE	18/07/2024
	SAMPLE RECEIPT DATE	19/07/2024
	START DATE OF ANALYSIS	19/07/2024
	END DATE OF ANALYSIS	25/07/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Drinking Water	M/s. Shree Chakrapani Environmental Consultant.	---	---

RESULTS OF ANALYSIS

SR. NO.	PARAMETERS	UNIT	RESULT	LIMITS IS10500: 2018	TEST METHOD REFERENCE
1	Colour	---	0.06	< 5.00	APHA 24 th Ed 2023, 2120 C
2	Odour	---	Agreeable	Agreeable	APHA 24 th Ed 2023, 2150 B
3	Taste	---	Agreeable	Agreeable	APHA 24 th Ed 2023, 2160 B
4	Turbidity	NTU	0.02	< 1.00	APHA 24 th Ed 2023, 2130 B
5	pH	---	7.39	6.5 – 8.5	APHA 24 th Ed 2023, 4500-H ⁺ B
6	Total Hardness as CaCO ₃	mg/lit	16.00	< 200.0	APHA 24 th Ed 2023, 2340 C
7	Iron as Fe	mg/lit	0.09	< 0.3	APHA 24 th Ed 2023, 3500 Fe B
8	Chlorides as Cl ⁻	mg/lit	6.00	< 250.0	APHA 24 th Ed 2023, 4500 Cl ⁻ B
9	Dissolved Solids	mg/lit	84.00	< 500.0	APHA 24 th Ed 2023, 2540 C
10	Residual Chlorine as Cl	mg/lit	0.24	> 0.2	APHA 24 th Ed 2023, 4500 Cl ⁻ B
11	Calcium as Ca	mg/lit	3.20	< 75.0	APHA 24 th Ed 2023, 3500 Ca B
12	Magnesium as Mg	mg/lit	1.80	< 30.0	APHA 24 th Ed 2023, 3500 Mg B
13	Copper as Cu	mg/lit	NIL	< 0.05	APHA 24 th Ed 2023, 3111 B
14	Manganese as Mn	mg/lit	NIL	< 0.10	APHA 24 th Ed 2023, 3111 B
15	Sulphates as SO ₄	mg/lit	9.00	< 200.0	APHA 24 th Ed 2023, 4500 SO ₄ E
16	Nitrate as NO ₃	mg/lit	NIL	< 45.0	APHA 24 th Ed 2023, 4500 NO ₃ B
17	Fluoride as F ⁻	mg/lit	NIL	< 1.0	APHA 24 th Ed 2023, 4500-F ⁻ D
18	Phenolic Compounds as C ₆ H ₅ OH	mg/lit	NIL	< 0.001	APHA 24 th Ed 2023, 5530 D



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19	Mercury as Hg	mg/lit	NIL	< 0.001	APHA 24 th Ed 2023, 3111 B
20	Cadmium as Cd	mg/lit	NIL	< 0.003	APHA 24 th Ed 2023, 3111 B
21	Selenium as Se	mg/lit	NIL	< 0.01	APHA 24 th Ed 2023, 3111 B
22	Arsenic as As	mg/lit	NIL	< 0.01	APHA 24 th Ed 2023, 3111 B
23	Cyanide as CN	mg/lit	NIL	< 0.05	APHA 24 th Ed 2023, 4500- Cn E
24	Lead as Pb	mg/lit	NIL	< 0.01	APHA 24 th Ed 2023, 3111 B
25	Zinc as Zn	mg/lit	NIL	< 5.0	APHA 24 th Ed 2023, 3111 B
26	Anionic detergents (as MBAS)	mg/lit	NIL	< 0.2	APHA 24 th Ed 2023, 5540 C
27	Alkalinity as CaCO ₃	mg/lit	32.00	< 200.0	APHA 24 th Ed 2023, 2320 B
28	Aluminium as Al	mg/lit	NIL	< 0.03	APHA 24 th Ed 2023, 3500 Fe B
29	Pesticides	mg/lit	NIL	ABSENT	APHA 24 th Ed 2023, 6630 D
30	Polynuclear Aromatic Hydrocarbons as PAH	mg/lit	NIL	< 0.0001	APHA 24 th Ed 2023, 6440 C
31	Boron as B	mg/lit	NIL	< 0.5	APHA 24 th Ed 2023, 4500-B B
32	Mineral Oil	mg/lit	NIL	ABSENT	IS 3025 (P-39), 1991
33	Chromium as Cr+6	mg/lit	NIL	< 0.1	APHA 24 th Ed 2023, 3500 Cr B
34	Total Chromium as Cr	mg/lit	NIL	< 0.05	APHA 24 th Ed 2023, 3111 B
35	Chloramines as Cl ₂	mg/lit	0.24	< 4.0	IS - 3025 (Part 26)*-196 R-03
36	Nickel as Ni	mg/lit	NIL	< 0.02	APHA 24 th Ed 2023, 3500 Ni B
37	Molybdenum as Mo	mg/lit	NIL	< 0.07	APHA 24 th Ed 2023, 3500 Mo
38	Barium as Ba	mg/lit	NIL	< 0.7	APHA 24 th Ed 2023, 3500 Ba B
39	Silver as Ag	mg/lit	NIL	< 0.1	APHA 24 th Ed 2023, 3500 Ag B
40	Polychlorinated biphenyls as PCB	mg/lit	NIL	< 0.0005	APHA 24 th Ed 2023, 6431 C
41	Trihalomethanes	mg/lit	NIL	< 0.1	APHA 24 th Ed 2023, 6232 D
42	Pesticides	mg/lit	ABSENT	ABSENT	APHA 24 th Ed 2023, 6630 D
43	Total Ammonia as N	mg/lit	NIL	< 0.5	APHA 24 th Ed 2023, 4500 NH ₃ C
44	Cryptosporidium	Org/10 lit	ABSENT	ABSENT	APHA 24 th Ed 2023, 9711 B
44A	Giardia	Org/10 lit	ABSENT	ABSENT	APHA 24 th Ed 2023, 9711 B
45	Total Coliform	MPN/100ml	NIL	ABSENT	APHA 24 th Ed 2023, 9221 B
45A	Fecal Coliform	Org/100ml	ABSENT	ABSENT	APHA 24 th Ed 2023, 9221 G
47	Trihalomethanes	mg/lit	ABSENT	< 0.1	APHA 24 th Ed 2023, 6232 C
47A	Bromoform	mg/lit	ABSENT	< 0.1	APHA 24 th Ed 2023, 6232 C
47B	Dibromochloromethane	mg/lit	ABSENT	< 0.1	APHA 24 th Ed 2023, 6232 C
47C	Bromodichloromethane	mg/lit	ABSENT	< 0.06	APHA 24 th Ed 2023, 6232 C
47D	Chloroform	mg/lit	ABSENT	< 0.20	APHA 24 th Ed 2023, 6232 C
48	Pesticides				
a	Alachlor	µg/lit	ABSENT	< 20.0	USEPA Method 525.2, 507
b	Atrazine	µg/lit	ABSENT	< 2.0	USEPA Method 525.2, 8141 A
c	Aldrin/Dieldrin	µg/lit	ABSENT	< 0.03	USEPA Method 508
d	Alpha HCH	µg/lit	ABSENT	< 0.01	USEPA Method 508

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e	Beta HCH	µg/lit	ABSENT	< 0.04	USEPA Method 508
f	Butachlor	µg/lit	ABSENT	< 125.0	USEPA Method 525.2, 8141 A
g	Chlorpyrihos	µg/lit	ABSENT	< 30.0	USEPA Method 525.2, 8141 A
h	Delta HCH	µg/lit	ABSENT	< 0.04	USEPA Method 508
i	2,4 Dichlorophenoxyacetic Acid	µg/lit	ABSENT	< 30.0	USEPA Method 515.1
j	DDT	µg/lit	ABSENT	< 1.00	USEPA Method 508
k	Endosulfan	µg/lit	ABSENT	< 0.04	USEPA Method 508
l	Ethion	µg/lit	ABSENT	< 3.0	USEPA Method 1657 A
m	Gamma HCH	µg/lit	ABSENT	< 2.0	USEPA Method 508
n	Isoproturon	µg/lit	ABSENT	< 9.0	USEPA Method 532
o	Malathion	µg/lit	ABSENT	< 190.00	USEPA Method 8141 A
p	Methyl Parathion	µg/lit	ABSENT	< 0.03	USEPA Method 8141 A
q	Monocrotophos	µg/lit	ABSENT	< 1.0	USEPA Method 8141 A
r	Phorate	µg/lit	ABSENT	< 2.0	USEPA Method 8141 A

REMARKS:

- As per IS 10500:2018, above water sample is chemically and bacteriologically potable with respect to above parameters.
- BDL: Below Detectable Limit, NS: Not Specified



For HORIZON SERVICES

Manoj Kumar
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/01844
M/S. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D-18, MIDC Tarapur Boisar. Tal & Dist. Palghar.	DATED	25/07/2024
	LAB REFERENCE NO	HS/LAB/WA/0725
	DATE OF SAMPLING	18/07/2024
	SAMPLE RECEIPT DATE	19/07/2024
	START DATE OF ANALYSIS	19/07/2024
	END DATE OF ANALYSIS	25/07/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Industrial Waste Water	M/s. Shree Chakrapani Environmental Consultant.	Treated	ETP

RESULTS OF ANALYSIS

SR. NO	PARAMETERS	UNIT	RESULT	LIMITS	STANDARD METHODS
01	pH	---	6.93	6.0-8.5	APHA 24 th Ed 2023, 4500-H + B
02	Total Suspended Solids	mg/lit	55.00	< 100.00	APHA 24 th Ed 2023, 2540-D
03	Total Dissolved Solids	mg/lit	1827.00	< 2100.00	APHA 24 th Ed 2023, 2540 C
04	Chemical Oxygen Demand	mg/lit	167.00	< 250.00	APHA 24 th Ed 2023, 5220- C
05	BOD 3 days at 27°C	mg/lit	57.00	< 100.00	IS 3025 (P 44) RA 2023
06	Chloride as C ⁻	mg/lit	64.00	< 600.00	APHA 24 th Ed 2023, 4500 Cl B
07	Sulphates as SO ₄ --	mg/lit	54.00	< 1000.00	APHA 24 th Ed 2023, 4500 SO4 E
08	Oil & Grease	mg/lit	BDL	<10.00	APHA 24 th Ed 2023, 5520 B
09	Nitrate as NH ₃	mg/lit	0.48	< 50.00	APHA 24 th Ed 2023, 4500 NO ₃ B
10	Phosphate	mg/lit	BDL	<5.00	APHA 24 th Ed 2023, 4500- P D,

REMARK: 1. All above results are within the limits.
2. BDL: Below Detectable Limit



For HORIZON SERVICES

Manojkumar

(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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ANALYSIS REPORT

HS/LAB/NABL/F/7.8.2.1

CLIENT'S NAME & ADDRESS	REPORT NO	HS/LAB/WA/01845
M/S. AARTI PHARMALABS LTD. (Unit-VI) Plot No. D-18, MIDC Tarapur Boisar. Tal & Dist. Palghar.	REPORT DATE	25/07/2024
	LAB REFERENCE NO.	HS/LAB/WA/0725
	SAMPLING DATE	18/07/2024
	SAMPLE RECEIPT DATE	19/07/2024
	START DATE OF ANALYSIS	19/07/2024
	END DATE OF ANALYSIS	25/07/2024

DETAILS OF SAMPLE	SAMPLE COLLECTED BY	NATURE	LOCATION
Domestic Waste Water	M/s. Shree Chakrapani Environmental Consultant.	Treated	STP

RESULTS OF ANALYSIS

SR. NO	PARAMETERS	UNIT	RESULT	LIMITS	TEST METHODS
01	pH	---	7.26	6.6 to 8.5	APHA 24 th Ed 2023, 4500-H+B
02	Total Suspended Solids	mg/lit	43.00	≤ 100.00	APHA 24 th Ed 2023, 2540-D
03	Biochemical Oxygen Demand for 3 days at 27°C	mg/lit	26.00	≤ 30.00	IS 3025 (P 44) RA 2023

REMARK: All above results are within the Limits.



For HORIZON SERVICES

murugan
(LAB INCHARGE)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/1
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18&19/07/2024		
02	TEST LOCATION		Near Main Gate		
03	TIME OF SAMPLING	Hrs	10:45		
04	TEMPERATURE (Max./Min)	Deg C	28/23		
05	RELATIVE HUMIDITY	% RH	75		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	45.61	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	18.33	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	11.29	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	24.05	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.087	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS-5182 (Part 11):2006



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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)
BDL- Below detectable level



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

Lab Approved by MoEF, New Delhi.



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/2
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18&19/07/2024		
02	TEST LOCATION		Near D.G. Set.		
03	TIME OF SAMPLING	Hrs	11:05		
04	TEMPERATURE (Max./Min)	Deg C	28/23		
05	RELATIVE HUMIDITY	% RH	75		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	55.89	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	21.67	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	12.56	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	26.70	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.078	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS 5182 (Part 11):2006



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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

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AMBIENT AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/3
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	:20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	READINGS	NAAQS STANDARDS	METHOD OF SAMPLING AND ANALYSIS
01	DATE OF SAMPLING	DD/MM/YY	18&19/07/2024		
02	TEST LOCATION		Near MMA Yard		
03	TIME OF SAMPLING	Hrs	11:25		
04	TEMPERATURE (Max./Min)	Deg C	28/23		
05	RELATIVE HUMIDITY	% RH	75		
06	SAMPLING DURATION	Hrs	24		
07	PM ₁₀	µg/m ³	59.16	≤100	IS 5182(part 23):2006, RA 2022
08	PM _{2.5}	µg/m ³	27.03	≤60	IS 5182(part 24):2019
09	SO ₂	µg/m ³	18.38	≤80	IS 5182(part 2):2023
10	NO ₂	µg/m ³	38.22	≤80	IS 5182(part 6):2006 RA 2022
11	CO (8 Hrs)	mg/m ³	0.072	≤2.0	IS 5182 (Part 10):1999 RA 2019
12	Lead	µg/m ³	BDL (<0.05)	≤1.0	IS 5182 (Part 22):2004, RA 2019
13	NH ₃	µg/m ³	BDL (<30)	≤400	IS 5182(part 25):2018
14	Ozone	µg/m ³	BDL (<5)	≤100	IS 5182(part 9):1974, RA 2019
15	Benzene	µg/m ³	BDL (<4)	≤05	IS 5182 (Part 11):2006



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16	Benzo(a)Pyrene	ng/m ³	BDL (<0.5)	≤01	IS 5182 (Part 12):2004
17	Arsenic	ng/m ³	BDL (<3)	≤06	HS/NABL/AIR/22
18	Nickel	ng/m ³	BDL (<7)	≤20	IS 5182(part 26):2020

NAAQS – National Ambient Air Quality Standards (2009)

BDL- Below detectable level



****End of Test Report****

For **HORIZON SERVICES**

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/4
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		In Acid Plant		
03	Time of Sampling (00.00)	Hrs.	11:45		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	57.85	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	21.39	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	7.23	≤ 6000	HS/LAB/NABL/WZ/11

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/5
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		In DMS Plant		
03	Time of Sampling (00.00)	Hrs.	12:05		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	34.14	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	19.81	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	10.16	≤ 6000	HS/LAB/NABL/WZ/11
10	Dimethyl Sulphate (DMS)	ppm	BDL (<0.05)	$\leq 0.1^*$	NIOSH METHOD NO. 2524
11	Methanol	ppm	4.85	≤ 200	NIOSH METHOD NO. 2000
12	Dimethyl Ether (DME)	ppm	BDL (<33)	N.S.	NIOSH METHOD NO. 1610

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.
- * Limits are given as per OSHA'S Standard.



****End of Test Report****

For HORIZON SERVICES

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/6
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		In DES Plant		
03	Time of Sampling (00.00)	Hrs.	12:25		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	41.59	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	21.05	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	13.44	≤ 6000	HS/LAB/NABL/WZ/11
10	Methanol	ppm	1.73	≤ 200	NIOSH METHOD NO. 2000
11	Ammonia	ppm	2.88	≤ 25	HS/LAB/NABL/WZ/15

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/7
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		In DMU Plant		
03	Time of Sampling (00.00)	Hrs.	12:45		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	49.12	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	17.56	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	BDL (<5)	≤ 6000	HS/LAB/NABL/WZ/11
10	Ammonia	ppm	5.20	≤ 25	HS/LAB/NABL/WZ/15

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/8
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	:20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		Acid Plant At a time Sulphur Charging		
03	Time of Sampling (00.00)	Hrs.	13:05		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	36.72	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	9.41	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	12.74	≤ 6000	HS/LAB/NABL/WZ/11

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/9
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		Sulphur Storage Yard		
03	Time of Sampling (00.00)	Hrs.	13:30		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	45.09	N.S.	HS/LAB/NABL/WZ/10

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

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WORKZONE AIR QUALITY MONITORING ANALYSIS REPORT

Report No.	: HS/REP/24-25/01166A/10
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	FACTORIES ACT LIMITS (1948)	METHOD OF SAMPLING AND ANALYSIS
01	Date of Sampling	DD/MM/YY	18/07/2024		
02	Test Location		Ammonium Sulphate Plant		
03	Time of Sampling (00.00)	Hrs.	13:50		
04	Temperature (Max./Min)	Deg C	28/21.5		
05	Relative Humidity	% RH	54		
06	Sampling Duration	Hrs.	8		
07	SPM	$\mu\text{g}/\text{m}^3$	36.89	N.S.	HS/LAB/NABL/WZ/10
08	SO ₂	$\mu\text{g}/\text{m}^3$	25.15	≤ 5000	HS/LAB/NABL/WZ/12
09	NO ₂	$\mu\text{g}/\text{m}^3$	17.21	≤ 6000	HS/LAB/NABL/WZ/11
10	Ammonia	ppm	2.48	≤ 25	HS/LAB/NABL/WZ/15
11	Monomethyl Amine	ppm	BDL (<0.1)	$\leq 10^*$	OSHA's Method No. 40

REMARK/OBSERVATIONS:

- N.S. -Not Specified.
- Results are within limit as per prescribed standards.
- BDL: - Below Detectable limits.
- * Limits are given as per OSHA'S Standard.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/11
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	:20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 01 Boiler (6 Tons/hr.)		
03	TIME OF SAMPLING (00.00)	Hrs	14:15		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	Coal		
06	STACK HEIGHT	Mtr	34		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	438		
09	DIFFERENTIAL PRESSURE	MMWC	2.17		
10	VELOCITY	M/Sec	5.98		
11	DIAMETER OF STACK	M	0.80		
12	STACK AREA	M ²	0.5027		
13	GAS VOLUME	Nm ³ /Hr	7362.99		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	58.46	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	46.27	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	8.18	< 144	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	6.76	--	IS 11255 part 7:2005, RA 2022

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES
Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01356A/1
Dated	: 25/07/2024
Inward No.	: CH-744
Inward Date	: 19/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	19/07/2024		
02	TEST LOCATION	--	Stack No/ID- 02 Thermo Pac (4 Lac Kcal/Hr.)		
03	TIME OF SAMPLING (00.00)	Hrs	14:30		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	F.O.		
06	STACK HEIGHT	Mtr	22		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	440		
09	DIFFERENTIAL PRESSURE	MMWC	3.70		
10	VELOCITY	M/Sec	7.82		
11	DIAMETER OF STACK	M	0.40		
12	STACK AREA	M ²	0.1256		
13	GAS VOLUME	Nm ³ /Hr	2394.76		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	53.13	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	39.47	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	2.26	≤ 60.5	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	33.10	--	IS 11255 part 7:2005, RA 2022

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

F MANISHA NARGOLKAR
(Lab Incharge)



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

"Shree", K 3/4, S. No. 10, Erandawane Housing Society, Opposite Deenanath Mangeshkar Hospital, Pune 411 004.

• Mobile : 7249867318, 8378018710 • Tel. : 020 - 25460202 • Email : kmn@hespl.co.in / md@hespl.co.in • www.hespl.co.in

STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/12
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 3 SO ₂ Scrubber (Acid Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	14:45		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	45		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	337		
09	DIFFERENTIAL PRESSURE	MMWC	2.50		
10	VELOCITY	M/Sec	5.63		
11	DIAMETER OF STACK	M	0.85		
12	STACK AREA	M ²	0.5675		
13	GAS VOLUME	Nm ³ /Hr	10170.98		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	8.56	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	20.13	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	4.86	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	5.86	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



For HORIZON SERVICES
Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/13
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 04 SO ₂ Scrubber (DMS Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	15:15		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	9		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	358		
09	DIFFERENTIAL PRESSURE	MMWC	2.60		
10	VELOCITY	M/Sec	5.91		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	311.69		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	10.27	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	30.81	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.23	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	8.47	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/14
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 05 DES Reactor/SVS Plant		
03	TIME OF SAMPLING (00.00)	Hrs	15:45		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	9		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	346		
09	DIFFERENTIAL PRESSURE	MMWC	3.20		
10	VELOCITY	M/Sec	6.45		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	351.97		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	11.28	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	26.08	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.19	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	5.01	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/15
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 06 NH ₃ Scrubber (DMU Plant)		
03	TIME OF SAMPLING (00.00)	Hrs	16:15		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	--		
06	STACK HEIGHT	Mtr	12		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	344		
09	DIFFERENTIAL PRESSURE	MMWC	3.10		
10	VELOCITY	M/Sec	6.33		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	347.43		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	8.41	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	26.78	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.22	--	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)
18	ACID MIST	mg/Nm ³	9.71	≤ 35	USEPA Method no.8

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/16
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 07 Ammonium Sulphate		
03	TIME OF SAMPLING (00.00)	Hrs	16:45		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	---		
06	STACK HEIGHT	Mtr	12		
07	TYPE OF STACK		ROUND		
08	FLUE GAS TEMPERATURE	Deg K	335		
09	DIFFERENTIAL PRESSURE	MMWC	3.40		
10	VELOCITY	M/Sec	6.54		
11	DIAMETER OF STACK	M	0.15		
12	STACK AREA	M ²	0.0176		
13	GAS VOLUME	Nm ³ /Hr	368.60		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	14.64	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	8.29	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	0.07	< 50.0	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	BDL (<5)	--	IS 11255 part 7:2005, RA 2022)

REMARK/OBSERVATIONS

- Results are within limit as per prescribed standards.
- BDL: - Below Detectable Limits.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



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STACK EMISSION MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/17
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.

RESULTS

SR. NO.	DESCRIPTION	UNIT	RESULT	LIMITS	Methods Used
01	DATE OF SAMPLING	DD/MM/YY	18/07/2024		
02	TEST LOCATION	--	Stack No/ID- 08 D. G. Set (500 KVA)		
03	TIME OF SAMPLING (00.00)	Hrs	17:20		
04	MATERIAL OF STACK	--	MS		
05	FUEL TYPE	--	HSD		
06	STACK HEIGHT	Mtr	8		
07	TYPE OF STACK		Round		
08	FLUE GAS TEMPERATURE	Deg K	354		
09	DIFFERENTIAL PRESSURE	MMWC	3.10		
10	VELOCITY	M/Sec	6.42		
11	DIAMETER OF STACK	M	0.25		
12	STACK AREA	M ²	0.0490		
13	GAS VOLUME	Nm ³ /Hr	953.33		
14	TOTAL PARTICULATE MATTER	mg/Nm ³	52.02	< 150.0	IS 11255 (Part 1):1985, RA 2019
15	SULPHUR DIOXIDE (SO ₂)	mg/Nm ³	45.11	--	IS 11255 (Part 2):1985, RA 2019
16	SULPHUR DIOXIDE (SO ₂)	Kg/Day	1.03	< 6.7	--
17	OXIDES OF NITROGEN (NO _x)	mg/Nm ³	8.25	--	IS 11255 part 7:2005, RA 2022)

REMARK/OBSERVATIONS:

➤ Results are within limit as per prescribed standards.



****End of Test Report****

For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)



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NOISE LEVEL MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/18
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.
Date Of Sampling	: 18/07/2024

RESULTS

SR. NO.	DESCRIPTION	UNIT	DAY TIME	NIGHT TIME
			Readings	Readings
01	Near Main Gate	dB (A)	62.7	48.1
02	Near ETP Area	dB (A)	68.3	56.9
03	Near Boiler House	dB (A)	69.5	67.6
04	In Production Hall	dB (A)	70.9	63.2
05	Near D. G. Set	dB (A)	65.2	61.8

REMARK/OBSERVATIONS

Limits:

≤75 dB (A) For Day Time

≤70 dB (A) For Night Time

Noise levels limits are given as per Noise Pollution (Regulation & Control) Rules 2010.

In Plant ≤90 dB (A)

The Factories Act. 1948, has prescribed Noise Level threshold limit for 8 hours exposure is 90 dB (A).

REMARK/OBSERVATIONS:

Results are within limit as per prescribed standards.



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



Lab Approved by MoEF, New Delhi. (Valid till 06/03/2026)

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D.G. NOISE MONITORING REPORT

Report No.	: HS/REP/24-25/01166A/19
Dated	: 25/07/2024
Inward No.	: CH-623
Inward Date	: 20/07/2024
Client	: M/S. AARTI PHARMALABS LTD. (UNIT-VI)
Site	: Plot No. D- 18, MIDC, Tarapur, Boisar. Tal & Dist. Palghar.
Sample Collected by	: M/S. SHREE CHAKRAPANI ENVIRONMENTAL CONSULTANT.
Date Of Sampling	: 18/07/2024

RESULTS

SR. NO.	TEST LOCATION	UNIT	READINGS			STANDARDS
			Door Open	Closed Door	Insertion Loss	
1	D. G. Set (500 KVA)					
A	North Side	dB(A)	99.1	73.2		
B	South Side	dB(A)	100.7	74.5		
C	East Side	dB(A)	97.0	70.3		
D	West Side	dB(A)	101.8	76.7		
	AVERAGE	dB(A)	99.65	73.67	26.0	More than 25



For HORIZON SERVICES

Manisha Nargolkar
MANISHA NARGOLKAR
(Lab Incharge)

****End of Test Report****



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

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

To,
Aarti Industries Limited - (SPACK Division)
at Plot No. D-18 MIDC Tarapur, Palghar

Subject: Environment Clearance for Proposed Expansion of Synthetic organic chemicals manufacturing unit by Aarti Industries Limited - (SPACK Division) at Plot No. D-18 MIDC Tarapur, Palghar

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 th 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 126th meetings.

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

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

1.Name of Project	Proposed Expansion of Synthetic organic chemicals manufacturing unit by Aarti Industries Limited - (SPACK Division) at Plot No. D-18 MIDC Tarapur, Palghar
2.Type of institution	Private
3.Name of Project Proponent	Aarti Industries Limited - (SPACK Division)
4.Name of Consultant	Aditya Environmental Services pvt. Ltd.
5.Type of project	Not applicable
6.New project/expansion in existing project/modernization/diversification in existing project	Expansion of existing facility
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not Applicable
8.Location of the project	Plot No. D-18 MIDC Tarapur, Palghar
9.Taluka	Palghar
10.Village	Boisar
11.Area of the project	Tarapur MIDC
12.IOD/IOA/Concession/Plan Approval Number	MIDC approval IOD/IOA/Concession/Plan Approval Number: MIDC plot plan approval Approved Built-up Area: 8323
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	MIDC plot plan approval
15.Total Plot Area (sq. m.)	20,000 sq. m.
16.Deductions	Not applicable
17.Net Plot area	Not applicable
18 (a).Proposed Built-up Area (FSI & Non-FSI)	FSI area (sq. m.): Not applicable Non FSI area (sq. m.): Not applicable Total BUA area (sq. m.): Not applicable
18 (b).Approved Built up area as per DCR	Approved FSI area (sq. m.): Approved Non FSI area (sq. m.): Date of Approval:
19.Total ground coverage (m2)	Not applicable

SEIAA Meeting No: 126 Meeting Date: April 19, 2018 (SEIAA-STATEMENT-000000252)
SEIAA-MINUTES-0000000371
SEIAA-EC-0000000258

Page 1 of 14

Shri Satish.M.Gavai (Member Secretary SEIAA)

20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	Not applicable
21.Estimated cost of the project	300000000



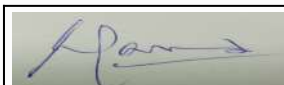
Government of Maharashtra

22. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Sulphuric acid/ Oleum 25%/ Oleum 65%/ Liquid SO3 (Sulphuric anhydride)	4050	1950	6000
2	Dimethyl sulphate (DMS)	500	1500	2000
3	Diethyl sulphate (DES)	300	900	1200
4	Dimethyl Urea (DMU)	140	460	600
5	Monomethyl urea (MMU)	0	100	100
6	Sodium vinyl sulphonate	0	300	300
7	Cyano acetic Acid (CAA)	0	500	500
8	Cyano Acetyl Methyl Urea (CAMU)	0	300	300
9	Nitrosouracil/ Uracil	0	300	300
10	Dimethyl Aniline	18	0	18
11	Captive Power	500 KW	--	500 KW
12	Spent acid (from DMS) [BY-product]	30	15	45
13	Spent acid (from DES) [BY-product]	300	1760	2060
14	20% Liquor Ammonia [BY-product]	300	1005	1305
15	Ammonium sulphate [BY-product]	0	2550	2550
16	Sodium sulphate [BY-product]	0	110	110
17	95% Acetic Acid [BY-product]	0	318	318
18	35% Acetic Acid [BY-product]	0	111	111

23. Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	771 cmd
	Recycled water - Flushing (CMD):	--
	Recycled water - Gardening (CMD):	--
	Swimming pool make up (Cum):	--
	Total Water Requirement (CMD) :	1281 cmd
	Fire fighting - Underground water tank(CMD):	--
	Fire fighting - Overhead water tank(CMD):	--
	Excess treated water	--



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



Government of Maharashtra



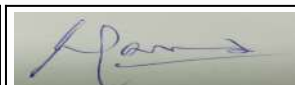
24.Details of Total water consumed

Particulars	Consumption (CMD)			Loss (CMD)			Effluent (CMD)		
	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	7	2	9	2	0	2	5	2	7
Industrial Process	24	76	100	24	2	26	0	74	74
Cooling tower & thermopack	407	757	1164	260	472	735	144	285	429
Gardening	3	5	8	3	5	8	0	0	0

25.Rain Water Harvesting (RWH)	Level of the Ground water table:	Details given in EIA report.
	Size and no of RWH tank(s) and Quantity:	Details given in EIA report.
	Location of the RWH tank(s):	Eastern side of plot
	Quantity of recharge pits:	Details given in EIA report.
	Size of recharge pits :	Details given in EIA report.
	Budgetary allocation (Capital cost) :	10 Lakh
	Budgetary allocation (O & M cost) :	2 Lakhs per Annum
	Details of UGT tanks if any :	Not applicable

26.Storm water drainage	Natural water drainage pattern:	--
	Quantity of storm water:	--
	Size of SWD:	--

27.Sewage and Waste water	Sewage generation in KLD:	7 cmd
	STP technology:	Not Applicable. Sewage water will be treated in combined Effluent treatment plant.
	Capacity of STP (CMD):	Not Applicable.
	Location & area of the STP:	Not Applicable.
	Budgetary allocation (Capital cost):	Not Applicable.
	Budgetary allocation (O & M cost):	Not Applicable.



28.Solid waste Management

Waste generation in the Pre Construction and Construction phase:	Waste generation:	Minor quantity of debris will be generate during construction phase.
	Disposal of the construction waste debris:	Construction debris will be disposed off safely as per norms.
Waste generation in the operation Phase:	Dry waste:	Fly Ash: 1.5 TPM (Existing) & 270 TPM (proposed addition)
	Wet waste:	--
	Hazardous waste:	Residue/ sludge and filter cake, Spent catalyst, Spent carbon, ETP sludge, Discarded centrifuge bags/Filter cloth, Salts from MEE
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Mode of Disposal of waste:	Dry waste:	Fly ash will be sell to brick manufacturer.
	Wet waste:	--
	Hazardous waste:	Hazardous waste will be safely disposed off as per Hazardous waste rule, 2016.
	Biomedical waste (If applicable):	Not Applicable
	STP Sludge (Dry sludge):	Not Applicable
	Others if any:	Not Applicable
Area requirement:	Location(s):	On East side of plot
	Area for the storage of waste & other material:	Details given in EIA report
	Area for machinery:	--
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	5 Lakh
	O & M cost:	100 Lakhs per Annum

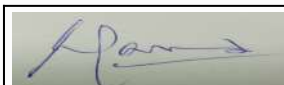
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29.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	pH	--	6-9	6.5-9	6.5-9
2	Chemical Oxygen Demand	mg/L	2500-3000	<250	250
3	Biological Oxygen Demand	mg/L	1000-1500	<100	100
4	Total Dissolved solids	mg/L	1100-1200	<2100	2100
5	Total Suspended solids	mg/L	150-200	<100	100
6	Oil & Grease	mg/L	<10	<10	10
7	Chlorides	mg/L	250-300	<600	600
8	Sulphates	mg/L	250-300	<1000	1000
Amount of effluent generation (CMD):		510 cmd effluent			
Capacity of the ETP:		13 cmd to ETP plant, 115 cmd to RO unit, 44 cmd to MEE unit			
Amount of treated effluent recycled :		510 cmd			
Amount of water send to the CETP:		5 cmd			
Membership of CETP (if require):		Yes			
Note on ETP technology to be used		Oil & Grease trap > Equalization tank > Pre-treatment tank > Pri. clarifier > Aeration tank > Sec. clarifier > Sand filter > Activated carbon filter > Treated water tank			
Disposal of the ETP sludge		ETP sludge will be disposed off in CHWTSDF.			

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30.Hazardous Waste Details							
Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Residue/ sludge and filter cake	17.1	TPA	5	1	6	Sell to CHWTSDF
2	Spent catalyst	17.2	TPA	250	5	255	sell to CHWTSDF
3	Spent carbon	28.3	TPA	0	500	500	sell to CHWTSDF
4	ETP sludge	35.3	TPA	50	50	100	sell to CHWTSDF
5	Discarded centrifuge bags/Filter cloth	33.1	TPA	0	6	6	sell to CHWTSDF
6	Salts from MEE	35.3	TPA	0	330	330	Reuse or Recycle.

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	6 TPH Boiler	Coal: 1200 kg/hr	1	34	0.8	152
2	4 Lac kcal/Hr	Furnace oil: 21 kg/hr	2	22	0.4	145
3	H2SO4 plant stack	--	3	45	0.85	50
4	Sulphonation reactor	--	4	9	0.15	43
5	DES reactor	--	5	9	0.15	34
6	Sodium Vinyl Sulphonate plant stack	--	6	9	0.15	35
7	DMU/ MMU plant stack	--	7	12	0.15	30
8	Ammonium sulphate	--	8	12	0.15	30
9	500 KVA DG set (existing)	HSD: 10 KL per annum	9	4	0.25	--
10	1500 KVA DG set (proposed)	HSD: 20 KL per annum	10	as per norms	as per norm	--

32.Details of Fuel to be used				
Serial Number	Type of Fuel	Existing	Proposed	Total
1	Coal	300 TPM	600 TPM	900 TPM
2	Furnace oil	20 TPM	15 TPM	35 TPM
3	HSD	10 KL per annum	20 KL per annum	30 KL per annum
Source of Fuel		From nearby vendor		
Mode of Transportation of fuel to site		By road		

33.Energy



Power requirement:	Source of power supply :	from MSEDCL
	During Construction Phase: (Demand Load)	During construction phase power requirement will be fulfill from existing facility.
	DG set as Power back-up during construction phase	500 KVA
	During Operation phase (Connected load):	2500 KW
	During Operation phase (Demand load):	2500 KW
	Transformer:	Not applicable
	DG set as Power back-up during operation phase:	DG set 1500 KVA
	Fuel used:	HSD
	Details of high tension line passing through the plot if any:	Not applicable

34. Energy saving by non-conventional method:

--

36. Detail calculations & % of saving:

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

37. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Air pollution from Boiler, TFH	Dust collector/ bag filter, Scrubber	Dust collector/ bag filter
Water pollution from Process, Utilities	ETP plant	RO unit, MEE unit
Noise pollution	Enclosure/ PPE	Enclosure/ PPE
Solid waste	Disposed to CHWTSDF/ Recycler	Disposed to CHWTSDF/ Recycler

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	--
	O & M cost:	--

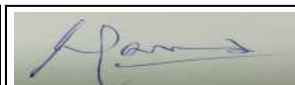
38. Environmental Management plan Budgetary Allocation

a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	--	--	--

b) Operation Phase (with Break-up):

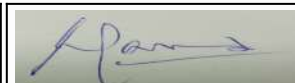
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Air pollution control	Dust collector, Scrubber	35	3
2	Water Pollution control	RO unit, MEE unit	500	50
3	Noise Pollution control	Enclosure, PPE	3	1



4	Environment Monitoring/management	Monitoring, Online monitoring system	10	7
5	Occupational Health & Safety	PPE, Safety system	1	6
6	Green Belt Development	Green belt	1	3
7	Hazardous waste & Solid waste management	Storage, secure Disposal, Recycle	5	100
8	Rain water harvesting	RWH system	10	2

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

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Methanol	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ethanol	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -1	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -2	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
MMA -3	Existing	details given in EIA report	9.9 KL	9.9 KL	details given in EIA report	details given in EIA report	details given in EIA report
SO-3	2 Nos. of Existing	details given in EIA report	18 MT each	18 MT	details given in EIA report	details given in EIA report	details given in EIA report
DMS-1	Existing	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
DMS-2	Existing	details given in EIA report	58 KL	58 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-1	Existing	details given in EIA report	100 KL	100 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES- 2 (ISO tank)	Existing	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-3 (ISO tank)	Existing	details given in EIA report	17.5 KL	17.5 KL	details given in EIA report	details given in EIA report	details given in EIA report
DES-4 (ISO tankl)	Existing	details given in EIA report	17.5 KL	17.5 KL	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	Existing	details given in EIA report	500 MT	500 MT	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	Existing	details given in EIA report	250 MT	250 MT	details given in EIA report	details given in EIA report	details given in EIA report
Sulphuric acid	2 Nos. of Existing	details given in EIA report	300 MT each	300 MT each	details given in EIA report	details given in EIA report	details given in EIA report
Oleum (25%)	Existing	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report
Oleum (65%)	Existing	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report



Liquor Ammonia (20%)-1	Existing	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
Liquor Ammonia (20%)-2	Existing	details given in EIA report	15 KL	15 KL	details given in EIA report	details given in EIA report	details given in EIA report
Caustic Lye	Existing	details given in EIA report	15 KL	15 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ammonia	Existing	details given in EIA report	cylinders	--	details given in EIA report	details given in EIA report	details given in EIA report
Dimethyl sulphate	Proposed	details given in EIA report	130 KL	130 KL	details given in EIA report	details given in EIA report	details given in EIA report
SVS 25% solution	Proposed	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetone	Proposed	details given in EIA report	16 KL	16 KL	details given in EIA report	details given in EIA report	details given in EIA report
Ethanol	Proposed	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Methanol	Proposed	details given in EIA report	75 KL	75 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetic anhydride	Proposed	details given in EIA report	100 MT	100 MT	details given in EIA report	details given in EIA report	details given in EIA report
Caustic lye	Proposed	details given in EIA report	40 MT	40 MT	details given in EIA report	details given in EIA report	details given in EIA report
Acetic Acid 95%	Proposed	details given in EIA report	100 KL	100 KL	details given in EIA report	details given in EIA report	details given in EIA report
Acetic Acid 35%	Proposed	details given in EIA report	50 KL	50 KL	details given in EIA report	details given in EIA report	details given in EIA report
30 % HCL	Proposed	details given in EIA report	20 KL	20 KL	details given in EIA report	details given in EIA report	details given in EIA report
40.Any Other Information							
No Information Available							

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	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	5(f)- B
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	05-10-2016

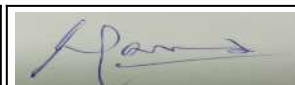
3. The proposal has been considered by SEIAA in its 126th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions:

Specific Conditions:

I	The PP shall submit a detailed DMP with budget
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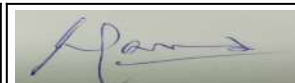
General Conditions:

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



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

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

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

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

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

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

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

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



Shri Satish.M.Gavai (Member Secretary SEIAA)

Copy to:

1. SHRI JOHNY JOSEPH, CHAIRMAN-SEIAA
2. SHRI UMAKANT DANGAT, CHAIRMAN-SEAC-I
3. SHRI M.M.ADTANI, CHAIRMAN-SEAC-II
4. SHRI ANIL .D. KALE. CHAIRMAN SEAC-III
5. SECRETARY MOEF & CC
6. IA- DIVISION MOEF & CC
7. MEMBER SECRETARY MAHARASHTRA POLLUTION CONTROL BOARD MUMBAI
8. REGIONAL OFFICE MOEF & CC NAGPUR
9. REGIONAL OFFICE MIDC TARAPUR
10. MAHARASHTRA STATE ELECTRICITY DISTRIBUTION CO. LTD
11. COLLECTOR OFFICE PALGHAR

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