



Global Supplier to Global Brands

Galaxy Surfactants Ltd.

28.07.2023

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

Dear Sir,

Subject: Compliance report of Environment Clearance

Ref : SEIAA Letter No.: SEIAA-EC-0000000268 dated 04.05.2018

Please find attached half yearly compliance report from January 2023 to June 2023, in compliance of Condition of our Environment Clearance letter dated 04.05.2018.

Kindly acknowledge receipt of this letter with its enclosure.

Thanking you,
Cordially yours,

For Galaxy Surfactants Limited

Rajesh Khatavkar
Sr. Manager – Conversion Process

SUB REGIONAL OFFICE
M. P. C. BOARD
M.I.D.C. COLONY COMPOUND
TARAPUR 401 504.
TAL. & DIST.- PALGHAR

Encl: As above

- CC : 1. Maharashtra Pollution Control Board
Sub Regional Office Tarapur-I, MIDC office compound
Tarapur, Post : TAPS, Boisar (W), Tal.Dist. Palghar 401504
2. Ministry of Environment and Forest, Climate Change
Regional Office (WCZ), Ground Floor,
East Wing, New Secretariat Building, Civil Line, Nagpur-440001
through email id: ecompliance-mh@gov.in
3. Central Pollution Control Board
Parivesh Bhavan, Opp. VMC Ward Office No.10, Subhanpura
Vadodara – 390023, Gujarat

Factory Address: Plot No.G-59,
Tarapur MIDC, Taluka Palghar,
Post, Boisar-401 506
Maharashtra

Regd. Office :

C-49/2, TTC Industrial Area, Pawne,
Navi Mumbai - 400 703, India.
CIN No. : U39877MH1986PLC039877
Tel : + 91-22-65134444 / 27616666
Fax : + 91-22-27615883 / 27615886
E-mail : galaxy@galaxysurfactants.com
Website : www.galaxysurfactants.com

CIN L39877MH1986PLC039877
Email id galaxy@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.G-59, Tarapur MIDC, Taluka Palghar

Reference: Environment clearance vide letter no. SEIAA-EC-0000000268 dated 04.05.2018.

Products :

Sr. No.	Name of the product	Production QTY. (MT/Month)
1	Fatty Alcohol Sulphate/Sulfosuccinate (powder/needles)- on 100% basis	100
2	Fatty Alcohol Sulphate(Colour Needles)- on 100% basis	200
3	Fatty Alcohol Sulphate (Liquid)- on 100% basis	48
4	Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quaternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quaternary ammonium compounds and surfactant blends	2083
5	Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters	416
6	Sunscreens	625
7	Rec-Acetic Acid (on 100% basis)	70
8	Rec. Methanol	15
9	HCl Solution (Approx.30%)	175
10	Sodium bisulfite solution/Sodium bisulfate/Sodium sulphite (Approx 30%)	250
11	Sodium Chloride (on 100% basis)	25

Status of compliance of the Conditions stipulated in our Environment Clearance dated 04.05.2018.

Sr.No.	Conditions	Compliance Status
I	The Environment Clearance is issued subject to condition that PP to achieve Zero Liquid Discharge; PP shall ensure that there is no increase in the effluent load to CETP.	1 No trade effluent discharge in respect of existing production. 2. We will abide by the above referred EC condition.
II	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	No additional land acquired.
III	PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers is being carried out on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month of Feb, March 2023. Next Health checkup is due in August 2023
IV	Proper Housekeeping programmers shall be implemented.	We are maintaining proper housekeeping within premises.
V	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.
VI	A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollution from DG Set (If applicable).	Existing :- Complied Expansion:- Complied
VII	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	We have procured necessary material for starting Rainwater harvesting system and will be completed by 30th Sept. 2023.
VIII	Arrangement shall be made that effluent and storm water does not get mixed.	Separate arrangements are made for effluent and storm water.
IX	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.	The project is a Zero Liquid Discharge (ZLD) Unit. Entire effluent is reused by recycling through ETP with Primary, Secondary & Tertiary treatment with RO & MEE & ATFD. We will not use ground water in our process.

X	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. The operating personnel use protective equipment like earmuff and earplug.
XI	The overall noise levels in and around the plant are shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.	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.
XII	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.	Total 370 numbers of trees and shrubs are planted around the plant periphery. 30 Tree plants have been planted in the month of June,2023. Total 400 numbers of trees and shrubs are planted in the plant areas now. Additional plantation will be done between July and August ,2023 and will be maintained in future and we will keep you updated about the same through subsequent reports.
XIII	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.
XIV	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per Factories Act.	We have separate SHE department to take care of health and safety of the people working in the unit. We conduct monthly meeting monitoring health and safety of the people. Half yearly health checkup of workers are done on regular basis and the records are maintained as per Factories Act. Half yearly Health checkup completed in the month Feb, March 2023. Next Health checkup is due in August 2023.
XV	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. Jumpers and sprinklers installed.-Complied.
XVI	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous waste 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.	We have complied with the rules and regulations with regard to handling and disposal of Hazardous Waste in accordance with the rules. MPCB has authorized us for disposal of Hazardous Waste to authorized vendors.

		<p>We have obtained membership of Mumbai Waste Management Limited (MWML)</p> <p>We maintain the record for hazardous waste generation & disposal in Form 3 and submit the Annual return in Form 4 to MPCB.</p>
XVII	Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.	On-site emergency management plan prepared. Regular mock drills are carried out.
XVIII	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Environment management cell is set up.
XIX	Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should reported to the MPCB and this department.	We have budgeted separate funds for environment protection measures. We have utilized Rs.10,97,43,579/- towards procurement of all the ETP and scrubber system as on 30.06.2023.
XX	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 .	Complied.
XXI	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.	Half yearly Reports are submitted.
XXII	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	<p>Noted and will be complied whenever suggestions are received.</p> <p>EC copy published on website of the Company.</p>
XXIII	The proponent shall upload the status of compliance of the stipulated EC conditions,	Status of compliance of the stipulated EC conditions, including results of

	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.	monitored data is being uploaded on our website on regular basis. The Criteria Pollutant Levels are displayed on the main gate of the Company. Please refer enclosed Annexure A for latest Stack Emission reports.
XXIV	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Half yearly Reports are submitted.
XXV	The environmental statement for each financial year ending 31 st March in Form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Environment statement for the year 2021-2022 submitted online with the MPCB website on 29.9.2022. and revised submitted on 22.10.2022 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.

For Galaxy Surfactants Limited


Rajesh Khatavkar

Sr. Manager – Conversion Process

SIX MONTHLY COMPLIANCE REPORT
PART I: DATA SHEET
(Period: January 2023– June 2023)

Project : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.G-59, Tarapur MIDC, Taluka Palghar

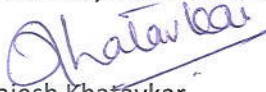
Reference: Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018.

Sr.No.	Particulars	Reply/Compliance
1	Project Type: River-valley/Mining/Industry/Thermal/Nuclear/other (specify)	Industry
2	Name of the project	Expansion project
3	Clearance Letter(S)/OM No. and date	Environment clearance vide letter no.SEIAA-EC-0000000268 dated 04.05.2018
4	Location	
	a. District(s)	Palghar
	b. State(s)	Maharashtra
	c. Latitude/Longitude	Latitude 19.7913 & Longitude 72.7363
5	Address for correspondence	
	a. Address of the Concerned Project Chief Engineer (With Pin Code & Telephone/Telex/Fax Numbers)	Shri Vardhan Nuwal Plot No.V-23, MIDC & Plot No.1, CIDCO, Taloja MIDC Area, Tal. Panvel, Dist. Raigad, Maharashtra 410208. M.No.7700915445 Office Tel.No.91-22-39215300
6	Salient Features	
	a. of the project	Expansion for new products
	b. of the environmental management plans	ZLD ETP with Primary, Secondary & Tertiary treatment with RO & MEE & ATFD
7	Breakup of the project area	
	a. Other	<ol style="list-style-type: none"> 1. Amenity Block - 388.22 SQ.M. 2. Dock Leveler - 24.62 SQ.M. 3. Drum Shed - 162.45 SQ.M. 4. Drum Yard & Scrap Yard - 100.0 SQ.M. 5. ETP - 1109.01 SQ.M. 6. FO Tank - 47.50 SQ.M. 7. Plant Building - 5842.46 SQ.M. 8. Pump Room - 66.31 SQ.M. 9. Unloading Shed - 163.16 SQ.M. 10. Utility Building - 716.78 SQ.M.

		Total Proposed Area – 8620.51 SQ.M.
8	Breakup of the project affected population with enumeration of those losing houses/dwelling units only agricultural land only Both dwelling units & agricultural land and landless labourers/artisans. a. SC, ST / Adivasis b. Others	N.A. as expansion is within the MIDC allotted plot.
9	Financial Details	
	a. Project cost as originally planned and subsequent revised estimates and the year of price reference	Rs.97.69 Crores
	b. Allocation made for environmental management plans with item wise and year wise break up.	Company has spent Rs.10,97,43,579/- towards procurement & installation of all the ETP, MEE+ATFD, RO, Sludge Dryer, Chimney, and scrubber system as on 30.06.2023. (ETP asset capitalized + phase 2 ETP CWIP)
	c. Benefit cost ratio / Internal Rate of Return and the year of assessment	New Project
	d. Whether c. includes the cost of environmental management as shown in the above	New Project
	b) Actual expenditure incurred on the project so far	Rs 91.37 Crores as on 30.06.2023. (Phase 1 Capitalization + CWIP as on as on 30 th June 2023)
	c) Actual expenditure incurred on the environmental management plans so far	Rs.10,97,43,579/- as on 30.06.2023
10	Forest land requirement	
	a. The status of approval for diversion of forest land for non-forestry use	N.A.
	b. The status of clearing felling	N.A.
	c. The status of compensatory afforestation, if any	N.A.
11	The status of clear felling in non-forest areas (such as submergence area or reservoir, approach roads), if any with quantitative information required.	N.A.
12	Status of construction (Actual &/or Planned)	
	a. Date of commencement (Actual &/or Planned)	15.01.2019
	b. Date of Completion (Actual &/or Planned)	31.03.2022
13	Reason for the delay if the project is yet to start	Project under construction
14	Date of site visits	

	a. The dates on which the project was monitored by the Regional Office on the previous occasions, if any.	Project was visited and monitored by the Field Officer, MPCB, Tarapur-I on 19.04.2022.
	b. Date of site visit for this monitoring report	N.A.
15	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visits).	-----

For Galaxy Surfactants Limited



Rajesh Khatavkar

Sr. Manager – Conversion Process



Sadekar Enviro Engineers Pvt. Ltd.

Annexure 'A' (Collectively)

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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TC-9516

ANALYSIS TEST REPORT

Report No	SEETL230000769	Report Date	16/02/2023
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sam.pling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-951623000000652F		
Sample Collected By	SEETL Representative		
Sampling Plan	SEETL/LD/F-03	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

AMBIENT AIR STATION

Sampling Location	Near Main Gate	II-Near Nebula Security Gate	III-Utility area in between ETP Area
Lateral Distance	5.0 Meter from Main Gate	5.0 Meter from Nebula Security Gate	5.0 Meter from Utility area in between ETP Area
Receptor Distance	1.5 Meters From Ground Level	1.5 Meters From Ground Level	1.5 Meters From Ground Level
Ambient Temperature	27	27	27
Humidity	48	48	48
Wind Speed (km/hr)	07	07	07
Wind Direction (deg)	ESE, 115	ESE, 115	ESE, 115
Instruments Used	R.D.S.(APM- 460), F.P.S.(APM – 550) G.P.S.(APM – 411) & Benzene Sampler (GTI 177)		

POLLUTIONAL PARAMETERS

Parameters	Result			Units	NAAQS Limits	Method
	I	II	III			
PM ₁₀	76	73	70	µg/m ³	100.00	IS 5182 (Part 23) 2006 RA: 2022
PM _{2.5}	35	34	28	µg/m ³	60.00	EPA Quality assurance guidance doc. 2.12, based on CPCB- 2011
SO ₂	20	17	12	µg/m ³	80.00	IS 5182(Part 2): 2001 RA: 2022
NO ₂	26	20	18	µg/m ³	80.00	IS 5182 (Part 6): 2006 RA: 2022
Ozone (O ₃)	18	16	14	µg/m ³	180.0	IS 5182 (Part 9): 1974 RA: (2019)
CO	1.19	1.18	1.09	mg/m ³	4.00	IS 5182 (Part 10) : 1999 (RA 2019)
Ammonia (NH ₃)	<20	<20	<20	µg/m ³	400.00	CPCB Guidelines for measurement of ambient air pollutants Volume-I, 2011
Lead as Pb	<0.10	<0.10	<0.10	µg/m ³	01.00	EPA compendium method IO 3.5: 2012
Benzene (C ₆ H ₆)	<4	<4	<4	µg/m ³	5.00	IS 5182 (Part 11) :2006 (RA 2022)
Arsenic (As)	<5	<5	<5	ng/m ³	6.00	EPA compendium method IO 3.5: 2012
Nickel (Ni)	<5	<5	<5	ng/m ³	20.00	EPA compendium method IO 3.5: 2012
Benzo (a) Pyrene (BaP)	<0.1	<0.1	<0.1	ng/m ³	1.00	IS 5182 (Part 12): 2004 (RA 2019)

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

2) PM₁₀-Particulate Matter of size < 10 µm, PM_{2.5}- Particulate Matter of size < 2.5 µm.

3) NAAQS-National Ambient Air Quality Standards.

4) Lower Detection Limit (NH₃ <20 µg/m³), (Pb <0.10 µg/m³), (C₃H₆ <4 µg/m³), (As <5 ng/m³), (Ni <5 ng/m³), (Benzo(a) Pyrene < 0.1 ng/m³)

5) This certificate may not be reproduced in part, without the permission of this Laboratory.

***** END OF THE REPORT*****

Jamunekar
 Authorized Signatory
 Trupti Mayekar

Sadekar Enviro Engineers Pvt. Ltd.

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

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SAVE LIFE

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ANALYSIS TEST REPORT

Report No.	SEETL230000770	Report Date	16/02/2023
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

WORK PLACE AIR STATION

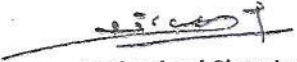
Location of H.V.S.	Powder Packing Room Area
Lateral Distance	-
Receptor Distance	1.5 Meters From Ground Level
Ambient Temperature(°C)	27
Humidity(%)	48

POLLUTIONAL PARAMETERS

Parameters	Result	Units	OHSAS Limits	Method
Total Particulate Matter	0.018	mg/m ³	15.00	IS 5182 (Part 23) 2006 (RA:2022)
SO ₂	<0.003	mg/m ³	13.00	IS 5182 (Part 2) 2001 (RA:2022)
Ammonia	<0.02	mg/m ³	35.00	CPCB Guidelines For Measurement Of Ambient Air Pollutants Volume-I, 2011
Formaldehyde	<0.02	mg/m ³	1.5	OSHA 52

- NOTE: 1) The above results relate only to the condition prevailing at the time of sampling.
2) The above results relate only to the item tested.
3) This certificate may not be reproduced in part, without the permission of this Laboratory.

***** END OF THE REPORT*****


Authorized Signatory
Nilesch Naik



Sadekar Enviro Engineers Pvt. Ltd.

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ANALYSIS TEST REPORT

Report No.	SEETL230000771	Report Date	16/02/2023
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Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-951623000000653F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51


DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	152.00
Velocity of Flue Gases (m/sec)	4.45
Volume of Flue Gases (m ³ /hour)	2546.07
Type of Fuel	Natural Gas

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	<10.00	mg/Nm ³	50.00	IS 11255 (Part 1):1985 RA. 2019
SO ₂	BDL	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO ₂	6.00	PPM	50.00	IS 11255 (Part 7):2005 RA. 2022

- 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 Detection Limit (SO₂ < 3 mg/Nm³)
4) This certificate may not be reproduced in part, without the permission of this Laboratory.


Authorized Signatory
Trupti Mayekar



Sadekar Enviro Engineers Pvt. Ltd.

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ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

DETAILS OF STACK

Attached To	HAG
Shape	Round
Diameter (mm)	450
Height From Ground Level (Mtr)	25 Mtr.
Temperature (°C)	152.00
Velocity of Flue Gases (m/sec)	4.45
Volume of Flue Gases (m ³ /hour)	2546.07
Type of Fuel	Natural Gas

POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O ₂	7.6	%	EPA Method-3A 1997
CO ₂	9.5	%	EPA Method-3A 1997

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***** END OF THE REPORT*****


Authorized Signatory
Nilesch Naik

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ANALYSIS TEST REPORT

Report No.	SEETL230000772	Report Date	16/02/2023	
Name of Client	M/s. Galaxy Surfactants Limited			
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.			
Order / Reference	PO No.4500146039 Dated 08/07/2022			
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023	
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023	
ULR No.	TC-951623000000654F			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	51

DETAILS OF STACK

Attached To	DG 1000 KVA
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	6.0 Mtr. Above the roof
Temperature (°C)	162.00
Velocity of Flue Gases (m/sec)	11.13
Volume of Flue Gases (m ³ /hour)	707.76
Type of Fuel	HSD

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	35	mg/Nm ³	50.00	IS 11255 (Part 1):1985 RA. 2019
SO ₂	0.3	Kg/Day	0.9	IS 11255 (Part 2):1985 RA. 2019
NO ₂	8.4	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022

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Authorized Signatory
Trupti Mayekar



Sadekar Enviro Engineers Pvt. Ltd.

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ANALYSIS TEST REPORT

Report No.	SEETL230000772	Report Date	16/02/2023	
Name of Client	M/s. Galaxy Surfactants Limited			
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.			
Order / Reference	PO No.4500146039 Dated 08/07/2022			
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023	
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	51

DETAILS OF STACK


Attached To	DG 1000 KVA
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	6.0 Mtr. Above the roof
Temperature (°C)	151.00
Velocity of Flue Gases (m/sec)	11.41
Volume of Flue Gases (m ³ /hour)	726.02
Type of Fuel	HSD

POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O ₂	8.4	%	EPA Method-3A 1997
CO ₂	9.1	%	EPA Method-3A 1997

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***** END OF THE REPORT*****


Authorized Signatory
Nilesh Naik



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TC-9516

ANALYSIS TEST REPORT

Report No.	SEETL230000773	Report Date	16/02/2023
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-951623000000655F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

DETAILS OF STACK

Attached To	I-Needle Plant Blower	II-SDP Plant Blower	III-Spray Dryer (Powder Blower SDP Chimney)
Shape	Round	Round	Round
Diameter (mm)	150	150	520
Height From Ground Level (Mtr)	15 Mtr.	15 Mtr.	25 Mtr.
Temperature (°C)	45.00	49.00	62.00
Velocity of Flue Gases (m/sec)	4.32	4.15	4.26
Volume of Flue Gases (m ³ /hour)	274.96	263.90	3255.46
Type of Fuel	Electricity	Electricity	Electricity

POLLUTIONAL PARAMETERS

Parameters	Result			Units	MPCB Limit	Method
	I	II	III			
TPM	32	38	29	mg/Nm ³	50.00	IS 11255 (Part 1):1985 RA. 2019
SO ₂	ND	ND	ND	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO ₂	ND	ND	ND	mg/Nm ³	-	IS 11255 (Part 7):2005 RA. 2022

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 2) The above results relate only to the item tested.
 3) ND:- Not Detected.
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 Authorized Signatory
 Trupti Mayekar



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ANALYSIS TEST REPORT

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Order / Reference	PO No.4500146039 Dated 08/07/2022			
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023	
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023	
ULR No.	-			
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32	
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%)	51

DETAILS OF STACK

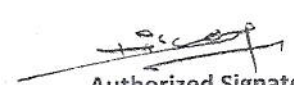
Attached To	I-Needle Plant Blower	II-SDP Plant Blower	III-Spray Dryer (Powder Blower SDP Chimney)
Shape	Round	Round	Round
Diameter (mm)	150	150	520
Height From Ground Level (Mtr)	15 Mtr.	15 Mtr.	25 Mtr.
Temperature (°C)	45.00	49.00	62.00
Velocity of Flue Gases (m/sec)	4.32	4.15	4.26
Volume of Flue Gases (m ³ /hour)	274.96	263.90	3255.46
Type of Fuel	Electricity	Electricity	Electricity

POLLUTIONAL PARAMETERS

Parameters	Result			Units	Method
	I	II	III		
O ₂	ND	ND	ND	%	EPA Method-3A 1997
CO ₂	ND	ND	ND	%	EPA Method-3A 1997

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***** END OF THE REPORT*****


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Nilesch Naik



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ANALYSIS TEST REPORT

Report No.	SEETL230000774	Report Date	16/02/2023
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-951623000000656F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

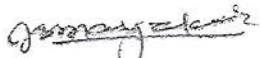
DETAILS OF STACK

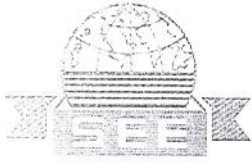
Attached To	Thermopac
Shape	Round
Diameter (mm)	1200
Height From Ground Level (Mtr)	39 Mtr
Temperature (°C)	145.00
Velocity of Flue Gases (m/sec)	5.61
Volume of Flue Gases (m ³ /hour)	22842.92
Type of Fuel	PNG

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	<10.00	mg/Nm ³	-	IS 11255 (Part 1):1985 RA. 2019
SO ₂	BDL	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO ₂	13.4	PPM	50	IS 11255 (Part 7):2005 RA. 2017

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3) BDL- Below Detection Limit (SO₂ < 3 mg/Nm³)
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Trupti Mayekar



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Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

DETAILS OF STACK


Attached To	Thermopac
Shape	Round
Diameter (mm)	1200
Height From Ground Level (Mtr)	39 Mtr
Temperature (°C)	135.00
Velocity of Flue Gases (m/sec)	5.60
Volume of Flue Gases (m ³ /hour)	22811.33
Type of Fuel	PNG

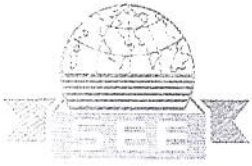
POLLUTIONAL PARAMETERS

Parameters	Result	Units	Method
O ₂	9.2	%	EPA Method-3A 1997
CO ₂	10.2	%	EPA Method-3A 1997

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***** END OF THE REPORT*****


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Nilesch Naik



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Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25	Humidity (%) 51

DETAILS OF STACK


Attached To	I-Chlorination Reactor Vent (Scrubber)	II-Process Reactor Vent Storage tank (Scrubber)
Shape	Round	Round
Diameter (mm)	0.075	0.15
Height From Ground Level (Mtr)	12 Mtr.	12 Mtr.
Temperature (°C)	40.00	47.00
Velocity of Flue Gases (m/sec)	4.28	4.57
Volume of Flue Gases (m ³ /hour)	68.07	290.77
Type of Fuel	Electricity	Electricity

POLLUTIONAL PARAMETERS

Parameters	Result		Units	MPCB Limit	Method
	I	II			
Acid Mist	20	22	mg/Nm ³	35.00	Lab SOP No. SEETL/LD/SOP/AA-31

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TC-9516

ANALYSIS TEST REPORT

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Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-95162300000657F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

DETAILS OF STACK

Attached To	ATFD Vent D
Shape	Round
Diameter (mm)	100
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	132.00
Velocity of Flue Gases (m/sec)	4.81
Volume of Flue Gases (m ³ /hour)	135.86
Type of Fuel	-

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	32	mg/Nm ³	50.00	IS 11255 (Part 1):1985 RA. 2019

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ANALYSIS TEST REPORT

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Order / Reference	PO No.4500146039 Dated 08/07/2022				
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023		
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023		
ULR No.	TC-951623000000658F				
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32		
Environmental Condition of Lab		Temperature(°C)	25.0	Humidity (%)	51

DETAILS OF STACK


Attached To	Boiler
Shape	Round
Diameter (mm)	1200
Height From Ground Level (Mtr)	39 Mtr
Temperature (°C)	145.00
Velocity of Flue Gases (m/sec)	5.30
Volume of Flue Gases (m ³ /hour)	21565.16
Type of Fuel	PNG

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	<10.00	mg/Nm ³	-	IS 11255 (Part 1):1985 RA. 2019
SO ₂	BDL	Kg/Day	-	IS 11255 (Part 2):1985 RA. 2019
NO ₂	10.3	PPM	50	IS 11255 (Part 7):2005 RA. 2017

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3) BDL- Below Detection Limit (SO₂ < 3 mg/Nm³)
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ULR No.	-		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

DETAILS OF STACK

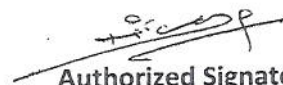
Attached To	Process Reactor Vent K
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	12 Mtr.
Temperature (°C)	53.00
Velocity of Flue Gases (m/sec)	4.32
Volume of Flue Gases (m ³ /hour)	27497.26
Type of Fuel	-

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
Acid Mist	21	mg/Nm ³	35.00	Lab SOP No. SEETL/LD/SOP/AA-31

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Authorized Signatory
Nilesh Naik



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ANALYSIS TEST REPORT

Report No.	SEETL230000779	Report Date	16/02/2023
Name of Client	M/s. Galaxy Surfactants Limited		
Address of Client	Plot No. G-59, MIDC Tarapur, Boisar Tal. & Dist. Palghar, Pin: 401506, Maharashtra.		
Order / Reference	PO No.4500146039 Dated 08/07/2022		
Date Of sampling	09/02/2023	Sample Receipt Date	10/02/2023
Analysis Started on	10/02/2023	Analysis Completed On	15/02/2023
ULR No.	TC-951623000000659F		
Sample Collected By	SEETL Representative	Sampling SOP No.	SEETL/LD/SOP/AA-32
Environmental Condition of Lab	Temperature(°C)	25.0	Humidity (%) 51

DETAILS OF STACK


Attached To	Sludge Dryer Vent F
Shape	Round
Diameter (mm)	150
Height From Ground Level (Mtr)	12 Mtr. Above the roof
Temperature (°C)	115.00
Velocity of Flue Gases (m/sec)	4.60
Volume of Flue Gases (m ³ /hour)	292.64
Type of Fuel	-

POLLUTIONAL PARAMETERS

Parameters	Result	Units	MPCB Limit	Method
TPM	35	mg/Nm ³	50.00	IS 11255 (Part 1):1985 RA. 2019

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***** END OF THE REPORT*****


Authorized Signatory
Trupti Mayekar



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-0000036579
Submitted On: 16-06-2023
Industry Type : Generator

Submitted for Year:
2023

1. Name of the generator/operator of facility GALAXY SURFACTANTS LTD
Address of the unit/facility PLOT NO.G-59, TARAPUR MIDC, BOISAR

1b. Authorization Number Format1.0/CC/UAN No.0000110105/CR/2207000303
Date of issue Jul 6, 2022
Date of validity of consent Apr 30, 2024

2. Name of the authorised person MR. RAJESH B. KHATAVKAR
Full address of authorised person PLOT NO.G-59, TARAPUR MIDC, BOISAR

Telephone 8976778210
Fax NA
Email Rajesh.Khatavkar@galaxysurfactants.com

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

Product Type *	Product Name *	Consented Quantity	Actual Quantity	UOM
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES (POWDER/NEEDLES)	1200.0000	802.39	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES (COLOR NEEDLES)	2400.0000	1081.89	MT/A
Chemical ,Petrochemical &Electrochemical	FATTY ALCOHOL SULPHATES (LIQUID)	576.0000	516	MT/A
Chemical ,Petrochemical &Electrochemical	ACTIVE PREPARATIONS INCLUDING ANIONIC, CATIONIC, AMPHOTERIC, NON IONIC SURFACTANTS SUCH AS FATTY ALCOHOL SULPHATES/ QUATERNARY AMMONIUM COMPOUNDS / ALKANOL AMIDES / GLYCINATES / AMINEOXIDES / BETAINES / QUATERNARY AMMONIUM COMPOUNDS AND SURFACTANT BLENDS	24996.0000	166.84	MT/A
Chemical ,Petrochemical &Electrochemical	SPECIALITY CHEMICALS SUCH AS POLYMERIC CONDITIONERS , POLYQUATS , PRESERVATIVES , FATTY ACID ESTERS	4992.0000	142.67	MT/A
Chemical ,Petrochemical &Electrochemical	SUNSCREENS	7500.0000	9.86	MT/A

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	Wate Name	Consented Quantity	Quantity	UOM
5.1 Used or spent oil	Spent Oil	1.500	1.475	MTA
5.2 Wastes or residues containing oil	Waste or residues containing oil	2.000	0.683	MTA

20.2 Spent solvents	Spent solvent	6.000	0	MTA
20.3 Distillation residues	Distillation residue	410.000	2.35	MTA
28.1 Process Residue and wastes	Process residue	2.000	0.838	MTA
28.2 Spent catalyst	Spent catalyst	2.000	0	MTA
28.3 Spent carbon	Spent carbon	2.000	0	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/container	10.000	0	MTA
35.2 Spent ion exchange resin containing toxic metals	spent ion exchange	1.000	0	MTA
35.3 Chemical sludge from waste water treatment	ETP Sludge	15.000	1.803	MTA
28.3 Spent carbon	DILUTE ACETIC ACID [ON 100% BASIS]	840.000	0	MTA
28.3 Spent carbon	REC. METHANOL	180.000	0	MTA
28.3 Spent carbon	HCl SOLUTION (APPROX. 30%)	2100.000	0	MTA
28.3 Spent carbon	SODIUM BISULFITE SOLUTION / SODIUM BISULFATE / SODIUM SULPHITE [APPROX 30%]	3000.000	0	MTA
28.3 Spent carbon	SODIUM CHLORIDE [ON 100% BASIS]	300.000	0	MTA
37.3 Concentration or evaporation residues	MEE Salts	60.000	6.395	MTA
37.2 Ash from incinerator and flue gas cleaning residue	Flue gas cleaning residue	0.900	0.890	MTA
Other Hazardous Waste	insulation Material (One time disposal)	0.000	3.975	MTA

2. Quantity dispatched category wise.

Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
5.1 Used or spent oil	1.475	MTA	Disposal Facility	MWML
37.2 Ash from incinerator and flue gas cleaning residue	0.890	MTA	Disposal Facility	MWML
35.3 Chemical sludge from waste water treatment	1.803	MTA	Disposal Facility	MWML
37.3 Concentration or evaporation residues	6.395	MTA	Disposal Facility	MWML
5.2 Wastes or residues containing oil	0.683	MTA	Disposal Facility	MWML
20.2 Spent solvents	0.0	MTA	Disposal Facility	MWML
20.3 Distillation residues	2.35	MTA	Disposal Facility	MWML
28.1 Process Residue and wastes	0.838	MTA	Disposal Facility	MWML
28.2 Spent catalyst	0.0	MTA	Disposal Facility	MWML
28.3 Spent carbon	0.0	MTA	Disposal Facility	MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	0.0	MTA	Disposal Facility	MWML
35.2 Spent ion exchange resin containing toxic metals	0.0	MTA	Disposal Facility	MWML

3. Quantity Utilised in-house, If any

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

4. Quantity in storage at the end of the year

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

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	Other	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	Quantity	UOM
NA	NA	KL/Anum

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

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

4. Quantity of products dispatched (wherever applicable)

Name of product	Quantity	UOM
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	quantity	UOM
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NA	NA	KL/Anum
6. Total quantity of waste disposed		
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
Tarapur	2022-06-16	Factory Manager



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-0000050986

Submitted Date

22-10-2022

PART A

Company Information

Company Name

Galaxy Surfactants Ltd

Application UAN number

0000110105

Address

G-59 MIDC Tarapur

Plot no

G-59

Taluka

Palghar

Village

MIDC Tarapur

Capital Investment (In lakhs)

9763.00

Scale

LSI

City

Palghar

Pincode

401506

Person Name

Sesha Samba Murty

Designation

Factory Manager

Telephone Number

7767811383

Fax Number

0

Email

Seshu@galaxysurfactants.com

Region

SRO-Tarapur I

Industry Category

Red

Industry Type

R22 Organic Chemicals manufacturing

Last Environmental statement submitted online

yes

Consent Number

Format1.0/CC/UAN
No.0000110105/CR/2207000303

Consent Issue Date

2022-07-06

Consent Valid Upto

2024-04-30

Establishment Year

1992

Date of last environment statement submitted

Sep 28 2021 12:00:00:000AM

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

Product Information

Product Name

Fatty Alcohol Sulphates/Sulfosuccinate (Powder/Needles)

Consent Quantity

1200

Actual Quantity

469.38

UOM

MT/A

Fatty Alcohol Sulphate (Needle-Colour)

2400

1027.63

MT/A

Fatty Alcohol Sulphates/Fatty Alcohol Ether Sulphate

576

434.96

MT/A

Active preparations including anionic, cationic, amphoteric, non ionic surfactants such as fatty alcohol sulphates/Quaternary ammonium compounds/alkanol amides/Glycinates/Amineoxides/betaines/Quarter

24996

0.0

MT/A

Speciality chemicals such as polymeric conditioners, polyquats, preservatives, fatty acid esters

4992

0.0

MT/A

Sunscreens

7500

0.0

MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
0	0	0	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	340.00	25.56
Domestic	19.50	3.61
All others	18.00	3.74
Total	522.50	39.24

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
EFFLEUNT GENERATION	122	4.5	CMD
DOMESTIC EFFLEUNT	7.6	3	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
0	0	0	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
Caustic soda Lye	0.36	0.34	MT/A
C1214 Alkyl polyglucoside	14.60	32.40	MT/A
Alkyl polyglucoside C0814	12.03	19.81	MT/A
FAS Liquid	1405.43	1440.30	MT/A
Galaxy LSS (Paste) C1216	225.09	187.23	MT/A
Citric acid (MONOHYDRATE)	0.83	1.15	MT/A
Sodium Sulfate	0.33	2.01	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
FO	438	114.36	MT/A
HSD	51684	3766	Kg/Annum
PNG	8000	388.44	CMD

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	7.35	0	5.5-9.5	NA
TSS	0.044	9.75	0	<100mg/l	NA
COD	0.054	11.96	0	<250mg/l	NA
BOD	0.016	3.6	0	<100mg/l	NA
TDS	0.728	161	0	<2100mg/l	NA
O/G	0.004	0.8	0	<10mg/l	NA
CHLORIDE	0.140	31	0	<600mg/l	NA
SULPHATE	0.025	5.54	0	<1000mg/l	NA
SODIUM	0.00	0.003	0	<60%	NA
FREE AMMONIA	0.00	0.05	0	<5mg/l	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
TPM (TFE)	3.29	52.5	0	<150mg/nm3	NA
SO2 (TFE)	15.05	15.05	0	NS	NA
TPM (SDE)	2.44	47	0	<150mg/nm3	NA
TPM(SDP BLOWER)	0.29	37.75	0	<150mg/nm3	NA
TPM(NEEDLE PLANT BLOWER)	0.25	40.5	0	<150mg/nm3	NA
TPM(DG)	0.81	42.5	0	<150mg/nm3	NA
SO2(DG)	5.95	5.95	0	NS	NA

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	0.600	0.300	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
35.1 Exhaust Air or Gas cleaning residue	0.280	0.350	MT/A
35.3 Chemical sludge from waste water treatment	1.17	1.090	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
PVC PAPER BAGS	4.825	4.365	MT/A

HDPE / METAL CONTAINERS	21	55	Nos./Y
WOODEN PALLATES	0	1641	Nos./Y

2) From Pollution Control Facilities

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

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	MT/A

Part-F

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used or spent oil	0.300	MT/A	LIQUID
35.1 Exhaust Air or Gas cleaning residue	0.350	MT/A	SOLID
35.3 Chemical sludge from waste water treatment	1.090	MT/A	SOLID

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
PVC AND PAPER BAGS	4.365	MT/A	PAPER BAGS WITH PVC LINER
HDPE / METAL CONTAINERS	55	Nos./Y	NA
WOODEN PALLATES	1641	Nos./Y	NA

Part-G

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

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

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
NIL	NIL	0

Part-I

Any other particulars for improving the quality of the environment.

Particulars

We have ZLD unit

Name & Designation

Sesha Samba Murty - Head NPT & Conversion Process

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000050986

Submitted On:

22-10-2022