



Global Supplier to Global Brands

Galaxy Surfactants Ltd.

31.7.2023

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 2023 to June 2023, 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, Taloja
& Plot No. 1, Village: Chal
Near Taloja Ind. Area,
Tal : Panvel, Dist. Raigad.
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Website : www.galaxysurfactants.com

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE
(Period: January 2023 – June 2023)**

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. Parnel, 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.

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 conform 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 1239 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 14 th , 15 th & 16 th March, 2023) 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 viz Sulphuric & 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. 	<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 recycled into process to the extent possible.</p>

	<ul style="list-style-type: none"> Maximizing recoveries. 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 30.05.2023																																																																
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 01.02.2023 to review the environment related compliances.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Names</th> <th>Dept</th> <th>Designation</th> </tr> </thead> <tbody> <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> </tbody> </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.																																																																
23	Separate silos will be provided for collecting and storing bottom ash and fly ash.	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.																																																																

		This area is completely isolated & covered from all sides to avoid any interference.									
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.	<p>During this period, we incurred expenditure of Rs. 2.50 lacs (approx.) for details given in the table below</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Description of Project</th> <th>Investment Cost in INR</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>ETP Maintenance</td> <td>2,50,000</td> </tr> <tr> <td colspan="2" style="text-align: center;">TOTAL</td> <td>2,50,000</td> </tr> </tbody> </table>	Sr. No.	Description of Project	Investment Cost in INR	1	ETP Maintenance	2,50,000	TOTAL		2,50,000
Sr. No.	Description of Project	Investment Cost in INR									
1	ETP Maintenance	2,50,000									
TOTAL		2,50,000									
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	EC copy published on website of the Company.									

	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.	
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	<p>Environment statement for the year 2021-2022 submitted online with the MPCB website on 27.09.2022</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>



	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.	
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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

Annexure A (Collectively)



Sadekar Enviro Engineers Pvt. Ltd.

B-306/307, Plot No. 61, Patal Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101.
Goa State, India. ☎ : (0832) 2411322 / 2411323 • E-mail : starlabgoa@rediffmail.com

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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/04/23/14	Date	04/04/2023	
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	23/03/2023	Sample Receipt Date	24/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	01/04/2023	
AMBIENT AIR STATION				
Location of H.V.S.	Near Admin Gate (EOU)	Lateral Distance	5.0 Mtr. From Admin Gate (EOU)	
Ambient Temperature	32.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	52.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	29.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	33.00	80	IS 5182(part 2)2001 (RA 2017)
Oxide of Nitrogen (NO _x)	µg/m ³	24.00	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	0.48	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
<p>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.</p>				
				<p><i>nehapdekar</i> Authorized By</p>

OK
 27/04/23

HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Waghe Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/04/23/13	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	01/04/2023	
AMBIENT AIR STATION				
Location of H.V.S.	Near MED Ware House (MED)	Lateral Distance	5.0 Mtr. From MED Ware House	
Ambient Temperature	32.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	41.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	22.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	16.40	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	8.90	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	0.14	02	IS 5182(part 10)1999 (RA 2014)
Ammonia (NH ₃)	µg/m ³	BDL(MDL<0.02)	400	MASA-401 3 rd Ed
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TOP
S-1
27/04/23

HEAD OFF. & LAB : 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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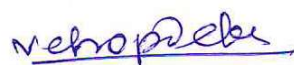


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B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Belim Road, Bardez, Porvorim, Panaji-Goa-403 101.
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/04/23/12	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	01/04/2023	
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	32.8 ^o C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	59.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	37.00	60	CPCB Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m ³	36.50	80	IS 5182(part 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m ³	27.00	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	0.68	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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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/04/23/11	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	01/04/2023	
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	32.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	54.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	33.00	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	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	0.75	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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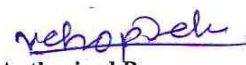


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ANALYSIS REPORT FOR AMBIENT AIR SURVEILLANCE				
Report No	SEET/AA/04/23/10	Date	04/04/2023	
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208			
Sample collected by	AA Representative	Duration of sampling	24 Hrs	
Reference	-----			
Date of sampling	23/03/2023	Sample Receipt Date	24/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	01/04/2023	
AMBIENT AIR STATION				
Location of H.V.S.	Near Material Gate (V-23)	Lateral Distance	5.0 Mtr. From Material Gate	
Ambient Temperature	32.8°C	Receptor Distance	1.5 Mtr. From Ground Level	
POLLUTIONAL PARAMETERS				
Parameters	Units	Result	NAAQS Limits	Method
Particulate Matter PM ₁₀	µg/m ³	60.00	100	Instr.Manual version 2.01
Particulate Matter PM _{2.5}	µg/m ³	38.00	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	22.00	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	0.65	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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Annexure B (collectively)

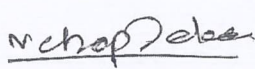


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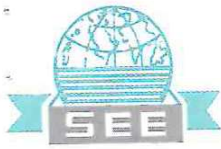
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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/23/45	Date	04/04/2023	
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208			
Sample collected by	AA Representative			
Reference	-----			
Date of sampling	23/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
DETAILS OF STACK				
Description	Unit	Result		
Stack No.	--	S-1		
Stack Attached To	--	Oil Fire Boiler No.1 & 2(2.5 TPH)		
Shape	--	Round		
Diameter	M	0.8		
Height From Ground Level	M	33.3		
Temperature	°C	167		
Velocity of Flue Gases	M/Sec	8.90		
Volume of Flue Gases	Nm ³ /Hr	10902		
Type of Fuel	Kg/Hr.	F.O./L.D.O- 179		
POLLUTION PARAMETERS				
PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	52.7
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	648	19.4
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	24.25
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.27
Sulphur Content	---	%	4.5	0.0028
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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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, MIDC. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/23/43	Date	04/04/2023
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	23/03/2023	Sample Receipt Date	25/03/2023
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-1
Stack Attached To	--	Oil Fire Boiler No.1 (2.5 TPH)
Shape	--	Round
Diameter	M	0.8
Height From Ground Level	M	33.3
Temperature	°C	148
Velocity of Flue Gases	M/Sec	8.40
Volume of Flue Gases	Nm ³ /Hr	10753
Type of Fuel	Kg/Hr.	F.O./L.D.O- 179

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	56.8
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	648	21.5
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	27.60
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.27
Sulphur Content	---	%	4.5	0.0031

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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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/23/44	Date	04/04/2023
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	23/03/2023	Sample Receipt Date	25/03/2023
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023

DETAILS OF STACK

Description	Unit	Result
Stack No.	--	S-1
Stack Attached To	--	Oil Fire Boiler No. 2(2.5 TPH)
Shape	--	Round
Diameter	M	0.8
Height From Ground Level	M	33.3
Temperature	°C	163
Velocity of Flue Gases	M/Sec	9.33
Volume of Flue Gases	Nm ³ /Hr	11533
Type of Fuel	Kg/Hr.	F.O./L.D.O – 179

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	51.6
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	648	22.7
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	25.50
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.28
Sulphur Content	---	%	4.5	0.0031

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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TOP -
5/1
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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/23/32	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
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	162		
Velocity of Flue Gases	M/Sec	8.54		
Volume of Flue Gases	Nm ³ /Hr	2645		
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	48.5
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	180	10.35
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	--	9.70
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.18
Sulphates	EPA Method	ppm	N.A.	1.0
Chloride	EPA-26 A Method	mg/Nm ³	N.A.	0.009
Sulphur Content	---	%	0.5	0.0061
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.				
		 <u>nehopDebas</u> Authorized By		

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27/04/23

HEAD OFF. & LAB : 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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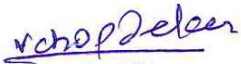


Sadekar Enviro Engineers Pvt. Ltd.

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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/23/33	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
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	167		
Velocity of Flue Gases	M/Sec	9.56		
Volume of Flue Gases	Nm ³ /Hr	2927		
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	54.7
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	156	18.55
Oxide of Nitrogen	IS 11255 (part 7)-2005	Ppm	--	13.25
Carbon Dioxide	IS 307 :1966	mg/m ³	--	0.38
Sulphur Content	---	%	4.5	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.				
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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/23/24	Date	04/04/2023
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	24/03/2023	Sample Receipt Date	25/03/2023
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023

DETAILS OF STACK

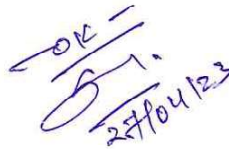
Description	Unit	Result
Stack No.	--	S-4
Stack Attached To	--	Scrubber No .1 (V-23)
Shape	--	Round
Diameter	M	0.6
Height From Ground Level	M	30
Temperature	°C	36
Velocity of Flue Gases	M/Sec	6.57
Volume of Flue Gases	Nm ³ /Hr	6446
Type of Fuel	--	---

POLLUTION PARAMETERS

PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	15.8
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	2.10
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.12
Acid Mist	EPA Method	ppm	35	13.40

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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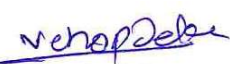


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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/23/39	Date	04/04/2023	
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410 208			
Sample collected by	AA Representative			
Reference	-----			
Date of sampling	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
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	35		
Velocity of Flue Gases	M/Sec	5.67		
Volume of Flue Gases	Nm ³ /Hr	5545		
Type of Fuel	--	---		
POLLUTION PARAMETERS				
PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	35.2
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	0.16
Acid Mist	EPA Method	ppm	35	15.60
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/04/23/31	Date	04/04/2023	
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	24/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
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	35		
Velocity of Flue Gases	M/Sec	6.75		
Volume of Flue Gases	Nm ³ /Hr	6644		
Type of Fuel	--	---		
POLLUTION PARAMETERS				
PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-1985	mg/Nm ³	150	15.2
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	0.17
Acid Mist	EPA Method	ppm	35	16.65
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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04/04/23
27/04/23

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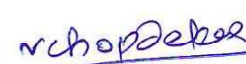


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ANALYSIS REPORT FOR STACK EMISSION				
Report No	SEET/AA/04/23/41	Date	04/04/2023	
Name of Client	M/s GALAXY SURFACTANTS LIMITED			
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208			
Sample collected by	AA Representative			
Reference	-----			
Date of sampling	25/03/2023	Sample Receipt Date	25/03/2023	
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023	
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	185		
Velocity of Flue Gases	M/Sec	9.76		
Volume of Flue Gases	Nm ³ /Hr	11485		
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	60.8
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	864	34.5
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	32.7
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.30
Sulphur Content	---	%	4.5	0.0047
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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S-7
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ANALYSIS REPORT FOR STACK EMISSION

Report No	SEET/AA/04/23/42	Date	04/04/2023
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	25/03/2023	Sample Receipt Date	25/03/2023
Analysis Start Date	27/03/2023	Analysis Complete Date	29/03/2023

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	160
Velocity of Flue Gases	M/Sec	9.76
Volume of Flue Gases	Nm ³ /Hr	12148
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	53.7
Sulphur Di-Oxide	IS 1255 (part II) – 1985	kg/day	96	10.85
Oxide of Nitrogen	IS 11255 (part 7)-2005	ppm	NA	24.45
Carbon Dioxide	IS 307 :1966	mg/m ³	NA	0.22
Sulphur Content	---	%	1.0	0.0014

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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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/23/15	Date	04/04/2023
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	23/03/2023		
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	69.4	61.2	60.3	64.8
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.

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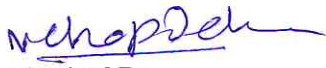


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REPORT FOR AMBIENT NOISE LEVEL MONITORING						
Report No	SEET/AA/04/23/16	Date	04/04/2023			
Name of Client	M/s GALAXY SURFACTANTS LIMITED					
Address of Client	Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad – 410208					
Sample collected by	AA Representative					
Date of sampling	24/03/2023					
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)	68.2	67.4	61.1	59.8	61.8
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>						
						 Authorized By

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57
24/04/23

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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/23/17	Date	04/04/2023
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	24/03/2023		
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)	66.4	65.2	63.4	62.2	64.9
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.


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REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/23/18	Date	04/04/2023
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	24/03/2023		
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 indB(A) (Night Time)		Leq*
		Max	Min	Max	Min	
1	Near MED Ware House (MED)	68.2	67.4	53.2	52.3	58.9
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.



V Chopdekar
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HEAD OFF. & LAB : Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State, India.

(T) : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

Gazetted by Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E)

BRANCH OFF. : 310, Dempo Towers, EDC Palto, Panaji-403 001. Goa State, India (T) : (0832) 2437048 / 2437164

E-mail : sadekarenviro@rediffmail.com • Website : www.sadekarenviro.com • CIN - U45209MH1998PTC-116379



Sadekar Enviro Engineers Pvt. Ltd.

B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Belim Road, Bardez, Porvorim, Panaji-Goa- 403 101.
Goa State, India. ☎ : (0832) 2411322/ 2411323 • E-mail : starlabgoa@rediffmail.com

SAVE WATER
SAVE LIFE

Lab accredited by MoEF & CC Valid up to 03.11.2023 ★ Certified by ISO 9001:2015 & ISO 45001 : 2018

REPORT FOR AMBIENT NOISE LEVEL MONITORING

Report No	SEET/AA/04/23/19	Date	04/04/2023
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	23/03/2023		
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)	66.2	64.8	64.1	62.8	63.8
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.



v chopdekar

Authorized By

20/4/23
24/04/23

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

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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2022

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000047982

Submitted Date

27-09-2022

PART A

Company Information

Company Name

Galaxy Surfactants Limited

Application UAN number

UAN No.0000085185

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)

31615.24

Scale

LSI

City

Panvel

Pincode

410208

Person Name

Mr. Seshu

Designation

Head Conversion

Telephone Number

39215300

Fax Number

27411701

Email

seshu@galaxysurfactants.com

Region

SRO-Taloja

Industry Category

Red

Industry Type

other

Last Environmental statement submitted online

yes

Consent Number

FORMAT1.0/CAC/UAN
No.0000085185/CR-2007000092

Consent Issue Date

01/07/2020

Consent Valid Upto

28/02/2022

Establishment Year

1980

Date of last environment statement submitted

Sep 22 2021 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

63146

UOM
MT/A

Ethylene Oxide Condensate

60000

29126

MT/A

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

18240

5662

MT/A

Sulphosuccinates

720

0

MT/A

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

15840

1442

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Conc. Sulphuric Acid	1584	670	MT/A
Sodium Sulphate 20-25 % solution , Solids 37.5 MT/ M	2160	832	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	147.21
Domestic	380.00	174.81
All others	65.00	29.90
Total	20.00	9.20
	785.00	361.12

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	184.00	145.65	CMD
Domestic Effluent	60.00	27.6	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.	0.0066	0.0023	CMD
Ethylene Oxide Condensate	0.011	0.0050	CMD
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	0.070	0.0259	CMD
Sulphosuccinates	0	0	CMD
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	0.385	0.1020	CMD
Fatty Acid Esters, Fatty alkanol amides and esterquats.	0.066	0.0272	CMD
Conc. Sulphuric Acid (By Product)	0.65	0.22	CMD
Sodium Sulphate 20-25 % solution , MT/ M (By Product)	0.036	0.177	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	0.261	0.265	MT/A
Caustic Lye	0.284	0.288	MT/A
Fatty Alcohol	0.691	0.630	MT/A
Sulphur	0.104	0.105	MT/A
CFA	0.450	0.428	MT/A
DMAPA	0.254	0.262	MT/A

MCA	0.241	0.242	MT/A
MEA	0.130	0.116	MT/A
MEG	0.054	0.063	MT/A
Stearic Acid	0.445	0.531	MT/A
Fatty Alcohol Ethoxylates	0.011	0.068	MT/A
Hydrogen Peroxide	0.01	0.001	MT/A
DMLA	0.0	0.0	MT/A
Starch	0.013	0.017	MT/A
Citric Acid	0.005	0.004	MT/A
Cetostearyl Alcohol	0.005	0.118	MT/A
Ammonia	0.011	0.009	MT/A
Cetyl Alcohol (C16-95%)	0.0005	0.0008	MT/A
Lauric Acid	0	0.0882	MT/A
Maltodextrin	0	0.1518	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	6570	3773.5	MT/A
FO	6762.72	322.45	MT/A
HSD	1752	15.91	KL/A

Part-C

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
pH	0	6.96	-	6.0 - 8.5	Within MPCB norms
BOD	0	1.0	99	100	Within MPCB norms
COD	0	2.76	0	250	Within MPCB norms
Oil & Grease	0	0.2	98	10	Within MPCB norms
Suspended Solids	0	5	95	100	Within MPCB norms
Total Dissolved Solids	0	73	96.52	2100	Within MPCB norms
Sulphates	0	39	96.1	1000	Within MPCB norms
Chlorides	0	14	97.66	600	Within MPCB norms
Total Ammonical Nitrogen	0	0.1	99.80	50	Within MPCB norms
Total Kjeldhal Nitrogen	0	0.5	99.50	100	Within MPCB norms
Sodium	0	1	98.33	60%	Within MPCB norms
Free Ammonia	0	0.1	99.90	100	Within MPCB norms

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
TPM - (S-6 MED)	0	27.3	81.8	150	Within MPCB norms
TPM - (S1 2.5 TPH)	0	70.7	52.86	150	Within MPCB norms
SO2 - (S1 2.5 TPH)	27.2	0	95.80	648	Within MPCB norms
TPM - (S2 5 TPH)	0	46.2	69.2	150	Within MPCB norms
SO2- (S2 5 TPH)	8.24	0	95.42	180	Within MPCB norms
TPM- (Thermopac)	0	98.60	34.26	150	Within MPCB norms
TPM- (SO2)	10.20	0	93.46	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	14.5	90.33	150	Within MPCB norms
TPM - (D.G Set 1.9 MW)	0	64.5	57	150	Within MPCB norms
SO2 - (D.G Set 1.9 MW)	26.5	0	96.93	864	Within MPCB norms
TPM - (D.G Set 1000 KVA)	0	52.6	64.93	150	Within MPCB norms
SO2 - (D.G Set 1000 KVA)	11.20	0	88.33	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	5.560	5.04	MT/A
1.6 Spent catalyst and molecular sieves	0.71	2.42	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	16.78	13.03	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.0	0.11	MT/A
5.2 Wastes or residues containing oil	0.83	3.73	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	77.97	82.71	MT/A
35.3 Chemical sludge from waste water treatment	64.37	71.36	MT/A
37.3 Concentration or evaporation residues	91.05	75.77	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	48.294	46.422	MT/A
Corrugated Box	0.0	0.13	MT/A
Broken Glass	1.99	1.45	MT/A

Used decontaminated drums	4471	5705	Nos./Y
Plastic/HDPE decontaminated bags	16.156	8.459	MT/A
Flexi bags	1735	1271	Nos./Y
Filter elements	0.0	0	Nos./Y
Wooden scrap	114.58	86.57	MT/A
Non contaminated Plastic	16.098	13.649	MT/A
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	14.46	17.88	MT/A
Wooden scrap	11.8	86.57	MT/A
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	1.2	1.58	MT/A
Miscellaneous waste (Tyre, V belt, Welding rod, etc)	0	0	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)	331.26	413.48	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	5.04	MT/A	Disposed to MWML
1.6 Spent catalyst and molecular sieves	2.42	MT/A	Disposed to MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	13.03	MT/A	Disposed to MWML
33.2 Contaminated cotton rags or other cleaning materials	0.11	MT/A	NA
5.2 Wastes or residues containing oil	3.73	MT/A	NA
37.2 Ash from incinerator and flue gas cleaning residue	82.71	MT/A	Disposed to MWML
35.3 Chemical sludge from waste water treatment	71.36	MT/A	Disposed to MWML
37.3 Concentration or evaporation residues	75.77	MT/A	Disposed to MWML

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Waste Paper/ paper bags	46.422	MT/A	100% Sale to authorized party
Corrugated Box	0.13	MT/A	NA
Broken Glass	1.45	MT/A	100% Sale to authorized party
Used decontaminated drums	5705	Nos./Y	100% Sale to authorized party
Plastic/HDPE decontaminated bags	13.649	MT/A	100% Sale to authorized party

Flexi bags	1271	Nos./Y	100% Sale to authorized party
Filter elements	0.0	Nos./Y	NA
Wooden scrap	86.57	MT/A	100% Sale to authorized party
Boiler Ash (Coal Fired boiler)	413.48	MT/A	100% Sale to authorized party
Non-contaminated Plastic	8.459	MT/A	100% Sale to authorized party
Insulation Waste (LRB, PUF, Calcium Silicate, Nitrile rubber, Cerawool, Asbestos Rope, etc)	17.88	MT/A	100% Sale to authorized party
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	1.58	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

[B] Investment Proposed for next Year

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	400

Part-I

Any other particulars for improving the quality of the environment.

Particulars

Planted 95 trees in plant premises

Name & Designation

Mr. Seshu, Head Conversion

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000047982

Submitted On:

27-09-2022



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-0000039395

Submitted On:

28-06-2023

Industry Type :

Generator

Submitted for Year:

April 2022 to March 2023

1. Name of the generator/operator of facility

Galaxy Surfactants Ltd

Address of the unit/facility

Plot No. V-23 MIDC Taloja and Plot No. 01, Village Chal, Tal. Panvel, Dist. Raigad, Pin Code - 410208

1b. Authorization Number

Format 1.0/CAC/UAN No. MPCB-Consent-0000128187/CR/2211000722

Date of issue

Nov 10, 2022

Date of validity of consent

Feb 28, 2023

2. Name of the authorised person

Avinash Shinde

Full address of authorised person

Plot No. V-23 MIDC Taloja and Plot No. 01, Village Chal, Tal. Panvel, Dist. Raigad, Pin Code - 410208

Telephone

02239215300

Fax

02227411702

Email

avinash.shinde@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	67051	MT/A
Chemical ,Petrochemical &Electrochemical	Ethylene Oxide Condensate	60000.0000	34549	MT/A
Chemical ,Petrochemical &Electrochemical	Cationic Surfactants (on 100% AM basis) such as Betains, Quaternary Ammonium Salts etc.	18240.0000	5170	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	1766	MT/A
Chemical ,Petrochemical &Electrochemical	Fatty Acid Esters, Fatty Alkanol Amides and Esterquates	20400.0000	5522	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	Spent Catalyst and molecular sieves	6.000	2.15	MTA

5.1 Used or spent oil	Used or Spent Oil	6.000	3.57	MTA
5.2 Wastes or residues containing oil	Wastes or Residues containing Oil	1.000	0.65	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	24.000	13.34	MTA
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	1.000	0.54	MTA
35.1 Exhaust Air or Gas cleaning residue	Exhaust Air or Gas cleaning residue	98.400	74.2	MTA
35.3 Chemical sludge from waste water treatment	Chemical Sludge from waste treatment plant	108.000	76.34	MTA
37.3 Concentration or evaporation residues	Concentration or evaporation residues	180.000	87.07	MTA
Other Hazardous Waste	Concentrated Sulphuric Acid	1584.000	692	MTA
Other Hazardous Waste	Sodium Sulphate	2160.000	330	MTA

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
1.6 Spent catalyst and molecular sieves	2.15	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd.
5.1 Used or spent oil	3.57	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
5.2 Wastes or residues containing oil	0.65	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	13.34	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
33.2 Contaminated cotton rags or other cleaning materials	0.54	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
35.1 Exhaust Air or Gas cleaning residue	74.2	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
35.3 Chemical sludge from waste water treatment	76.34	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
37.3 Concentration or evaporation residues	87.07	KL/Anum	Disposal Facility	Mumbai Waste Management Ltd
Other Hazardous Waste	692	KL/Anum	Recycler or Actual user	Rama Krishi Rasayan
Other Hazardous Waste	330	KL/Anum	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

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

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

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

1. Quantity of waste received during the year					
Waste Name/Category	Country Name	State Name	Quantity of waste received from domestic sources	Quantity of waste imported(If any)	Units
NA	India	Maharashtra	NA	NA	KL/Anum
2. Quantity in stock at the beginning of the year					
Waste Name/Category			Quantity	UOM	
NA			NA	KL/Anum	
3. Quantity of waste recycled or co-procesed or used					
Name of Waste	Type of Waste		Quantity	UOM	
NA	NA		NA	KL/Anum	
4. Quantity of products dispatched (wherever applicable)					
Name of product	Quantity	UOM			
NA	NA	KL/Anum			
5. Total quantity of waste generated					
Waste name/category	quantity	UOM			
NA	NA	KL/Anum			
6. Total quantity of waste disposed					
Waste name/category	quantity	UOM			
NA	NA	KL/Anum			
7. Total quantity of waste re-exported (If Applicable)					
Waste name/category	quantity	UOM			
NA	NA	KL/Anum			

8. Quantity in storage at the end of the year

Waste name/category	quantity	UOM
NA	NA	KL/Anum

9. Quantity disposed in landfills as such and after treatment

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

10. Quantity incinerated (if applicable)

	UOM
NA	KL/Anum

Personal Details

Place	Date	Designation
Taloja	2023-06-28	General Manager - SHE/Instrumentation Process