

Galaxy Surfactants Ltd.

21.1.2022

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

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Please find attached half yearly compliance report for the period from July 2021 to December 2021, 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

Deepak Divate

Factory Manager-Taloja Unit

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
 - 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. Ph: +91-22-39215300 / 39545100 Fax: +91-22-27411701 / 27411702 Regd. Office:

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

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (Period: July 2021 – December 2021)

- **Project** : Galaxy Surfactants Ltd., Project of Manufacturing of Surfactants and Specialty Chemicals at Plot No.V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, District Raigad by Modernisation with no increment in pollution load.
- Reference: SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and subsequent amendment in Environment clearance vide letter no.SEIAA-2016/CR 05/TC 3 dated 19.05.2016 and SEIAA Letter No.: SEAC-2010/CR-448/TC-2 dated 03.10.2010.

Products :

Sr. No.	Name of the product	Total Production Quantit (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 shall be responsible for end disposal of Hazardous Waste to Authorized dealer. We will abide by the specific effluent characteristics after treatment. Complied.
2	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	The project is implemented at existing plot. Complied.
3	For controlling fugitive natural dust, regular sprinkling of water and wind shields at	Complied.

	appropriate distances in vulnerable areas of Plant shall be ensured.	
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.	Complied. 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.	Complied.
6	Proper Housekeeping programs shall be implemented.	We are maintaining proper housekeeping within premises. Complied.
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).	Complied.
9	A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.	Rainwater collected and reused in process.
10	Arrangement shall be made that effluent and storm water does not get mixed.	Separate arrangements are made for effluent and storm water. Complied.
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 standard and monitored on regular basis. The operating personnel use protective equipment like earmuff and earplug wherever required. Complied.
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	The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on

	sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.	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. 1129 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. Complied.
16	Occupational health surveillance of the workers shall be done on a regular basis and the record shall be 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.
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 installed. Complied.
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.	We are 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. We have obtained membership of Mumbai Waste Management Limited (MWML) 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.
		Used or Spent oil (6 MT/A), Contaminated Cotton ragas or other cleaning materials 1MT/A will be given for Recycle/incineration toMWML/ MPCB Authorized Vendor.MEE solid waste 180MT/A by landfill.
		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.
19	 The Company shall undertake following Waste Minimization Measures : Metering of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw materials or as raw material substitutes in other process. Maximizing recoveries. Use of automated transfer system to minimize spillage. 	Use of level transmitters in storage tank and adjustment vessel to avoid spillages. Automated transfer of most of intermediate, raw materials and finished goods used for avoiding spillages.
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 11.08.2021
21	A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.	Complied. Environment management cell is set up with total 17 members of various Departments.
22	Transportation of ash will be through closed containers and all measure should be taken to prevent spilling of ash.	Complied.
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	During this period, we incurred expenditure of Rs. 50 Lacs (approx.) for RO Capacity enhancement, operation and maintenance for ETP & MEE plant.

	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.	
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.	Complied.
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.	Complied.
27	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. EC copy published on website of the Company.
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.	Complied. Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on ou website and will be updated regularly. The Criteria Pollutant Levels are displayed on the main gate of the Company. Please refer enclosed Annexure B for latest Stack Emission reports.
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.	Complied.

30	The environmental statement for each financial year ending 31^{st} March in Form – V as is	Complied.
	mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as	Environment statement for the year 2020-2021 submitted online with the MPCB website on 22.09.2021
	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.	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.

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	Complied.
	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 at the site. No land development / construction work preliminary or otherwise relating to the project shall taken up without obtaining due clearance from respective authorities.	We abide by this regulation/condition.
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.	Not applicable.

For Galaxy Surfactants Limited

Leepale Deepak Divate

Factory Manager- Taloja Unit

Annexure-A Sadekar Enviro Engineers Pvt. Ltd.

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Report No	SEET/AA/09/	2021/210		Dat		08/10/2021
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Address of Client		& 01. MIDC Tal			ist Raigard 1	10208
Sample collected by	AA Represent			Duration of sa		24 hrs
Reference	'			valution of sa	<u>aping</u>	<u>,</u>
Date of sampling	23/09/2021	· · · ·	S	ample Receip	i Date	24/09/2021
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		OLLUTIONAL			ulter sources of the	100 000 000 000 000 000 000 000 000 000
Parameters	Units	Result		NAAOS		Method
				Limits		
Particulate Matter PM10	_μg/m ³	41.8		100	Instr.Ma	nual version 2.01
Particulate Matter PM25	µg/m³	30.5		60	CPCB N	Aanual Volume 1
Sulphur Dioxide (SO ₂)	μg/m ¹	29.6		80	IS 5182(part 2)2001 (RA 2017)	
Oxide of Nitrogen (NOx)	µg/m'	26,5		80	IS 5182(part 2)2006 (RA 2017)	
Ozone (O3)	µg/m ²	BDL(MDL<19	0.6)	100	MAS	A-411 3 rd Ed
Lead (Pb)	ug/m	BDL(MDL<0	.1)	1.0	MAS	A-822 3 nd Ed
Carbon Monoxide (CO)	mg/m ³	0.28		02		t 10)1999 (RA 2014)
Ammonia (NH3)	μ <u>g</u> /m ³	BDL (MDL.<0.	02)	400		A-401 3 rd Ed
Benzene (C6H6)	µg/m ¹	BDL(MDL<0.		05		11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m	BDL(MDL<	<u>1)</u>	01		anual Vol 1 2011
Arsenic (As)	ng/m'	BDL(MDL<0.	والمعاد ستشداه	06		A-302 3 rd 1:d
Nickel (Ni)	ng/m	BDL(MDL<)		20		A-822 31d Ed
NOTE: 1) The above resu			evaili	ing at the time	of sampling.	
The above result	-					
		ir Quality Standa	irds			
4) BDL - Below	Detectable Lin	nit.				and the second s
					Authorize	



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 : 310, Dempo Towers, EDC Patto, Panaji-403 601, Goa State, India (2): (0832) 2437048 / 2437164

 E-mail::sadekarenvitro@rediffmail.com + Wabate
 Swer Schekaren and State, India (2): (0832) 2437048 / 2437164

LABORATORY : 6-306/307, Plot No. 51, Patel Estate, Reis Magos, Verem, Alto, Old Betim Rosd, Bardez, Porvorim, Panaji-Goa-403 101 Goa State, India. (2): (0532) 2411322 / 23 • E-mail : starlabgoa@rediffmail.com • CIN No. U45209MH1998PTC-116379

Piot No. A-95, Road No. 16, Kisan Nager Road, M.I.D.C. Wagle Industrial Area, Thane - 409 504. Maharashira State, tadia, -01: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 + E-realt : prs@sadekarenviro.com / psadekar5@genail.com

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Name of Client M/s GALAXY SURFACTANTS LIMITED Address of Client Plot No. V-23 & 0.1. MIDC Tatoja, Tal. Panyel. Dist. Raigad 110208 Sample collected by AA Representative Duration of sampling 24 hrs Reference	Report No	SEET/AA/09/	2021/218				08/10/2021
Address of Client Plot No. V-23 & 01. MIDC Tatoja, Tal. Parvel. Dist. Raigad 110208 Sample collected by AA Representative Duration of sampling 24 hrs Reference Duration of sampling 24 hrs Date of sampling 30/09/2021 Sample Receipt Date 01 10 2021 Analysis Start Date 02/10/2021 Analysis Complete Date 04/10 2021 Ambient Temperature 32.8°C Receptor Distance 1.5 Mtr. From MED Ware House Location of 11.V.S. Near MED Ware House Lateral Distance 1.5 Mtr. From Ground Level Parameters Units Result NAAQS Method Particulate Matter PM ₁₀ µg/m ³ 34.1 100 Instr. Manual version 2.01 Particulate Matter PM ₁₀ µg/m ³ 22.9 60 CPCB Manual Volume 1 Sulphur Dioxide (SO ₂) µg/m ³ 25.4 80 15 5182(part 2)2001 (RA 2017) Vome (O ₁) µg/m ³ 25.4 80 15 5182(part 2)2001 (RA 2017) Vome (O ₁) µg/m ³ 25.4 80 15 5182(part 2)2001 (RA 2017) Vome (O ₁) µg/m ³ BDL(MDL<10.0)				ANTS L			00/10/2021
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Nitrogen Dioxide (NO ₂) ug/m 20.9 80 15 5182(part 2)2006 (RA 2017) Ozane (O ₁) µg/m BDL(MDL<19.6)							
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	·						
Lead (Pb) $\mu g/m^3$ $BDL(MDL<0.1)$ 1.0 $MASA-822.3^{rd}$ EdCarbon Monoxide (CO) mg/m^3 0.15 02 $IS.5182(part 10)1999 (RA 2014)$ Ammonia (NII ₃) $\mu g/m^3$ $BDL(MDL<0.02)$ 400 $MASA-401.3^{rd}$ EdBenzene (C ₄ H ₆) $\mu g/m^3$ $BDL(MDL<0.2)$ 05 $IS.5182(part 11)2006 (RA 2017)$ Benzo (a) Pyrene (BaP) ng/m^3 $BDL(MDL<1)$ 01 CPCB Manual Vol 1 2011Arsenic (As) ng/m^3 $BDL(MDL<0.1)$ 06 $MASA-302.3^{rd}$ EdNockel (Ni) ng/m^3 $BDL(MDL<7)$ 20 $MASA-822.3^{rd}$ EdNOTE: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 Standards4) BDLBelow Detectable Limit.			• • • • • • • • • • • • • • • • • • • •				
Carbon Monoxide (CO) mg/m^3 0.1502IS 5182(part 10)1999 (RA 2014)Ammonia (NII ₂) \mug/m^3 BDL(MDL<0.02)		<u>µg/m</u>					
Ammonia (NII2) $\mu g/m^3$ BDL(MDL<0.02)400MASA-401 3 rd LdBenzene (C_0H_6) $\mu g/m^3$ BDL(MDL<0.2)			<u> </u>	.<0.1)			
Benzene (C _c H ₆) µg/m³ BDL(MDL<0.2) 05 IS \$182(part 11)2006 (RA 2017) Benzo (a) Pyrene (BaP) ng/m³ BDL(MDL<1)	······································						
Benzo (a) Pyrene (BaP) ng/m³ BDL(MDL<1) 01 CPCB Manual Vol 1 2011 Arsenic (As) ng/m³ BDL(MDL<0,1)					· · · · · · · · · · · · · · · · · · ·		
Arsenic (As) ng/m³ BDL(MDL<0,1) 06 MASA-302 3 rd t.d. Nockel (Ni) ng/m³ BDL(MDL<7)							the second of the second se
Nockel (Ni) ng/m³ BDL(MDL<7) 20 MASA-822 3ª 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.			<u> </u>	<u> </u>			
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.		- <u>-</u>					
 2) The above results relate only to the item tested. 3) NAAQS-National Ambient Air Quality Standards 4) BDL Below Detectable Limit. 					= -		
3) NAAQS-National Ambient Air Quality Standards 4) BDL Below Detectable Limit.						er oampinig:	
ATTENTION R.	4) BDL Below	Detectable Lim	it.				
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است Plot No. A-95, Road No. 16, Kisan Nagar Road. M.I.D.C. Wagle Industrial Area, Thane - 400 604. Maharashtra State. India, الآن : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 @ E-mail: pra@sedekarenviro.com / psadekar5@gmail.com

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Report No	SEET/AA/09/	2021/217	Date	e	08/10/2021
Name of Client		SURFACTANTS		· ·	
Address of Client	Plat No. V-23	& 01, MIDC Taloja	Tal Panyel D	ist Raigad 41	0208
Sample collected by	AA Represent		Duration of sal		24 hrs
Reference					
Date of sampling	22/09/2021		Sample Receip	ot Date	23/09/2021
Analysis Start Date	24/09/2021		Analysis Com		27/09/2021
Trikitysis start istag		AMBIENT AIR			
Location of H.V.S.	Near Material		Lateral Distance	e 5.0 Mtr.	From Material Gate
	(EOU)			No. 6 (E	
Ambient Temperature	33.0°C		Receptor Distar	ice 1.5 Mir.	From Ground Level
_ ·	P	OLLUTIONAL P/	ARAMETERS		
Parameters	Units	Result	NAAQS		Method
			Limits		
Particulate Matter PM16	μg/m ¹	47.5	100		nual version 2.01
Particulate Matter PM2.5	μg/m	36.3	60		lanual Volume I
Sulphur Dioxide (SO ₂)	μg/m	30.3	80		t 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	µg/m	26.4	80	1S 5182(par	12)2006 (RA 2017)
Ozone (O3)	<u>μ</u> g/m	BDL(MDI.<19.6)	· · · · · · · · · · · · · · · · · · ·	MAS	A-411 3 rd Ed
Lead (Pb)	µg/m	BDL(MDL<0.1)			A-822 3 rd Ed
Carbon Monoxide (CO)	ing/in	0.76	02	15 5182(part	10)1999 (RA 2014) A-401 3 rd Ed
Ammonia (NH ₃)	μន្វ/៣'	BDL(MDL<0.02)			
Benzene (C ₆ H ₆)	ug/m ³	BDL(MDL<0.2)			11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01		anual Vol I 2011 A-302 3 rd Ed
Arsenic (As)	ng/m	BDL(MDL<0.1)			A-822 3 rd Ed
Nickel (Ni)	ng/m³	BDL(MDL<7)	20		A-824.3 EU
NOTE: 1) The above res	ults relate only t	o the condition prev	alling at the time	e or sampting.	
2) The above res	ults relate only t	o ine liem tested.			
3) NAAQS-Nati 4) BDL Below	Onal Ambleni A	ir Quality Standards	>		
4) RDF Relow	Detectable Lift	ш.			21 - ²⁰ - ²⁰ - 20
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Report No	SEET/AA/0	9/2021/216	Date	e	08/10/2021
Name of Client	M's GALAX	Y SURFACTANTS	LIMITED		
Address of Client	Plot No. V-2	3 & 01, MIDC Taloja	, Tal. Panyet, I	Dist. Raigad - 410	0208
Sample collected by	AA Represei	ntative	Duration of sat	npling	24 hrs
Reference					
Date of sampling	23/09/2021		Sample Receip	and the second sec	24/09/2021
Analysis Start Date	25/09/2021	· · · · · · · · · · · · · · · · ·	Analysis Comp	olete Date	27/09/2021
		AMBIENT AIR S			
Location of H.V.S.	Near Gate N		eral Distance		rom Gate No.3
Ambient Temperature	32.7 ⁸ C		ceptor Distance	e 1.5 Mtr. ł	from Ground Leve
	E	POLLUTIONAL PA	RAMETERS		
Parameters	Units	Result	NAAQS	N	lethod
			Limits		
Particulate Matter PM10	µg/m ³	42.2	100		al version 2.01
Particulate Matter PM2.5	μg/m ³	30.2	60		nual Volume I
Sulphur Dioxide (SO ₂)	μg/m ³	27.6	80		2)200) (RA 2017)
Nitrogen Dioxide (NO2)	µg/m	24.0	80	15 5182(part)	2006 (RA 2017)
Ozone (O ₃)	μg/m ³	BDL(MDL<19.6)	100	MASA	411 3 rd Ed
Lead (Pb)	μg/m [*]	BDL(MDL<0.1)	1.0	MASA	-822 3 rd Ed
Carbon Monoxide (CO)	mg/m	0.28	02	IS 5182(part 1	0)1999 (RA 2014)
Ammonia (NH ₃)	µg/m'	BDI.(MDL<0.02)	400	MASA	-401 3 ^{nl} Ed
Benzene (C ₀ H _u)	μ <u>g/m</u>	BDL(MDL<0.2)	05	IS 5182(part 1	1)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m*	BDL(MDL<1)	0	CPCB Man	ual Vol I 2011
Arsenic (As)	ng/m	BDL(MDL<0.1)	06	MASA	-302 3 rd Ed
Nickel (Ni)	ng/m'	BDL(MDL<7)	20		-822 3 ⁵¹ Ltd
NOTE: 1) The above resu	Its relate only t	o the condition prevai	ling at the time	of sampling.	
2) The above resul	Its relate only to	o the item tested.			
NAAQS-Nation	ial Ambient Ai	r Quality Standards			
4) BIJL Below L	Detectable Limi	it.			
·				Authorized	



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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wegle industrial Area, Thane - 400 604. Maharashtra State, India. 7 : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 < E-mail : pra@sadekarenviro.com / osadekar5@gmail.com

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Α	ANALYSIS REI	PORT FOR AMBI	ENT AIR SUR	VEILLANCE	
Report No	SILET/AA/09/		Dat	e	08/10/2021
Name of Client	M/s GALAXY	SURFACTANTS	LIMITED		
Address of Client	Plot No. V-23	& 01, MIDC Taloja	a, Tal. Panvel, D	ist, Raigad - 4	10208
Sample collected by	AA Represent		Duration of sa	mpling	24 Hrs
Reference	·····	^	•		
Date of sampling	22/09/2021		Sample Receip	pt Date	23/09/2021
Analysis Start Date	24/09/2021		Analysis Complete Date		27/09/2021
······································	<u> </u>	AMBIENT AIR			
Location of H.V.S.	Near Material		ateral Distance		From Material Gate
Ambient Temperature	33.0°C	R	eceptor Distance	e <u>1.5 M</u> tr	From Ground Level
		OLLUTIONAL PA	ARAMETERS		
Parameters	Units	Result	NAAQS		Method
			Limits		
Particulate Matter PM10	μg/m ³	43.2	100		nual version 2.01
Particulate Matter PM25	μg/m	31.5	60		Manual Volume 1
Sulphur Dioxide (SO ₂)	µg/m²	31.9	80	IS 5182(pa	nt 2)2001 (RA 2017)
Nitrogen Dioxide (NO ₂)	μg/m ³	29.3	80	IS 5182(pa	rt 2)2006 (RA 2017)
Ozone (O ₁)	με/m	BDL(MDL<19.6) 100	MAS	SA-411 3 rd Ed
Lead (Pb)	µg/m	BDL(MDL<0.1)	1.0	MAS	SA-822 3 rd Ed
Carbon Monoxide (CO)	mg/m ²	0.46	02	JS 5182(par	t 10)1999 (RA 2014)
Ammonia (NH ₃)	ug/m'	BDL(MDI.<0.02			SA-401 3 rd Ed
Benzene (C ₆ H ₆)	ug/m	BDL(MDL<0.2)		IS 5182(par	t 11)2006 (RA 2017)
Benzo (a) Pyrene (BaP)	ng/m ³	BDL(MDL<1)	01	CPCB M	tanual Vol I 2011
Arsenic (As)	ng/ព	BDL(MDL<0.1)	06	MAS	SA-302 3 rd Ed
Nickel (Ni)	ng/m	BDL(MDL<7)	20	MAS	SA-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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Authorized

Annexure -B badekar Enviro Engineers Pvl. Ltd.

Plor No. A-95, Road No. 16, Kisan Nager Road, M.D.C. Wagle Incustrial Area, Thane - 400 804. Maharashtra Stata, India. ?(* 191-22) 2583 33217 2583 3322 / 2583 3323 / 2583 3324 9 E-mail : pra@sadekarenviro.com / psadekar5@gmail.orw

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RESULT
71.3
15,4
11.9
0.37
0.0021



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Due and Ma	ESECT/A	A/09/21/261	i Da	le	08/10/2021
Report No Name of Client		LAXY SURFAC			
Address of Client	Rial No.	V-23 & 01, MID	C faloia Tal Pa	wel Dist Ra	igad - 410208
		resentative	<u>e i uloja, i al i al</u>		
Sample collected by	AA Nep	Cacinative	······································		· · · · · · · · · · · · · · · · · · ·
Reference	21/09/20	121	Sample Receipt	Date	22/09/2021
Date of sampling	23/09/20		Analysis Compl	the Date	24/09/2021
Analysis Start Date	2.509/20	DETAILS	OF STACK		
		Unit		J	Result
Description Stack No.					S-2
Stack No.				Coal Fire	Boiler (5TPH)
SHICK ATTRACTED TO					arator + Bag Filter
Shape	+	,			Round
Diameter		M	····		0.4
Height From Ground Level					35.0
Lemperature		"C			183
Velocity of Flue Gases		M/Sec		·	9.16
Volume of Flue Gases	— - †	Nm ³ /Hr			2707
Type of Fuel		Kg/Hr.			Coal
POLLUTION PARAMET	ERS				
PARAMETERS	<u> </u>	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11	255 (part I)-1985	mg/Nm ²	150	48.9
Sulphur Di-Oxide	15 124	5 (part II) - 1985	kg/day	180	6.94
Oxide of Nitrogen		255 (part 7)-2005	ppm		5.90
Carbon Dioxide	· · · · · · · · · · · · · · · · ·	\$ 307 :1966	mg/m'		0.25
Sulphates		PA Method	ppm	N.A.	1.08
Chloride		A-26 A Method	ing/Nm	N.A	0.06
SulphurContent	+		%	0.5	0.0040
NOTE: 1)The above result	s relate on	y to the condition	prevailing at the	time of samp	oling.
2) The above resul	ts relate or	ily to the item test	ed.		
3) BDL - Below D	erectable I	.imit.			
					• / E · · · · ·
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Report No	SELT/A	A/09/21/262	D	ate	08/10/202
Name of Client	M/s GA	LAXY SURFAC	TANTS LIMIT	'ED	
Address of Client	Plot No.	V-23 & 01, MID	C Taloja, Tal. Pa	anvel, Dist. Ra	igad - 410208
Sample collected by	AA Rep	resentative			
Reference					
Date of sampling	21/09/20)21	Sample Receip	n Date	22/09/2021
Analysis Start Date	23/09/20)21	Analysis Com	nlete Date	24/09/2021
		DETAILS	OF STACK		
Description	1	Unit			Result
Stack No.					<u>S-3</u>
Stack Attached To					e Boiler (EOU)
Shape				i	Round
Diameter		Μ			0.4
Height From Ground Level		M			30.25
Temperature		°C		· -	178
Velocity of Flue Gases		M/Sec			9.11
Volume of Flue Gases		Nm ³ /11r			2728
Type of Fuel	🔟	Kg/Hr.			F.O
POLLUTION PARAMETI		AUTODAN	UNIT	LIMIT	RESULT
PARAMETERS		METHOD			
Total Particulate Matter		255 (part I)-1985	mg/Nm ³	150	98,4
Sulphur Di-Oxide	IS 1255 (part 11) - 1985		kg/day	156	4.18
Oxide of Nitrogen		255 (part 7)-2005	ppm		8.62
Carbon Dioxide	1	\$ 307 :1966	mg/m³		0.29
Sulphur Content			0/6	4.5	0.0024

BDL Below Detectable Limit.

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"这些我们的"这个时间,这些人们还是这个问题,你们还不是你的你的,你们都是你说了。"他们都能能不是她的的感情的。"她能要

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1/AA/09/21/253 GALAXY SURFAC No. V-23 & 01. M11x Representative 1/2021 1/2021 DETAILS Unit	TANTS LIMIT	anvel, Dist. Rai	08/10/2021 gad 410208 30/09/2021 02/10/2021
No. V-23 & 01, MHX Representative 9/2021 9/2021 DETAILS	C Taloja, Tal. Pa Sample Receip Analysis Comp	anvel, Dist. Rai	30/09/2021
Representative 2021 2021 2021 DETAILS	Sample Receipt	t Date	30/09/2021
DETAILS	Analysis Comp		
DETAILS	Analysis Comp		
DETAILS	Analysis Comp		
Unit	·····		
		R	csult
		· · · · · · · · · · · · · · · · · · ·	3-4
		Scrubber I	No .1 (V-23)
-			ound
M		().6
M			30
°C			45
M/Sec	·····	6	.68
Nm ³ /Hr		6	368
		·	
METHOD	UNIT	LIMIT	RESULT
11255 (part I)-1985	mg/Nm ³	150	18.1
255 (part II) - 1985	ppm	50	B.D.L (MDL <)
11255 (part 7)-2005	ррл	NA	1.23
IS 307 : 1966	nie/Nm	NA	0.12
EPA Method		35.00	10.91
	M °C M/Sec Nm ³ /Hr METHOD 11255 (part 1)-1985 255 (part 1)-1985 11255 (part 7)-2005 IS 307 :1966 EPA Method nly to the condition p	M °C M/Sec Nm³/Hr 11255 (part I)-1985 mg/Nm³ 255 (part I)-1985 ppm 11255 (part 7)-2005 ppm 11255 (part 7)-2005 ppm 11255 (part 7)-2005 ppm 1255 (part 7)-2005 ppm 15 307 : 1966 mg/Nm² EPA Method mg/Nm²	M Rc M (1) ⁰ C (2) M/Sec 6 Mm ³ /Hr 6 11255 (part I)-1985 mg/Nm ³ 150 255 (part I)-1985 11255 (part I)-1985 ppm 50 50 11255 (part I)-1985 ppm 11255 (part 7)-2005 ppm NA 15 IS 307 :1966 mg/Nm ³ EPA Method mg/Nm ³ mty to the condition prevailing at the time of samplin



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Report No	ESEET/2	A/09/21/260	Da	ie i i i i i i i	08/10/202
Name of Client	M/s G	ALAXY SURFAC	TANTS LIMIT	ÉĎ	<u> </u>
Address of Client	Plot No	. V-23 & 01, MID	C Taloja, Tal. P.a	evel, Dist. Re	tigad 410208
Sample collected by		oresentative			
Reference					
Date of sampling	29/09/2	2021	Sample Receipt	Date	30/09/2021
Analysis Start Date	01/10/2	021	Analysis Compl	ete Date	02/10/2021
		DETAIL	S OF STACK		
Description		Unit			Result
Stack No.					S-5
Stack Attached To					r No ,2 (EOU)
Shape				1	Round
Diameter		М			0.6
Height From Ground Level		М			30
Temperature		°C		_	44
Velocity of Flue Gases		M/Sec			7.35
Volume of Flue Gases		Nm³/Hr		··· ··· ··· ···	7029
Type of Fuel					
POLLUTION PARAMETI	ERS			•	
PARAMETERS	L	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	1511	255 (part I)-1985	mg/Nm [*]	150	17.8
Sulphur Di-Oxide	IS 12	55 (part II) 1985	ppm	50	28.9
Oxide of Nitrogen	IS II	255 (part 7)-2005	ppm	NA	08,24
Carbon Dioxide	IS 307 :1966		mg/m ³	NA	0.13
Acid Mist		EPA Method	mg/Nm ³	35.00	10.82
NOTE: 1)The above results r 2) The above results r 3) BDL - Below Dete	elate only	y to the item testee		me of sampli	ng.

Authorized By 13, 13, 2 23

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BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India 💮 : (0832) 2437048 / 2437164 E-mail : sadekarenviro@rediffmeil.com

LABORATORY

: B-306/307, Ptot No. 61, Patel Estate, Reis Magos, Verem, Alto. Old Belim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. (): (0832) 2411322 / 23 > E-mail - startabgoa@rediffmail.com C/N No. U45209MH1998PTC-116/779

Sadekar Enviro Engineers Pvt. Ltd.

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Report No	SEET/AA/09/21/268	1	Date	•	08/10/202
Name of Client	M/s GALAXY SUR	FACTANTS	LIMITED		
Address of Client	Plot No. V-23 & 01,	MIDC Taloja,	Tal, Panvel, I	Dist. Rai	gad - 410-208
Sample collected by	AA Representative				
Reference					
Date of sampling	21/09/2021	Sample	Receipt Date		22/09/2021
Analysis Start Date	23/09/2021	Analysi	Complete D	ate	24/09/2021
	DET	AILS OF STA	ICK		
Description	Uni			R	esult
Stack No.					S-6
Stack Attached To			S	cruhber	No.3 (MED)
Shape				R	ound
Diameter	M				0.6
Height From Ground Level	M				30
Temperature	°C				39
Velocity of Flue Gases	M/Sec			7	.25
Volume of Flue Gases	Nm ³ /H	r		7	045
Type of Fuel			<u> </u>		
POLLUTION PARAMETE	2000 Carl 1000 Carl 1000				
PARAMETERS	METHOD			MIT	RESULT
Total Particulate Matter	IS 11255 (part 1)-1	985 mg/	Nm	150	24,2
Sulphur Di-Oxide	IS 1255 (part II) -	1985 p	2013	50	14.9
Oxide of Nitrogen	IS 11255 (part 7)-2	2005 p	าก ใ	NA	7.60
Onde di Indiogen	1\$ 307 :1966	ារខ្ល	m l	NA	0.26
Carbon Dioxide	10,101,100		Nm 3.	5.00	12.75

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BRANCH OFF. : \$10, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India (): (0832) 2437048 / 2437164 E-mail: sadekarenviro@rediffmail.com + Class to save consected in the

LABORATORY : 8-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Batim Road, Bardez, Porvorim, Panaji-Goa-403 101 Goa State, India. (): (0832) 2411322 / 23 * E-mall : starlabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116370

Sadekar Enviro Engineers Pvt. Ltd.

Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wage Industrial Area, Thane - 490 604, Maharashina Statu, India (* 1 (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

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Name of Client M/s GALAXY SURFACTANTS LIMITED Address of Client Plot No. V-23 & 01. MIDC Taloja, Tal. Parvel, Dist. Raigad - 410208 Sample collected by AA Representative Reference	Name of Client Address of Client Sample collected by Reference Date of sampling Analysis Start Date Description	M/s GALAXY SU Plot No. V-23 & 01 AA Representative 22/09/2021 24/09/2021	RFACTANTS LIMI . MIDC Taloja, Tal.	ITED Parvel, Dist. R	08/10/2021 aigad <u>- 410208</u>
Address of Client Plot No. V-23 & 01. MIDC Taloja, Tal. Provel, Dist. Raigad - 410208 Sample collected by AA Representative Reference Date of sampling 22/09/2021 Sample Receipt Date 23/09/2021 Analysis Start Date 24/09/2021 Description Unit Result Stack No. S-7 Stack Attached To S-7 Stack Attached To Round Diameter M 0.8 Height From Ground Level M 0.8 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases M/Sec 10,54 Volume of Flue Gases M/Sec 10,54 POLLUTION PARAMETERS METHOD UNIT LIMIT RESU PARAMETERS METHOD UNIT Limit RESU Oxide of Nitrogen IS 1255 (part 1)-1985 mg/Nm ³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA 4.98 Sulphur Di-Ox	Sample collected by Reference Date of sampling Analysis Start Date Description	Plot No. V-23 & 01 AA Representative 22/09/2021 24/09/2021	. MIDC l'aloja, Tal.	Panvel, Díst. R	aigad <u>- 410208</u>
Sample collected by AA Representative Reference 23/09/2021 Date of sampling 22/09/2021 Analysis Complete Date 23/09/2021 Analysis Start Date 24/09/2021 Analysis Complete Date 26/09/2021 DETAILS OF STACK Description Unit Result Stack No. S-7 Stack Attached To 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 189 Velocity of Flue Gases Mi/Sec 10,54 Volume of Flue Gases Mi/Sec 10,54 Volume of Flue Gases Nm ² /Hr 12296 Type of Fuel Kg/Hr. F.O POLLUTION PARAMETERS METHOD UNIT LIMIT RESU Fotal Particulate Matter IS 11255 (part 1)-1985 mg/Nm ² 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA <td>Reference Date of sampling Analysis Start Date Description</td> <td>AA Representative 22/09/2021 24/09/2021</td> <td></td> <td>·</td> <td></td>	Reference Date of sampling Analysis Start Date Description	AA Representative 22/09/2021 24/09/2021		·	
Reference Sample Receipt Date 23/09/2021 Date of sampling 22/09/2021 Analysis Complete Date 23/09/2021 Analysis Start Date 24/09/2021 Analysis Complete Date 26/09/2021 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 189 Velocity of Flue Gases Nm²/Hr 12296 Iype of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT LIMIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25	Date of sampling Analysis Start Date Description	22/09/2021 24/09/2021	Sample Rece	·	
Analysis Start Date 24/09/2021 Analysis Complete Date 26/09/2021 DETAILS OF STACK Description Unit Result Stack No. S-7 Stack Attached To D.G. Set I.9 MW (EOU) Shape Round Diameter M 0.8 Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr. F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT LIMIT RESU Sulphur Di-Oxide IS 1255 (part 1)-1985 mg/Nm² 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25 Sulphur Content % 4.5 0.001	Analysis Start Date Description	24/09/2021	Sample Rece		
Analysis Start Date 24/09/2021 Analysis Complete Date 26/09/2021 DETAILS OF STACK Description Unit Result Stack No. S-7 Stack Attached To D.G. Set I.9 MW (EOU) Shape Round Diameter M 0.8 Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm ⁷ /Hr 12296 Iype of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT LIMIT RESU Sulphur Di-Oxide IS 1255 (part 1)-1985 mg/Nm ³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m ³ NA 0.25 Sulphur Content % 4.5 0.004	Description	·		pt Date	23/09/2021
Description Unit Result Stack No. \$-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 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr. F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 53.8 Sulphur Di-Oxide IS 1255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 : 1966 mg/m² NA (0.25 Sulphur Content % 4.5 0.004		DE	Analysis Con		
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 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm³/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m³ NA 0.25 Sulphur Content % 4.5 0.004		DE	FAILS OF STACK		
Stack Attached To D.G. Set I.9 MW (EOU) Shape Round Diameter M 0.8 Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT PARAMETERS METHOD UNIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25 Sulphur Content % 4.5 0.004	Stack No.	Un	it	•··	Result
Shape Round Diameter M 0.8 Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT LIMIT Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14,1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4,98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25 Sulphur Content %6 4,5 0.004					S-7
Diameter M 0.8 Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT PARAMETERS METHOD UNIT LIMIT Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25 Sulphur Content %6 4.5 0.004				D.G. Set	L9 MW (EOU)
Height From Ground Level M 45 Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT PARAMETERS METHOD UNIT Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day Sulphur Di-Oxide IS 11255 (part 7)-2005 ppm Carbon Dioxide IS 307 :1966 mg/m² NA Garbon Dioxide %6 4.5 0.004	Shape	-]		Round
Temperature °C 189 Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm³/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT RESU PARAMETERS METHOD UNIT LIMIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m³ NA 0.25 Sulphur Content % 4.5 0.004	Diameter	M			0.8
Velocity of Flue Gases M/Sec 10,54 Volume of Flue Gases Nm²/Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm² 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m² NA 0.25 Sulphur Content % 4.5 0.004		M			45
Volume of Flue Gases Nm ⁷ /Hr 12296 Type of Fuel Kg/Hr, F.O POLLUTION PARAMETERS METHOD UNIT LIMIT RESU PARAMETERS METHOD UNIT LIMIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm ³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m ³ NA 0.25 Sulphur Content % 4.5 0.004	Temperature	°C			189
Iype of Fuel Kg/Hr. F.O POLLUTION PARAMETERS FO UNIT LIMIT RESU PARAMETERS METHOD UNIT LIMIT RESU Total Particulate Matter IS 11255 (part 1)-1985 mg/Nm ² 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m ² NA 0.25 Sulphur Content % 4.5 0.001	Velocity of Flue Gases	M/Se	c		10,54
POLLUTION PARAMETERS PARAMETERS METHOD UNIT LIMIT RESU I otal Particulate Matter IS 11255 (part 1)-1985 mg/Nm ² 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m NA (0.25) Sulphur Content % 4.5 0.001	Volume of Flue Gases	Nm ³ /I	lr .		12296
PARAMETERS METHOD UNIT LIMIT RESU fotal Particulate Matter IS 11255 (part 1)-1985 mg/Nm ² 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m ² NA 0.25 Sulphur Content % 4.5 0.001			Г,		F.O
International Particulate Matter IS 11255 (part 1)-1985 mg/Nm³ 150 53.8 Sulphur Di-Oxide IS 1255 (part 1)-1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m° NA 0.25 Sulphur Content % 4.5 0.001		FERS		-	
Sulphur Di-Oxide IS 1255 (part 11) – 1985 kg/day 864 14.1 Oxide of Nitrogen IS 11255 (part 7)–2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m NA 0.25 Sulphur Content % 4.5 0.001	PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Oxide of Nitrogen IS 11235 (part 7)-2005 ppm NA 4.98 Carbon Dioxide IS 307 :1966 mg/m NA 0.25 Sulphur Content % 4.5 0.001	fotal Particulate Matter	IS 11255 (part 1)-	1985 mg/Nm ³	150	53.8
Carbon Dioxide IS 307 : 1966 mg/m NA 0.25 Sulphur Content % 4.5 0.001	Sulphur Di-Oxide	IS 1255 (part 11) -	1985 kg/day	864	4.1
Sulphur Content % 4.5 0.001	Oxide of Nitrogen	IS 11255 (part 7)-	2005 ppm	NA	4,98
	Carbon Dioxide	IS 307 :1966	mg/m	NA	0.25
	Sulphur Content		9%	4.5	0.0018
 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. 	Sulphur Content NOTE:1)The above results 2) The above result	relate only to the cond s relate only to the item	tion prevailing at the	4.5	0.001



BRANCH CFR → 1310, Dempo Towers, EDC Patto, Panaji-403.001, Goa State, India ② . (0832) 2437048 / 2437164 E-mail clamekarenviro@rediftmat.com e Science Constants - Look

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Pict 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 / 2563 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekar5@gmail.com

Report No	SEE17AA/09/21/271	Da	ue	08/10/202
Name of Client	M/s GALAXY SURF	ACTANTS LIMIT	ED	
Address of Client	Plot No. V-23 & 01, M	IDC Taloja, Tal. Pa	avel, Dist Ra	aigad 410208
Sample collected by	AA Representative			
Reference				
Date of sampling	22/09/2021	Sample Receipt		23/09/2021
Analysis Start Date	24/09/2021	Analysis Comp	lete Date	26/09/2021
· · · · · · · · · · · · · · · · · · ·	DETA	ILS OF STACK		
Description	Unit			Result
Stack No.				S-8
Anached To			· · · · · · · · · · · · · · · · · · ·	et 1000 KVA
Shape				Round
Diameter	M			0.8
Height From Ground Level	М			
Temperature	°C		_	177
Velocity of Flue Gases	M/Sec		- <u></u> 	9.88
Volume of Flue Gases	Nm ³ /Hr			11833
Type of Fuel	Kg/Hr.			H.S.D
POLLUTION PARAMET				
PARAMETERS	METHOD	UNIT	LIMIT	RESULT
Total Particulate Matter	IS 11255 (part I)-19	85 mg/Nm ³	150	45.9
Sulphur Di-Oxide	18 1255 (part 11) 19	985 kg/day	96	6.44
Oxide of Nitrogen	IS 11255 (part 7)-20	05 ppm	NA	4.12
Carbon Dioxide	15 307 :1966	mg/m ³		
Sulphur Content		% on prevailing at the t	1.0	0.0008

Authorized By

BRANCH DFE 1 310, Dempo Towers, EDC Patto, Panaji-403 001. Gos State, India (2): (0832) 2437048 / 2437164 E-mail : sadekarenviro@redifimat.com * Towers and the state comments
 LABORATORY : B-306/307, Plot No. 61, Patel Estate, Reis Magos, Veren, Alto, Old Belim Road, Bardez, Porvorim, Panaji-Gos-403 191 Gos State, India. (2): (0832) 2411322 / 23 * E-mail : starlabgoe@redifimat.com * CIN No. 045209MH1998PTC-116379

Maharashtra Pollution Control Board



महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Application UAN number UAN No.0000085185

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

Unique Application Number MPCB-ENVIRONMENT_STATEMENT-0000036091

PART A

Company Information

Company Name Galaxy Surfactants Limited

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

Plot no V-23 & 01

Capital Investment (In lakhs) 31615.24

Pincode 410208

Telephone Number 39215300

Consent Valid Upto

Region SRO-Taloja

28/02/2022

Last Environmental statement submitted online yes

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

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

Establishment Year

1980

Taluka

Panvel

Scale

Person Name

Fax Number

Industry Category

Consent Number

Mr. Seshu

27411701

Red

LSI

Submitted Date 22-09-2021

Village Chal

City Panvel

Designation Head Conversion

Email seshu@galaxysurfactants.com

Industry Type other

Consent Issue Date

01/07/2020

Date of last environment statement submitted Sep 23 2020 12:00:00:000AM

Product Information			
Product Name	Consent Quantity	Actual Quantity	UOM
Anionic surfactants (on 100% AM basis) such as Fatty Alcohol Sulphate, Fatty Alcohol ether sulphates etc.	85680	62565	MT/A
Ethylene Oxide Condensate	60000	36745	MT/A
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	18240	5854	MT/A
Sulphosuccinates	720	0	MT/A
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	15840	1077	MT/A

Fatty Acid Esters, Fatty alkanol amides and esterquats	20400	6270	MT/A
By-product Information By Product Name	Consent Quantity	Actual Quantity	UOM
Conc. Sulphuric Acid	1584	635	MT/A
Sodium Sulphate 20-25 $\%$ solution , Solids 37.5 MT/ M	2160	351	MT/A

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day		
Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	320.00	169.08
Cooling	380.00	200.66
Domestic	65.00	34.32
All others	20.00	10.53
Total	785.00	414.59

2) Effluent Generation in CMD / MLD			
Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	184.00	147.89	CMD
Domestic Effluent	60.00	27.45	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.	0.0059	0.0066	CMD
Ethylene Oxide Condensate	0.099	0.011	CMD
Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc.	0.061	0.070	CMD
Sulphosuccinates	0	0	CMD
Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc.	0.311	0.385	CMD
Fatty Acid Esters, Fatty alkanol amides and esterquats.	0.057	0.066	CMD
Conc. Sulphuric Acid (By Product)	0.54	0.65	CMD
Sodium Sulphate 20-25 % solution , MT/ M (By Product)	1.15	0.036	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	иом
Ethylene Oxide	0.258	0.261	MT/A
Caustic Lye	0.291	0.284	MT/A
Fatty Alcohol	0.711	0.691	MT/A
Sulphur	0.106	0.104	MT/A
CFA	0.92	0.450	MT/A
DMAPA	0.024	0.254	MT/A

MCA	0.023	0.241	MT/A
MEA	0.139	0.130	MT/A
MEG	0.048	0.054	MT/A
Stearic Acid	0.415	0.445	MT/A
Fatty Alcohol Ethoxylates	0.154	0.011	MT/A
Hydrogen Peroxide	0.001	0.01	MT/A
DMLA	0	0.0	MT/A
Starch	0.022	0.013	MT/A
Citric Acid	0.004	0.005	MT/A
Cetostearyl Alcohol	0.150	0.005	MT/A
Ammonia	0	0.011	MT/A
Cetyl Alcohol (C16-95%)	0	0.0005	MT/A

4) Fuel Consumption			
Fuel Name	Consent quantity	Actual Quantity	UOM
Coal	6570	3783.01	MT/A
FO	4266.12	222.23	MT/A
HSD	1489.2	14.068	KL/A

Part-C

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

[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		
		Quantity	Concentration	%variation	Standard	Reason
	рН	0	6.98	17.88	6.0 - 8.5	Within MPCB norms
	BOD	0	1.0	99	100	Within MPCB norms
	COD	0	9.57	96.17	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	73.00	96.52	2100	Within MPCB norms
	Sulphates	0	43.50	95.65	1000	Within MPCB norms
	Chlorides	0	19.20	96.80	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

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	
TPM - (S-6 MED)	0.197	27.3	81.20	150	Within MPCB norms
SO2 - (S-6 MED)	0	0	0	50	Within MPCB norms
TPM - (S1 2.5 TPH)	0.80	71.9	34.26	150	Within MPCB norms
SO2 - (S1 2.5 TPH)	13.4	49.86	90.02	86.4	Within MPCB norms
TPM - (S2 5 TPH)	0.27	97.5	27.8	150	Within MPCB norms
SO2- (S2 5 TPH)	7.32	109.63	43.83	12.0	Within MPCB norms
TPM- (Thermopac)	0.21	76.2	33.80	150	Within MPCB norms
TPM- (SO2)	6.56	97.79	96.71	155.82	Within MPCB norms
TPM- (V-23 Scrubber No.1)	0.133	20.33	86.13	150	Within MPCB norms
SO2- (V-23 Scrubber No.1)	0	0	98.0	50	Within MPCB norms
TPM- (EOU Scrubber No.2)	0.161	22.5	79.66	150	Within MPCB norms
SO2- (EOU Scrubber No.2)	0	0	98.0	150	Within MPCB norms
TPM - (D.G Set 1.9 MW)	0.514	43.7	69.13	150	Within MPCB norms
SO2 - (D.G Set 1.9 MW)	18.2	61.200	99.37	810	Within MPCB norms
TPM - (D.G Set 1000 KVA)	0.55	46.8	70.33	150	Within MPCB norms
SO2 - (D.G Set 1000 KVA)	7.26	25.44	94.41	81.6	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	1.37	5.560	MT/A
1.6 Spent catalyst and molecular sieves	0.29	0.71	MT/A
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	19.21	16.78	MT/A
33.2 Contaminated cotton rags or other cleaning materials	0.03	0.0	MT/A
5.2 Wastes or residues containing oil	0.940	0.83	MT/A

2) From Pollution Control Facilities			
Hazardous Waste Type	Total During Previous Financial	Total During Current Financial	UOM
35.1 Exhaust Air or Gas cleaning residue	year 71.02	year 77.97	MT/A
55.1 Exhaust All of Gas cleaning residue	/1.02	/1.9/	MI/A
35.3 Chemical sludge from waste water treatment	80.78	64.37	MT/A
37.3 Concentration or evaporation residues	0	91.05	MT/A

Part-E

Waste Paper/ paper bags	23.70	48.294	MT/A
Corrugated Box	0.0	0.0	MT/A
Broken Glass	1.12	1.99	MT/A
Used decontaminated drums	2458	4471	Nos./Y
Plastic/HDPE decontaminated bags	23.500	16.156	MT/A
Flexi bags	1450	1735	Nos./Y
Filter elements	0.0	0	Nos./Y
Wooden scrap	11.8	114.58	MT/A
Noncontaminated Plastic	0	16.098	MT/A
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	0	14.46	MT/A
Wooden scrap	11.931	11.8	MT/A
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	0	1.2	MT/A
Miscellanious 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)	0.25124	331.26	MT/A

3) Quantity Recycled or Re-utilized within the unit			
Waste Type	Total During Previous Financial year	Total During Current Financial year	ИОМ
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	5.560	MT/A	Disposed to MWML
1.6 Spent catalyst and molecular sieves	0.710	MT/A	Disposed to MWML
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	16.78	MT/A	Disposed to MWML
33.2 Contaminated cotton rags or other cleaning materials	0	MT/A	NA
5.2 Wastes or residues containing oil	0.83	MT/A	NA
35.1 Exhaust Air or Gas cleaning residue	77.97	MT/A	Disposed to MWML
35.3 Chemical sludge from waste water treatment	64.37	MT/A	Disposed to MWML
37.3 Concentration or evaporation residues	91.05	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	48.294	MT/A	100% Sale to authorized party
Corrugated Box	0.0	MT/A	NA

Broken Glass	1.99	MT/A	100% Sale to authorized party
Used decontaminated drums	4471	Nos./Y	100% Sale to authorized party
Plastic/HDPE decontaminated bags	16.156	MT/A	100% Sale to authorized party
Flexi bags	1735	Nos./Y	100% Sale to authorized party
Filter elements	0.0	Nos./Y	NA
Wooden scrap	114.58	MT/A	100% Sale to authorized party
Boiler Ash (Coal Fired boiler)	331.26	MT/A	100% Sale to authorized party
Non-contaminated Plastic	16.098	MT/A	100% Sale to authorized party
Insulation Waste (LRB, PUF, Calcium Silicate, Nirrile rubber, Cerawool, Asbestos Rope, etc)	14.46	MT/A	100% Sale to authorized party
Process Consumables (Silica gel, Ceramic, Alumina, etc.)	1.2	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

[A] Investment made during the period of Environ	nmental	
Statement		
Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
ETP With ZLD SYSTEM	NA	45
[B] Investment Proposed for next Year		
Detail of measures for Environmental Protection	Environmental Protection Measures C	apital Investment (Lacks
Change in use of Fuel from Coal to GAS	FOR BOILER 8	00

Part-I

Any other particulars for improving the quality of the environment.

Particulars Planted 55 trees in plant premises

Name & Designation Mr. Seshu, Head Conversion

UAN No: MPCB-ENVIRONMENT_STATEMENT-0000036091

Submitted On:

22-09-2021

FORM FOR FILING ANNUAL RETURNS

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

		Submitted On: 17-06-2021					
Submitted for Year: April 2020 to March 2021							
 Name of the generator/ope Galaxy Surfactants Ltd. 	erator of facility			nts Ltd., Plot No. V-2 o. 1, Village Chal, T			
1b. Authorization Number			Date of issue	Date of issue		Date of validity of consent	
Format1.0/CAC/UAN No. 0000085	5185/CR-2007000092 Date	: 01.07.2020	Jul 1, 2020			Feb 28,	2022
2. Name of the authorised person Avinash Shinde		Full address of authorised person Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal. Panvel, Dist.Raigad PIN no:- 410208					
Telephone	Fax	Email					
02239215300	02227411702	avinash.	.shinde@galaxysu	rfactants.com			
3.Production during the year (pro	oduct wise), wherever applie	cable					
Product Type *	Product Name *			Consented Quantity	Actual Quanti		иом
Chemical ,Petrochemical &Electrochemical	Anionic surfactants Fatty Alcohol sulph Sulphate etc.	•		85680.0000	62565		MT/A
Chemical ,Petrochemical &Electrochemical	Ethylene Oxide Co	ndensate		60000.0000	36745		MT/A
Chemical ,Petrochemical &Electrochemical	Cationic Surfactan Betaine, Quaterna	•		18240.0000	5854		MT/A
Chemical ,Petrochemical &Electrochemical	Sulphosuccinates			720.0000	00		MT/A
Chemical ,Petrochemical &Electrochemical	Surfactant blends Syndet Soap- Gran etc.			15840.0000	1077		MT/A
Chemical ,Petrochemical &Electrochemical	Fatty Acid Esters, F esterquats.	Fatty alkanol	amides and	20400.0000	6270		MT/A
Chemical ,Petrochemical &Electrochemical	Concentrated Sulp	huric Acid (By	/ Product)	1584.0000	634.52		MT/A
Chemical ,Petrochemical &Electrochemical	Sodium Sulphate 2 MT/ M (By Product)		on ,Solids 37.5	2160.0000	351.27	5	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	Spent Catalyst and molecular sieves	6.000	0.71	MTA
sieves				

5.1 Used or spent oil	Used or Spent oil	6.000	5.56	ΜΤΑ
5.2 Wastes or residues containing oil	Wastes or Residues containing oil	1.000	0.83	MTA
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	Empty barrels/containers/liners contaminated with hazardous chemicals/wastes	24.000	16.78	МТА
33.2 Contaminated cotton rags or other cleaning materials	Contaminated cotton rags or other cleaning materials	1.000	00	МТА
37.2 Ash from incinerator and flue gas cleaning residue	Flue gas cleaning residue*	98.400	77.97	МТА
35.3 Chemical sludge from waste water treatment	Chemical Sludge from waste water treatment	108.000	64.37	МТА
37.3 Concentration or evaporation residues	MEE Solid Waste	180.000	91.05	МТА
2. Quantity dispatched category wise.				
Type of Waste	Quantity of waste	UOM	Dispatched to	Facility Name
1.6 Spent catalyst and molecular sieves	0.71	MTA	Disposal Facility	-
5.1 Used or spent oil	5.56	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
5.2 Wastes or residues containing oil	0.83	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	16.78	MTA	Disposal Facility	Mumbai waste management Ltd
33.2 Contaminated cotton rags or other cleaning materials	00	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
37.2 Ash from incinerator and flue gas cleaning residue	77.97	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
35.3 Chemical sludge from waste water treatment	64.37	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
37.3 Concentration or evaporation residues	91.05	ΜΤΑ	Disposal Facility	Mumbai waste management Ltd
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 th	e year			
Type of Waste	Name of Waste	Quantity of Waste	UOM	
	NA	0	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		
Direct landfilling	ИОМ	

Direct landfilling	UOM
NA	KL/Anum

Landfill after treatment	UOM
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 fron domestic sources	n 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 NA				UOM KL/Anum	
3. Quantity of waste recycled or co-procesed or used					
Name of Waste NA	Ty NA	pe of Waste	Quantity NA	UOM KL/Anum	
4. Quantity of products dispatched (wherever applicable)					
Name of product NA		Quantity NA	UOM KL/Anum		
5. Total quantity of waste generated					
Waste name/category NA		quantity NA	UOM KL/Anum		
6. Total quantity of waste disposed					
Waste name/category NA		quantity NA	UOM KL/Anum		
7. Total quantity of waste re-exported (If Applicable)					
Waste name/category NA		quantity NA	UOM KL/Anum		
8. Quantity in storage at the end of the year					
Waste name/category NA		quantity NA	UOM KL/Anum		
Personal Details					
Place Taloja		Date 2021-06-17	Designation Sr. Manager-SHE/II	nstrumentaion process	