

29.07.2024

Environment Department
Room no.217, 2nd Floor,
Mantralaya Annex,
Mumbai 400032.

Dear Sir,

Subject: Compliance report of Environment Clearance

Ref : SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and
Subsequent amendment in Environment clearance vide letter no. SEIAA-
2016/CR 05/TC 3 dated 19.05.2016 and SEIAA letter no.: SEAC-
2010/CR.448/TC.2

Please find attached half yearly compliance report for the period from January 2024 to June 2024, in compliance of Condition No.26 and 29 of our Environment Clearance letter dated 08.04.2015 and condition no.23 of our Environment Clearance letter dated 03.12.2010.

Kindly acknowledge receipt of this letter with its enclosure.

Thanking you,
Cordially yours,

For Galaxy Surfactants Limited


Shamsundar Gawade
General Manager- Corporate Governance



Encl: As above

- CC** : 1. Maharashtra Pollution Control Board
Raigad Bhavan, 7th Floor, Sector-11,
CBD Belapur, Navi Mumbai
2. Ministry of Environment and Forest, Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building, Civil Line, Nagpur-440001
3. Central Pollution Control Board
Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura
Vadodara – 390023, Gujarat

Factory Address:
Plot No. V-23 MIDC, Talaja
& Plot No. 1, Village: Chal
Near Talaja Ind. Area,
Tal : Panvel, Dist. Raigad.
Ph: +91-22-39215300 / 39545100
Fax: +91-22-27411701 / 27411702

Regd. Office:
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Navi Mumbai – 400 703, India.
CIN No. U39877MH1986PLC039877
Ph : +91-22-65134444 / 27616666
Fax : +91-22-27615883 / 27615886
E-mail : galaxy@galaxysurfactants.com
Website : www.galaxysurfactants.com

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE
(Period: January 2024 – June 2024)

Project : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, District Raigad by Modernisation with no increment in pollution load.

Reference: SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and subsequent amendment in Environment clearance vide letter no.SEIAA-2016/CR 05/TC 3 dated 19.05.2016 and SEIAA Letter No.: SEAC-2010/CR-448/TC-2 dated 03.10.2010.

Products :

Sr. No.	Name of the product	Total Production Quantity (MT/Month)
1	Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	7140
2	Ethylene Oxide Condensate	5000
3	Cationic Surfactants (on 100% AM basis) such as Betains, Quaternary Ammonium Salts etc.	1520
4	Sulphosuccinates	60
5	Surfactant blends (on 100% AM basis) such as Syndet Soap-Granules/ Noodles, Sparkle series etc.	1320
6	Fatty Acid Esters, Fatty alkanol amides and esterquats.	1700
7	Conc. Sulphuric Acid (By Product)	132
8	Sodium Sulphate 20-25 % solution, Solids 37.5 MT/ M (By Product)	180
	Total	17052

Status of compliance of the Conditions stipulated in our Environment Clearance dated 08.04.2015 subsequently amended vide letter dated 19.05.2016 and Environment Clearance dated 03.12.2010.

Sr. No.	Conditions	Compliance Status
1	The Environment Clearance is issued subject to condition that PP shall be responsible for end disposal of Hazardous Waste to authorized dealer (b) PP to abide by the submitted specific effluent characteristics after treatment.	We have disposed of Hazardous Waste to Authorized dealers as per conditions mentioned in Consent to Operate and Environment Clearance. We will abide by the specific effluent characteristics after treatment.
2	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land has been acquired and project is completed within the existing plot.



3	For controlling fugitive natural dust, regular sprinkling of water and wind shields at appropriate distances in vulnerable areas of Plant shall be ensured.	High speed rapid roller door or PVC strip doors are provided in warehouse and manufacturing area. Wherever necessary windows are provided to prevent inflow of dust from outdoors. We regularly swept the internal roads in factory to control dust formed by movement of vehicles. We have also planted trees in the factory premises and also provided sprinkler systems in green belt area and garden developed inside the factory premises.
4	Regular monitoring of the air quality, including SPM and SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) and submit report accordingly to MPCB.	We have Complied with ambient air monitoring as per the MPCB Consent to Operate and prescribed in the EC. Please refer enclosed Annexure A for latest work zone and ambient air quality report.
5	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	We have provided adequate safety and ventilation arrangement in furnace area.
6	Proper Housekeeping programs shall be implemented.	We are maintaining proper housekeeping within the premises.
7	In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of the operation and shall not be restarted until the desired efficiency has been achieve.	In case of failure of pollution control Equipment, the complete unit is being shut down and resumed only after the said equipment is rectified. We assure that the same practice will be followed in future also.
8	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollution from DG Set (If applicable).	Stacks of adequate height based on DG set capacity has been provided.
9	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rainwater collected and reused in process. No ground water recharged through harvesting.
10	Arrangement shall be made that effluent and storm water does not get mixed.	Separate arrangements are made for effluent and storm water.

28/

11	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.	Our unit is ZLD and hence not discharging any effluent to CETP. Entire effluent is reused by recycling through RO, MBR, MEE. We are not using any ground water in our process.
12	Leq of 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.	Noise level maintained as per standards and monitored on regular basis. The operating personnel use protective equipment like earmuff and earplug wherever required.
13	The overall noise levels in and around the plant 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.	The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on noise generating equipment like DG Set, blowers etc. to minimize noise.
14	Green belt shall be developed and 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.	Green belt area of 4080 sq. mtrs. Developed. Total 1265 numbers of trees and shrubs are planted around the plant periphery.
15	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.	Adequate safety measures taken within plant boundary. Leak detection devices installed at strategic places.
16	Occupational health surveillance of the workers shall be done on a regular	We have dedicated OHC and full time Factory Medical Officer along with round the clock male nurse to take care of safety and health of the workers. We conduct monthly safety and contractors meeting for



	basis and the record shall be maintained as per Factories Act.	health and safety of the workers. Half yearly health checkup of workers being done periodically (last health checkup done on 4 th to 8 th March, 2024) and the records are maintained as per Factories Act.
17	The Company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.	Fire prevention and life safety measures are installed in the premises. Fire alarm and sprinklers, Fire Extinguishers, Fire Hydrant System installed and maintained. We are conducting periodical inspection of all firefighting system.
18	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 MPCB shall be obtained for collections / treatment / storage / disposal of hazardous waste.	<p>We have complied with the rules and regulations with regard to handling and disposal of Hazardous Wastes in accordance with the rules and MPCB has authorized us for treatment/storage/disposal of Hazardous Waste to authorized vendors.</p> <p>We have obtained membership of Mumbai Waste Management Limited (MWML) and authorization from MPCB for the disposal of Wastes / Residue Containing Oil (1 MT/A). Empty barrels/containers / liner contaminated with Hazardous chemicals /waste (24 MT/A), Flue Gas Cleaning Residue (98.4 MT/A), Chemical Sludge from waste water treatment (108 MT/A) by incineration and Spent Catalyst and molecular sieves (6 MT/A) by landfill.</p> <p>Used or Spent oil (6 MT/A), Contaminated Cotton ragas or other cleaning materials 1MT/A will be given for Recycle/incineration to MWML/ MPCB Authorized Vendor. MEE solid waste 180MT/A by landfill.</p> <p>We maintain the record for hazardous waste generation in form 3 & disposal in Form 10 and submit the Annual return in Form 4 to MPCB and having dedicated storage area for Hazardous Waste.</p> <p>By products transferred to Hazardous Waste viz. Sulphuric Acid & Sodium Sulphate, are being disposed off as per the Consent to operate and as per the Hazardous & Other Wastes (M&TM) Rules 2016</p>
19	<p>The Company shall undertake following Waste Minimization Measures :</p> <ul style="list-style-type: none"> • Metering of quantities of active ingredients to minimize waste. • Reuse of by-products from the process as raw materials or as raw material substitutes in other process. • Maximizing recoveries. 	<p>Use of level transmitters in storage tank and adjustment vessel to avoid spillages.</p> <p>Automated transfer of most of intermediate, raw materials and finished goods used for avoiding spillages.</p> <p>We have implemented level switch (high level protection) for filling of tankers, containers of finished goods to eliminate spillages. It will eliminate environment incidence and reduce load on ETP and Hazardous Waste.</p> <p>By-products are reused into process to the extent possible.</p>

	<ul style="list-style-type: none">• Use of automated transfer system to minimize spillage.																																																																	
20	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvement required, if any, in the on-site management plan shall be ensured.	On-site emergency management plan prepared. Total evacuation mock drill conducted on 28.05.2024.																																																																
21	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	<p>Environment management cell is set up with total 15 members of various Departments. Meeting held on 25.06.2024 to review the environment related compliances.</p> <table><tr><th>Sr. No.</th><th>Names</th><th>Dept</th><th>Designation</th></tr><tr><td>1</td><td>Avinash Shinde</td><td>SHE and Instruments</td><td>Chairman</td></tr><tr><td>2</td><td>Pradeep Kadam</td><td>SHE</td><td>Member</td></tr><tr><td>3</td><td>Suraj Rathi</td><td>SHE</td><td>Member</td></tr><tr><td>4</td><td>Sham/Swapnil Kulkarni</td><td>CG</td><td>Member</td></tr><tr><td>5</td><td>Deepak Divate</td><td>Conversion</td><td>Member</td></tr><tr><td>6</td><td>Vinod Mante</td><td>MIC, Conversion</td><td>Member</td></tr><tr><td>7</td><td>Pravin Bhor</td><td>SIC, Conversion</td><td>Member</td></tr><tr><td>8</td><td>Hemant Patil</td><td>SIC, Conversion</td><td>Member</td></tr><tr><td>9</td><td>Amit Kakkar</td><td>Mech, Elec., Civil maintenance</td><td>Member</td></tr><tr><td>10</td><td>Praful A</td><td>Mech. Maintenance</td><td>Member</td></tr><tr><td>11</td><td>Kunal Waghmare</td><td>Electrical Maintenance</td><td>Member</td></tr><tr><td>12</td><td>Narendra Dali</td><td>Stores</td><td>Member</td></tr><tr><td>13</td><td>Nilesh Kavankar</td><td>Instrument Maintenance</td><td>Member</td></tr><tr><td>14</td><td>Omkar Patil</td><td>Civil Maintenance</td><td>Member</td></tr><tr><td>15</td><td>Pooja Desai</td><td>NPT</td><td>Member</td></tr></table>	Sr. No.	Names	Dept	Designation	1	Avinash Shinde	SHE and Instruments	Chairman	2	Pradeep Kadam	SHE	Member	3	Suraj Rathi	SHE	Member	4	Sham/Swapnil Kulkarni	CG	Member	5	Deepak Divate	Conversion	Member	6	Vinod Mante	MIC, Conversion	Member	7	Pravin Bhor	SIC, Conversion	Member	8	Hemant Patil	SIC, Conversion	Member	9	Amit Kakkar	Mech, Elec., Civil maintenance	Member	10	Praful A	Mech. Maintenance	Member	11	Kunal Waghmare	Electrical Maintenance	Member	12	Narendra Dali	Stores	Member	13	Nilesh Kavankar	Instrument Maintenance	Member	14	Omkar Patil	Civil Maintenance	Member	15	Pooja Desai	NPT	Member
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22	Transportation of ash will be through closed containers and all measure should be taken to prevent spilling of ash.	We have ensured transportation of ash in closed containers and prevented spilling of ash. We have started use of PNG boilers for plant operations. We have discontinued use of coal boilers and in place of that boilers with compatibility to briquettes will be used as alternate option to PNG boilers.																																																																
23	Separate silos will be provided for collecting and storing bottom ash and fly ash.	<p>We have dedicated area for collecting bottom ash from furnace & we collect the fly ash from Cyclone separator & bag filter in drums & then shifted to dedicated area.</p> <p>This area is completely isolated & covered from all sides to avoid any interference.</p>																																																																

24	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. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should be reported to the MPCB and this department.	During this period, we incurred expenditure of Rs. 3.50 lacs (approx.) for details given in the table below <table border="1"> <tr> <th>Sr. No.</th><th>Description of Project</th><th>Investment Cost in INR</th></tr> <tr> <td>1</td><td>ETP Maintenance</td><td>3,50,000</td></tr> <tr> <td colspan="2">TOTAL</td><td>3,50,000</td></tr> </table>	Sr. No.	Description of Project	Investment Cost in INR	1	ETP Maintenance	3,50,000	TOTAL		3,50,000
Sr. No.	Description of Project	Investment Cost in INR									
1	ETP Maintenance	3,50,000									
TOTAL		3,50,000									
25	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 .	Advertisement was given in two local newspapers on obtaining EC and also uploaded copy of EC on company website.									
26	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department on 1 st June and 1 st December of each calendar year.	We have submitted half yearly EC compliance report to MPCB.									
27	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	EC copy published on website of the Company.									

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	processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	
28	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.	<p>Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on our website and will be updated regularly.</p> <p>The Criteria Pollutant Levels are displayed on the main gate of the Company on newly installed electronic digital display.</p> <p>Please refer enclosed Annexure B for latest Stack Emission reports.</p>
29	The project proponent shall also submit six monthly report 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.	We have submitted six monthly report on the status of compliance of the stipulated EC Conditions including results of monitored data to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
30	The environmental statement for each financial year ending 31 st March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC	<p>Environment statement for the year 2022-2023 submitted online with the MPCB website on 30.09.2023</p> <p>Copy of Environment statement will be displayed on the Company website along with status of EC Conditions and will also be sent to Regional Officers of MoEF by email.</p>

82

	conditions and shall also be sent to the respective Regional Offices of MoEF by email.	
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Status of compliance of conditions stipulated in our earlier Environment Clearance dated 03.12.2010.

Sr.No.	Conditions	Compliance Status
1	"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environmental department before start of any construction work at the site.	Copy of Consent to Establish was submitted in earlier EC Compliance report.
2	No land development / construction work preliminary or otherwise relating to the project shall taken up without obtaining due clearance from respective authorities.	No additional land has been acquired and project is completed within the existing plot.
3 to 27	Conditions from Environment Clearance dated 03.12.2010 are also covered in above condition nos.2-4, 9-30 of Environment Clearance dated 08.04.2015.	Please refer remarks in status of compliance of conditions in Environment Clearance dated 08.04.2015.
28	The environmental clearance is being issued without prejudice to the 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 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.	Noted

For Galaxy Surfactants Limited



Shamsundar Gawade
General Manager- Corporate Governance

Sadekar Enviro Engineers Private Limited

Plot No. A-95, Road No. 16, Kisan Nagar Road, MIDC, Waghe Industrial Area, Thane - 400 604, Maharashtra State, India.
 ☎ : (91-22) 2563 5521 / 2563 3822 / 2563 3323 / 2563 3324 • E-mail : pr@sadekarenviro.com / psadekar5@gmail.com

SAVE WATER

SAVE LIFE

ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/04/24/01	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 Hrs
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	03/04/2024

AMBIENT AIR STATION

Location of H.V.S.	Near Material Gate (V-23)	Lateral Distance	5.0 Mtr. From Material Gate
Ambient Temperature	34.1°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	68.60	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	28.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	32.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	16.90	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.72	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
 2) The above results relate only to the item tested.
 3) NAAQS-National Ambient Air Quality Standards
 4) BDL - Below Detectable Limit.



[Signature]
 Authorized By

[Handwritten signature]
 10/04/24

HIGH COD/TDS FACILITY : Plot No. E-133 & P-196, Tarapur MIDC, Boisar, Dist. Palghar - 401506 ☎ : 0221159165 / 7304633668
 E-mail : evaporationssystem@sadekarenviro.com • Web site : www.sadekarenviro.com

GOA UNIT : 310, Dempo Towers, EDC Pallo, Panaji-403 001, Goa State, India ☎ : (0632) 2437048 / 2437164
 E-mail : sadekarenviro@rediffmail.com • CIN No. - U45209MH1999PTC-116379



Sadekar Enviro Engineers Private Limited

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India.
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SAVE WATER
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/04/24/02	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	03/04/2024

AMBIENT AIR STATION

Location of H.V.S.	Near Gate No.3 (V-23)	Lateral Distance	5.0 Mtr. From Gate No.3
Ambient Temperature	34.1°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	69.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	32.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	35.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	29.00	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.87	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
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3) NAAQS-National Ambient Air Quality Standards
4) BDL - Below Detectable Limit.



[Signature]
Authorized By

HIGH COD/TDS FACILITY : Plot No. E-133 & P-195, Tarapur MIDC, Boisar, Dist. Palghar - 401506 ☎: 8591159165 / 7304633868
E-mail : evaporationsystem@sadekarenviro.com • Website : www.sadekarenviro.com

GOA UNIT : 310, Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India ☎ : (0832) 2437048 / 2437164
E-mail : sadekarenviro@rediffmail.com • CIN No. - U45209MH1996PTC-116379



Sadekar Enviro Engineers Private Limited

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SAVE WATER
SAVE LIFE

ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/04/24/03	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	03/04/2024

AMBIENT AIR STATION

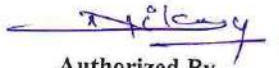
Location of H.V.S.	Near Material Gate No. 6 (EOU)	Lateral Distance	5.0 Mtr. From Material Gate No. 6 (EOU)
Ambient Temperature	34.1°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	53.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	25.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	38.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	26.00	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.98	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) NAAQS-National Ambient Air Quality Standards
4) BDL - Below Detectable Limit.




Authorized By

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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/04/24/04	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	03/04/2024

AMBIENT AIR STATION

Location of H.V.S.	Near MED Ware House (MED)	Lateral Distance	5.0 Mtr. From MED Ware House
Ambient Temperature	34.1°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	48.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	21.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	23.80	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	13.00	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.24	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/04/24/05	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	03/04/2024

AMBIENT AIR STATION

Location of H.V.S.	Near Admin Gate (EOU)	Lateral Distance	5.0 Mtr. From Admin Gate (EOU)
Ambient Temperature	34.1°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	56.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	33.80	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	38.00	80	IS 5182(part 2)2001 (RA 2017)
Oxide of Nitrogen (NOx)	µg/m ³	27.90	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.79	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol I 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) NAAQS-National Ambient Air Quality Standards
4) BDL - Below Detectable Limit.



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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/06/24/363		Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208			
Sample collected by	AA Representative	Duration of sampling	24 Hrs	
Reference	-----			
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024	
Analysis Start Date	15/06/2024	Analysis Complete Date	20/06/2024	
AMBIENT AIR STATION				
Location of H.V.S.	Near Material Gate (V-23)	Lateral Distance	5.0 Mtr. From Material Gate	
Ambient Temperature	33.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	73.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	32.00	60	CPCB Manual Volume I
Sulphur Dioxide (SO ₂)	µg/m ³	35.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	14.90	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.79	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) NAAQS-National Ambient Air Quality Standards 4) BDL - Below Detectable Limit.				
		 Authorized By 		

HIGH COD/TDS FACILITY : Plot No. E-133 & P-195, Tarapur MIDC, Boisar, Dist. Palghar - 401506 ☎: 8591159165 / 7304633868
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/06/24/364		Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208			
Sample collected by	AA Representative	Duration of sampling	24 hrs	
Reference	-----			
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024	
Analysis Start Date	15/06/2024	Analysis Complete Date	20/06/2024	
AMBIENT AIR STATION				
Location of H.V.S.	Near Gate No.3 (V-23)	Lateral Distance	5.0 Mtr. From Gate No.3	
Ambient Temperature	33.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	63.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	28.40	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	31.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	19.00	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.81	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) NAAQS-National Ambient Air Quality Standards 4) BDL - Below Detectable Limit.				
				 Authorized By

HIGH COD/TDS FACILITY : Plot No. E-133 & P-196, Tarapur MIDC, Boisar, Dist. Palghar - 401506 ☎: 8591159165 / 7304633868
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/06/24/365		Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208			
Sample collected by	AA Representative	Duration of sampling	24 hrs	
Reference	-----			
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024	
Analysis Start Date	15/06/2024	Analysis Complete Date	20/06/2024	
AMBIENT AIR STATION				
Location of H.V.S.	Near Material Gate No. 6 (EOU)	Lateral Distance	5.0 Mtr. From Material Gate No. 6 (EOU)	
Ambient Temperature	33.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	57.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	23.90	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	36.00	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	18.00	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.91	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) NAAQS-National Ambient Air Quality Standards 4) BDL - Below Detectable Limit.				
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/06/24/366	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	20/06/2024

AMBIENT AIR STATION

Location of H.V.S.	Near MED Ware House (MED)	Lateral Distance	5.0 Mtr. From MED Ware House
Ambient Temperature	33.8°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	48.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	24.10	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	21.40	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	15.60	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.32	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
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[Signature]
Authorized By

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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE

Report No	SEET/AA/06/24/367	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative	Duration of sampling	24 hrs
Reference	-----		
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	20/06/2024

AMBIENT AIR STATION

Location of H.V.S.	Near Admin Gate (EOU)	Lateral Distance	5.0 Mtr. From Admin Gate (EOU)
Ambient Temperature	33.8°C	Receptor Distance	1.5 Mtr. From Ground Level

POLLUTIONAL PARAMETERS

Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	56.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	33.80	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	38.00	80	IS 5182(part 2)2001 (RA 2017)
Oxide of Nitrogen (NO _x)	µg/m ³	27.90	80	IS 5182(part 2)2006 (RA 2017)
Ozone (O ₃)	µg/m ³	BDL(MDL<19.6)	100	MASA-411 3 rd Ed
Lead (Pb)	µg/m ³	BDL(MDL<0.1)	1.0	MASA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ³	0.79	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
Benzene (C ₆ H ₆)	µg/m ³	BDL(MDL<0.2)	05	IS 5182(part 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB Manual Vol 1 2011
Arsenic (As)	ng/m ³	BDL(MDL<0.1)	06	MASA-302 3 rd Ed
Nickel (Ni)	ng/m ³	BDL(MDL<7)	20	MASA-822 3 rd Ed

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
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4) BDL - Below Detectable Limit.



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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/24	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	01/04/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-2
Stack Attached To	--	Coal Fire Boiler (5TPH) Cyclone Separator + Bag Filter
Shape	--	Round
Diameter	M	0.4
Height From Ground Level	M	35.0
Temperature	°C	114
Velocity of Flue Gases	M/Sec	6.09
Volume of Flue Gases	Nm ³ /Hr	2120
Type of Fuel	Kg/Hr.	Coal

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	41.80
Sulphur Di-Oxide	IS 1255 (part II) - 1985	kg/day	180	13.60
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	10.04
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.36
Sulphates	EPA Method	ppm	N.A.	1.12
Chloride	EPA-26 A Method	mg/Nm ³	N.A.	0.009
Sulphur Content	---	%	0.5	0.010

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
 2) The above results relate only to the item tested.
 3) BDL - Below Detectable Limit.



Nalany
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OK -
S.H.
 10/04/24

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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/25	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	01/04/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-3
Stack Attached To	--	Thermopac Boiler (EOU)
Shape	--	Round
Diameter	M	0.4
Height From Ground Level	M	30.25
Temperature	°C	138
Velocity of Flue Gases	M/Sec	8.10
Volume of Flue Gases	Nm ³ /Hr	2655
Type of Fuel	Kg/Hr.	F.O

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	45.8
Sulphur Di-Oxide	IS 1255 (part II) - 1985	kg/day	156	16.80
Oxide of Nitrogen	IS 11255 (part 7)-2005	Ppm	--	17.50
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.14
Sulphur Content	---	%	4.5	0.0100

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

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3) BDL - Below Detectable Limit.



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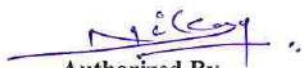


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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/24/16	Date	04/04/2024	
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208			
Sample collected by	AA Representative			
Reference	-----			
Date of sampling	27/03/2024	Sample Receipt Date	28/03/2024	
Analysis Start Date	29/03/2024	Analysis Complete Date	02/04/2024	
DETAILS OF STACK				
Description	Unit	Result		
Stack No.	--	S-4		
Stack Attached To	--	Scrubber No .1 (V-23)		
Shape	--	Round		
Diameter	M	0.6		
Height From Ground Level	M	30		
Temperature	°C	39		
Velocity of Flue Gases	M/Sec	6.11		
Volume of Flue Gases	Nm ³ /Hr	5937.14		
Type of Fuel	--	---		
POLLUTION PARAMETERS				
PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	8.65
Sulphur Di-Oxide	IS 1255 (part II) - 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	2.96
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.24
Acid Mist	EPA Method	ppm	35	12.80
NOTE: 1) The above results relate only to the condition prevailing at the time of sampling. 2) The above results relate only to the item tested. 3) BDL - Below Detectable Limit.				
				
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/31	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410 208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	28/03/2024	Sample Receipt Date	29/03/2024
Analysis Start Date	30/03/2024	Analysis Complete Date	04/04/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-5
Stack Attached To	--	Scrubber No .2 (EOU)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	°C	34
Velocity of Flue Gases	M/Sec	6.84
Volume of Flue Gases	Nm ³ /Hr	6732
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	19.80
Sulphur Di-Oxide	IS 1255 (part II) - 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	B.D.L (MDL <1)
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.27
Acid Mist	EPA Method	ppm	35	11.80

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) BDL - Below Detectable Limit.



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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/23	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	28/03/2024	Sample Receipt Date	29/03/2024
Analysis Start Date	30/03/2024	Analysis Complete Date	03/04/2024

DETAILS OF STACK

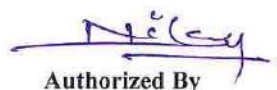
Description	Unit	Result
Stack No.	--	S-6
Stack Attached To	--	Scrubber No .3 (MED)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	°C	39
Velocity of Flue Gases	M/Sec	6.26
Volume of Flue Gases	Nm ³ /Hr	6182
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	7.68
Sulphur Di-Oxide	IS 1255 (part II) – 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	B.D.L (MDL <1)
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.19
Acid Mist	EPA Method	ppm	35	15.50

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
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3) BDL – Below Detectable Limit.




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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/33	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	01/04/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-7
Stack Attached To	--	D.G. Set 1.9 MW (EOU)
Shape	--	Round
Diameter	M	0.8
Height From Ground Level	M	45
Temperature	°C	174
Velocity of Flue Gases	M/Sec	9.86
Volume of Flue Gases	Nm ³ /Hr	11355
Type of Fuel	Kg/Hr.	F.O

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	52.8
Sulphur Di-Oxide	IS 1255 (part II) - 1985	kg/day	864	41.70
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	35.00
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.29
Sulphur Content	---	%	4.5	0.0058

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) BDL - Below Detectable Limit.



Nilesh
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/24/34	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Talaja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	26/03/2024	Sample Receipt Date	27/03/2024
Analysis Start Date	28/03/2024	Analysis Complete Date	01/04/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-8
Attached To	--	D.G. Set 1000 KVA
Shape	--	Round
Diameter	M	0.8
Height From Ground Level	M	33
Temperature	°C	139
Velocity of Flue Gases	M/Sec	9.32
Volume of Flue Gases	Nm ³ /Hr	11548
Type of Fuel	Kg/Hr.	H.S.D

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	47.2
Sulphur Di-Oxide	IS 1255 (part II) - 1985	kg/day	96	14.28
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	27.00
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.15
Sulphur Content	---	%	1.0	0.0019

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

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

3) BDL - Below Detectable Limit.



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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/06/24/386	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	14/06/2024	Sample Receipt Date	15/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	19/06/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-2
Stack Attached To	--	Coal Fire Boiler (5TPH) Cyclone Separator + Bag Filter
Shape	--	Round
Diameter	M	0.4
Height From Ground Level	M	35.0
Temperature	°C	112
Velocity of Flue Gases	M/Sec	6.20
Volume of Flue Gases	Nm ³ /Hr	2170
Type of Fuel	Kg/Hr.	Coal

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	36.00
Sulphur Di-Oxide	IS 1255 (part II) - 1985	kg/day	180	15.50
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	9.75
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.28
Sulphates	EPA Method	ppm	N.A.	0.95
Chloride	EPA-26 A Method	mg/Nm ³	N.A.	0.005
Sulphur Content	---	%	0.5	0.011

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) BDL - Below Detectable Limit.



Authorized By

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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/06/24/378	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	14/06/2024	Sample Receipt Date	15/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	19/06/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-4
Stack Attached To	--	Scrubber No .1 (V-23)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	°C	39
Velocity of Flue Gases	M/Sec	6.11
Volume of Flue Gases	Nm ³ /Hr	5937.14
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	7.04
Sulphur Di-Oxide	IS 1255 (part II) - 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	2.96
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.24
Acid Mist	EPA Method	ppm	35	12.80

NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) BDL - Below Detectable Limit.



Authorized By

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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/06/24/393	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410 208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	19/06/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-5
Stack Attached To	--	Scrubber No .2 (EOU)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	⁰ C	36
Velocity of Flue Gases	M/Sec	6.28
Volume of Flue Gases	Nm ³ /Hr	6162
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	17.70
Sulphur Di-Oxide	IS 1255 (part II) - 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	B.D.L (MDL <1)
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.22
Acid Mist	EPA Method	ppm	35	9.70

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

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

3) BDL - Below Detectable Limit.



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Authorized By

HIGH COD/TDS FACILITY : Plot No. E-133 & P-196, Tarapur MIDC, Boisar, Dist. Palghar - 401506 ☎: 8591159165 / 7304633868
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Sadekar Enviro Engineers Private Limited

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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/06/24/385	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Talaja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	13/06/2024	Sample Receipt Date	14/06/2024
Analysis Start Date	15/06/2024	Analysis Complete Date	19/06/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-6
Stack Attached To	--	Scrubber No.3 (MED)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	°C	38
Velocity of Flue Gases	M/Sec	6.00
Volume of Flue Gases	Nm ³ /Hr	5849
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	5.79
Sulphur Di-Oxide	IS 1255 (part II) - 1985	ppm	50	B.D.L (MDL <1)
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	B.D.L (MDL <1)
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.15
Acid Mist	EPA Method	ppm	35	19.80

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

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

3) BDL - Below Detectable Limit.




Authorized By

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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/06/24/395	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208		
Sample collected by	AA Representative		
Reference	-----		
Date of sampling	17/06/2024	Sample Receipt Date	18/06/2024
Analysis Start Date	19/06/2024	Analysis Complete Date	21/06/2024

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-8
Attached To	--	D.G. Set 1000 KVA
Shape	--	Round
Diameter	M	0.8
Height From Ground Level	M	33
Temperature	°C	146
Velocity of Flue Gases	M/Sec	9.15
Volume of Flue Gases	Nm ³ /Hr	11770
Type of Fuel	Kg/Hr.	H.S.D

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	53.6
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	96	11.40
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	25.00
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.22
Sulphur Content	---	%	1.0	0.0015

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

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

3) BDL – Below Detectable Limit.




Authorized By

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/24/06	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	26/03/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A) (Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Material Gate (V-23)	71.2	68.6	63.7	60.1	65.7
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale

A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

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



Authorized By

OK -
10/04/24

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/24/07	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	26/03/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq [*]
		Max	Min	Max	Min	
1	Gate No.3 (V-23)	69.9	67.7	62.3	58.6	64.5
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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And corresponds to frequency response characteristics of the human hear.

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



Authorized By

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/24/09	Date	04/04/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	26/03/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Near MED Ware House (MED)	70.6	65.4	54.7	48.4	58.3
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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



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REPORT FOR AMBIENT NOISE LEVEL MONITORING						
Report No	SEET/AA/04/24/10	Date	04/04/2024			
Name of Client	M/s GALAXY SURFACTANTS LIMITED					
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208					
Sample collected by	AA Representative					
Date of sampling	26/03/2024					
Duration Of sampling	24 hrs					
Reference	-----					
DAY & NIGHT TIME NOISE LEVEL MONITORING						
Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Admin Gate (EOU)	72.4	68.3	61.2	58.5	65.8
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		
<p>NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured. "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear. Leq: It is the energy mean of the noise level over a specified period.</p>						
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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/06/24/368	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	13/06/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A) (Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Material Gate (V-23)	72.6	69.7	65.1	62.3	67.63
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear.

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




Authorized By

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/06/24/369	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	13/06/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Gate No.3 (V-23)	68.8	66.5	61.4	59.3	62.5
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

A "decibel" is a unit in which noise is measured.

"A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise

And corresponds to frequency response characteristics of the human hear.

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





[Signature]
Authorized By



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REPORT FOR AMBIENT NOISE LEVEL MONITORING						
Report No	SEET/AA/06/24/370				Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED					
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208					
Sample collected by	AA Representative					
Date of sampling	13/06/2024					
Duration Of sampling	24 hrs					
Reference	-----					
DAY & NIGHT TIME NOISE LEVEL MONITORING						
Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Material Gate No. 6 (EOU)	70.3	67.4	63.9	60.5	63.93
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		
<p>NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. A "decibel" is a unit in which noise is measured. "A", in dB (A) Leq, denotes the frequency weighting in the measurement of noise And corresponds to frequency response characteristics of the human hear. Leq: It is the energy mean of the noise level over a specified period.</p>						
				 Authorized By 		

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/06/24/371	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	13/06/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A) (Night Time)		Leq*
		Max	Min	Max	Min	
1	Near MED Ware House (MED)	72.9	68.4	51.3	47.1	65.21
MPCB LIMIT In dB(A) (Day Time)				75		
MPCB LIMIT In dB(A) (Night Time)				70		

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
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And corresponds to frequency response characteristics of the human hear.
Leq: It is the energy mean of the noise level over a specified period.



Authorized By

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/06/24/372	Date	24/06/2024
Name of Client	M/s GALAXY SURFACTANTS LIMITED		
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208		
Sample collected by	AA Representative		
Date of sampling	13/06/2024		
Duration Of sampling	24 hrs		
Reference	-----		

DAY & NIGHT TIME NOISE LEVEL MONITORING

Sr. No	Sampling Location	Noise Levels in dB(A)(Day Time)		Noise Levels in dB(A)(Night Time)		Leq*
		Max	Min	Max	Min	
1	Admin Gate (EOU)	69.8	67.3	60.2	57.5	63.15
MPCB LIMIT In dB(A) (Day Time)					75	
MPCB LIMIT In dB(A) (Night Time)					70	

NOTE: *dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

Unique Application Number:

MPCB-HW_ANNUAL_RETURN-0000049022

Submitted On:

29-06-2024

Industry Type

:

Generator

Submitted for Year:

2024

1. Name of the generator/operator of facility

Galaxy Surfactants Ltd.

Address of the unit/facility

Galaxy Surfactants Ltd., Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, Dist.Raigad PIN no:- 410208

1b. Authorization Number

Format 1.0/BO/CAC-cell/UAN No. MPCB-Consent - 0000157115/CR/2309002288

Date of issue

Sep 28, 2023

Date of validity of consent

Feb 28, 2026

2. Name of the authorised person

Avinash Shinde

Full address of authorised person

Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, Dist.Raigad PIN no:- 410208

Telephone

9867965021

Fax

022-27411702

Email

Galaxy-V23@galaxysurfactants.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	Anionic Surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol Ether Sulphates etc.	85680.0000	71464	MT/A
Chemical ,Petrochemical &Electrochemical	Ethylene Oxide Condensate	60000.0000	37755	MT/A
Chemical ,Petrochemical &Electrochemical	Cationic Surfactants (on 100% AM basis) such as Betains, Quaternary Ammonium Salts etc.	18240.0000	6546	MT/A
Chemical ,Petrochemical &Electrochemical	Sulphosuccinates	720.0000	00	MT/A
Chemical ,Petrochemical &Electrochemical	Surfactant Blends (on 100% AM basis) such as SYNDET Soap Granules/ Noodles, Sparkle Series etc.	15840.0000	2008	MT/A
Chemical ,Petrochemical &Electrochemical	Fatty Acid Esters, Fatty Alkanol Amides and Esterquates	20400.0000	6042	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
1.6 Spent catalyst and molecular sieves	NA	6.000	1.73	MTA
5.1 Used or spent oil	NA	6.000	2.6	KL/Anum
5.2 Wastes or residues containing oil	NA	1.000	1.8	KL/Anum
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	NA	24.000	14.35	KL/Anum
33.2 Contaminated cotton rags or other cleaning materials	NA	1.000	0.38	KL/Anum
35.1 Exhaust Air or Gas cleaning residue	NA	98.400	79.08	KL/Anum
35.3 Chemical sludge from waste water treatment	NA	108.000	61.18	KL/Anum
37.3 Concentration or evaporation residues	NA	180.000	111.77	KL/Anum
Other Hazardous Waste	Conc. Sulphuric Acid	1584.000	431.13	KL/Anum
Other Hazardous Waste	Sodium Sulphate	2160.000	374.089	KL/Anum

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
1.6 Spent catalyst and molecular sieves	1.73	MTA	Disposal Facility	Mumbai Waste Management Ltd.
5.1 Used or spent oil	2.6	MTA	Disposal Facility	Mumbai Waste Management Ltd
5.2 Wastes or residues containing oil	1.8	MTA	Disposal Facility	Mumbai Waste Management Ltd
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	14.35	MTA	Disposal Facility	Mumbai Waste Management Ltd
33.2 Contaminated cotton rags or other cleaning materials	0.38	MTA	Disposal Facility	Mumbai Waste Management Ltd
35.1 Exhaust Air or Gas cleaning residue	79.08	MTA	Disposal Facility	Mumbai Waste Management Ltd
35.3 Chemical sludge from waste water treatment	61.18	MTA	Disposal Facility	Mumbai Waste Management Ltd
37.3 Concentration or evaporation residues	111.77	MTA	Disposal Facility	Mumbai Waste Management Ltd
Other Hazardous Waste	431.13	MTA	Recycler or Actual user	Rama Krishi Rasayan
Other Hazardous Waste	374.089	MTA	Recycler or Actual user	Ansh Enterprises

3. Quantity Utilised in-house,If any

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	00	MTA

4. Quantity in storage at the end of the year

Type of Waste	Name of Waste	Quantity of Waste	UOM
	NA	00	MTA

5. Quantity disposed in landfills as such and after treatment

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

6. Quantity incinerated (if applicable)

UOM
NA
KL/Anum

Personal Details

Place	Date	Designation
Taloja	2024-06-29	General Manager - SHE & Instrument



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

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

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000061698

Submitted Date

30-09-2023

PART A

Company Information

Company Name

Galaxy Surfactants Limited

Application UAN number

UAN No.0000157115

Address

V-23 & Plot No.1, MIDC Taloja, Tal.
Panvel, Dist. Raigad

Plot no

V-23 & 01

Taluka

Panvel

Village

Chal

Capital Investment (In lakhs)

33300.33

Scale

LSI

City

Panvel

Pincode

410208

Person Name

Mr.DEEPAK DIVATE

Designation

Factory Manager

Telephone Number

39215300

Fax Number

27411701

Email

deepak.divate@galaxysurfactants.com

Region

SRO-Taloja

Industry Category

Red

Industry Type

other

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CAC/UAN No.MPCBConsent-0000157115/CR/2309002288

Consent Issue Date

2023-09-28

Consent Valid Upto

2026-02-28

Establishment Year

1980

Date of last environment statement submitted

Sep 27 2022 12:00:00:000AM

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

Product Information

Product Name

Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.

Consent Quantity

85680

Actual Quantity

71381

UOM
MT/A

Ethylene Oxide Condensate

60000

34617

MT/A

Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.

18240

5474

MT/A

Sulphosuccinates

720

0

MT/A

Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.

15840

1764

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Concentrated Sulphuric Acid	1584	444.45	MT/A
Sodium Sulphate	2160	169.22	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	320.00	170.58
Domestic	380.00	211.24
All others	65.00	34.00
Total	20.00	10.65
	785.00	426.47

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	184.00	153.00	CMD
Domestic Effluent	60.00	28.00	CMD

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

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	0.0023	0.0023	CMD
Ethylene Oxide Condensate	0.0050	0.0049	CMD
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	0.0259	0.0311	CMD
Sulphosuccinates	0	0	CMD
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	0.1020	0.0967	CMD
Fatty Acid Esters, Fatty alkanol amides and esterquats.	0.0272	0.030	CMD
Conc. Sulphuric Acid (By Product)	0.22	0.252	CMD
Sodium Sulphate 20-25 % solution , MT/ M (By Product)	0.177	0.5611	CMD

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

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Ethylene Oxide	0.265	0.272	MT/A
Caustic Lye	0.288	0.269	MT/A
Fatty Alcohol	0.630	0.641	MT/A
Sulphur	0.105	0.099	MT/A
CFA	0.428	0.467	MT/A
DMAPA	0.262	0.246	MT/A

MCA	0.242	0.228	MT/A
MEA	0.116	0.141	MT/A
MEG	0.063	0.051	MT/A
Stearic Acid	0.445	0.431	MT/A
Fatty Alcohol Ethoxylates	0.068	0.007	MT/A
Hydrogen Peroxide	0.001	0.001	MT/A
DMLA	0.0	0.0	MT/A
Starch	0.017	0.018	MT/A
Citric Acid	0.004	0.0043	MT/A
Cetostearyl Alcohol	0.118	0.107	MT/A
Ammonia	0.009	0.007	MT/A
Cetyl Alcohol (C16-95%)	0.0008	0.0	MT/A
Lauric Acid	0.0882	0.0829	MT/A
Maltodextrin	0.1518	0.1400	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	6570	3846.062	MT/A
FO	6762.72	284.006	MT/A
HSD	1752	21.38	KL/A

Part-C

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

[A] Water

<i>Pollutants Detail</i>	<i>Quantity of Pollutants discharged (kL/day)</i>	<i>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</i>	<i>Percentage of variation from prescribed standards with reasons</i>		
	<i>Quantity</i>	<i>Concentration</i>	<i>%variation</i>	<i>Standard</i>	<i>Reason</i>
pH	0	7.60	-	NA	ZLD
BOD	0	1.0	--	NA	ZLD
COD	0	14.00	--	NA	ZLD
Oil & Grease	0	0.2	--	NA	ZLD
Suspended Solids	0	5	--	NA	ZLD
Total Dissolved Solids	0	68	--	NA	ZLD
Sulphates	0	6.30	--	NA	ZLD
Chlorides	0	11.80	--	NA	ZLD
Total Ammonical Nitrogen	0	0.1	--	NA	ZLD
Total Kjeldhal Nitrogen	0	0.5	--	NA	ZLD
Sodium	0	1	--	NA	ZLD
Free Ammonia	0	0.1	--	NA	ZLD

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
TPM - (S-6 MED)	0	15.2	89.86	150	Within MPCB norms
TPM - (S1 2.5 TPH)	0	56.8	62.13	150	Within MPCB norms
SO2 - (S1 2.5 TPH)	21.5	0	96.68	648	Within MPCB norms
TPM - (S2 5 TPH)	0	48.5	67.66	150	Within MPCB norms
SO2- (S2 5 TPH)	10.35	0	94.25	180	Within MPCB norms
TPM- (Thermopac)	0	54.7	63.53	150	Within MPCB norms
TPM- (SO2)	18.55	0	88.10	156	Within MPCB norms
TPM- (V-23 Scrubber No.1)	0	16.55	88.96	150	Within MPCB norms
TPM- (EOU Scrubber No.2)	0	15.8	89.46	150	Within MPCB norms
TPM - (D.G Set 1.9 MW)	0	60.8	59.46	150	Within MPCB norms
SO2 - (D.G Set 1.9 MW)	34.5	0	96.00	864	Within MPCB norms
TPM - (D.G Set 1000 KVA)	0	53.7	64.2	150	Within MPCB norms
SO2 - (D.G Set 1000 KVA)	10.85	0	88.69	96	Within MPCB norms

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	5.04	3.57	MT/A
1.6 Spent catalyst and molecular sieves	2.42	2.15	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	13.03	13.34	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.11	0.54	MT/A
5.2 Wastes or residues containing oil	3.73	0.65	MT/A
Other Hazardous Waste	0	230.949	MT/A
Other Hazardous Waste	0	91.583	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
37.2 Ash from incinerator and flue gas cleaning residue	82.71	74.2	MT/A
35.3 Chemical sludge from waste water treatment	71.36	76.34	MT/A
37.3 Concentration or evaporation residues	75.77	87.07	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Waste Paper/ paper bags	46.422	62.386	MT/A

Corrugated Box	0.13	0.15	MT/A
Broken Glass	1.45	2.67	MT/A
Used decontaminated drums	5705	6097	Nos./Y
Plastic/HDPE decontaminated bags	8.459	15.35	MT/A
Flexi bags	1271	1843	Nos./Y
Filter elements	0.0	0	Nos./Y
Wooden scrap	86.57	113.78	MT/A
Non contaminated Plastic	13.649	3.388	MT/A
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	17.88	17.76	MT/A
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	1.58	5.27	MT/A
Miscellaneous waste (Tyre, V belt, Welding rod, etc)	0	1.27	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash (Coal Fired boiler)	413.48	401.19	MT/A

3) Quantity Recycled or Re-utilized within the unit

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

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	3.57	MT/A	Disposed to MWML
1.6 Spent catalyst and molecular sieves	2.15	MT/A	Disposed to MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	13.34	MT/A	Disposed to MWML
33.2 Contaminated cotton rags or other cleaning materials	0.54	MT/A	Disposed to MWML
5.2 Wastes or residues containing oil	0.65	MT/A	Disposed to MWML
37.2 Ash from incinerator and flue gas cleaning residue	74.2	MT/A	Disposed to MWML
35.3 Chemical sludge from waste water treatment	76.34	MT/A	Disposed to MWML
37.3 Concentration or evaporation residues	87.07	MT/A	Disposed to MWML
Other Hazardous Waste	230.949	MT/A	Concentrated Sulphuric Acid (Sale toRecycler)
Other Hazardous Waste	91.583	MT/A	Sodium Sulphate (Sale to recycler)

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Waste Paper/ paper bags	62.386	MT/A	100% Sale to authorized party
Corrugated Box	0.15	MT/A	100% Sale to authorized party

Broken Glass	2.67	MT/A	100% Sale to authorized party
Used decontaminated drums	6097	Nos./Y	100% Sale to authorized party
Plastic/HDPE decontaminated bags	15.35	MT/A	100% Sale to authorized party
Flexi bags	1843	Nos./Y	100% Sale to authorized party
Filter elements	0.0	Nos./Y	100% Sale to authorized party
Wooden scrap	113.78	MT/A	100% Sale to authorized party
Boiler Ash (Coal Fired boiler)	401.19	MT/A	100% Sale to authorized party
Non-contaminated Plastic	3.388	MT/A	100% Sale to authorized party
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	17.76	MT/A	100% Sale to authorized party
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	5.27	MT/A	100% Sale to authorized party
Miscellaneous waste (Tyre, V belt, Welding rod, etc)	1.27	MT/A	100% Sale to authorized party

Part-G

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
RO Plant Operation for ETP	130	0	0	0	45	0

Part-H

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

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
ETP With ZLD SYSTEM	NA	40

<u>[B] Investment Proposed for next Year</u>		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
O & M of pollution control system & compliance of consent conditions	Air & Water abatement	200

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Planted 105 trees in plant premises

Name & Designation

Mr.Deepak Divate - Factory Manager

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000061698

Submitted On:

30-09-2023