

Galaxy Surfactants Ltd.

Global Supplier to Global Brands

Environment Department Room no.217, 2nd Floor, Mantralaya Annex, Mumbai 400032. 21.07.2020

Dear Sir,

Subject: Compliance report of Environment Clearance

Ref

: SEIAA Letter No.: SEAC-2212/CR-494/TC-2 dated 08.04.2015 and

Subsequent amendment in Environment clearance vide letter no. SEIAA-

2016/CR 05/TC 3 dated 19.05.2016 and SEIAA letter no.: SEAC-

2010/CR.448/TC.2

Please find attached half yearly compliance report from January 2020 to June 2020, 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

Sesha Samba Murty Head Conversion Process

Encl: As above

CC

 1. Maharashtra Pollution Control Board Raigad Bhavan, 7th Floor, Sector-11, CBD Belapur, Navi Mumbai

 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 : Galaxy Surfactants Ltd Plot No.V-23 Taloja MIDC

Taluka Panvel, Dist. Raigad

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

Email of galaxy@galaxysurfactants.com



COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (Period: January 2020 - June 2020)

Project

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

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

Products:

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

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

| Sr. No. | Conditions | Compliance Status |
|------------|--|--|
| 1 | The Environment Clearance is issued subject to condition that PP shall be responsible for end disposal of Hazardous Waste to authorized dealer (b) PP to abide by the submitted specific effluent characteristics after treatment. | We shall be responsible for end disposal of Hazardous Waste to Authorized dealer. We will abide by the specific effluent characteristics after treatment. |
| | | Complied. |

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| 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 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. | 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 programmes 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 harvesting scheme has been implemented to store the rain water. |
| 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. | We are not using ground water and hence this is not applicable to us. |
| 12 | Leq of Noise Level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided. | Noise level maintained as per standards. The operating personnel use protective equipment like earmuff and earplug Complied. |

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| 13 | The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989. | The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on noise generating equipment like DG Set, blowers etc. to minimize noise. |
|----|---|---|
| 14 | Green belt shall be developed and maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Dept. | Green belt area of 4080 sq. mtrs. Developed. 1045 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. Due to Covid-19 Health checkup was not carried out in June 2020. It will be planned in first week of October 2020. |
| 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 / |

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| | | Residue Containing Oil (1 MT/A), Discarded Containers / barrels / liner (24 MT/A), Flue Gas Cleaning Residue (98.4 MT/M), Chemical Sludge from waste water treatment plant (108 MT/A) by incineration and Spent Catalyst (6 MT/A) by landfill. |
|----|--|---|
| | | Used / Spent oil (6 MT/A), Cotton waste (Residue & Waste) 1MT/A will be sold to MPCB Authorized Vendor. |
| | | We maintain the record for hazardous waste generation & disposal in Form 3 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. | Minimizing and recycling of waste/By- product is being taken as program under EHS viz. DMAPA recovery water is being distilled out to get DMAPA and then it is recycle. Use of level transmitters in storage tank and adjustment vessel to avoid 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. Due to Covid-19 total evacuation mock drill was not carried out in the month of May 2020 as per schedule and this was informed to DISH authority. However, regular internal plant wise mock drills were carried out. Complied. |
| 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. |
| 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 as from Cyclone separator & bag filter in drums & then shifted to dedicated area. |

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| | | 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 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 be reported to the MPCB and this department. | Zero Investment in the project. Existing EMP cost used in the project. |
| 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 1st June and 1st December of each calendar year. | Complied. |
| 2.7 | 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 | Complied. Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on our 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 |

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| 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 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 2018-19 submitted online with the MPCB website on 29.09.2019 and hard Copy of the same was submitted on 30.09.2019. 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 under Air and Water Act and a copy shall be submitted to the Environmental department before start of any construction work at the site. | Complied. Copy of Consent to Establish was submitted in earlier EC Compliance report. |
| 2 | No land development / construction work preliminary or otherwise relating to the project shall taken up without obtaining due clearance from respective authorities. | 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. |

(Later)

For Galaxy Surfactants Limited

Sesha Samba Murty

Head Conversion Process





Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Aren, Thane - 400 604, Maharashtra State, India. ₹ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 ▼ E-mail : prsi@sadekarenviro.com / psadekar5@gmail.com SRIVE LUMITAR SRIVE LIFE

Gazetted by Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 * QCI-NABET Accredited EIA Consultancy

Lab. accredited by NABL, Valid up to 26.03.2020 * Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

| Report No | SEET/AA/GS | 1/2020/35 | | Date | 1 | 10/02/2020 | | |
|--------------------------------------|---|-------------------|--------|---------------------|--------------------------------|---------------------------|--|--|
| Name of Client | M/s GALAXY | | | | | | | |
| Address of Client | Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad-410208 | | | | | | | |
| Sample collected by | | AA Representative | | | npling | 24 hrs | | |
| Reference | Miles (| | | | | | | |
| Date of sampling | 30/01/2020 | | | Sample Receip | | 31/01/2020 | | |
| Analysis Start Date | 01/02/2020 | | J. | Analysis Comp | lete Date | 05/02/2020 | | |
| PHIMIT PROPERTY. | 1 4/1/20/2015 | AMBIENT A | AIR ST | TATION | | | | |
| Location of H.V.S. | Near Admin C | | | al Distance 5.0 Mtr | | r. From Admin Gate | | |
| Ambient Temperature | pient Temperature 31.7°C Reco | | | ptor Distance | | | | |
| Attioner Paniparane | P | POLLUTIONA | L PAR | RAMETERS | | | | |
| Parameters | Units | Result | | NAAQS Limits | | Method | | |
| Particulate Matter PM ₁₀ | μg/m³ | 51.9 | | 100 | | nual version 2.01 | | |
| Particulate Matter PM _{2.5} | μg/m³ | 32.4 | | 60 | | Ianual Volume I | | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 30.0 | , | 80 | 1S 5182(par | t 2)2001 (RA 2017) | | |
| Oxide of Nitrogen (NOx | | 21.4 | | 80 | 1S 5182(par | t 2)2006 (RA 2017) | | |
| Ozone (O3) | μg/m³ | BDL(MDL<19.6) | | 100 | MASA-411 3 rd Ed | | | |
| Lead (Pb) | μg/m³ | BDL(MDL<0.1) | | 1.0 | MASA-822 3 rd Ed | | | |
| Carbon Monoxide (CO) | mg/m³ | 0.20 | | 02 | IS 5182(part 10)1999 (RA 2014) | | | |
| Ammonia (NH3) | μg/m ¹ | BDL(MDL< | 0.02) | 400 | | SA-401 3 rd Ed | | |
| Benzene (C6H6) | μg/m³ | BDL(MDL< | | 05 | IS 5182(par | t 11)2006 (RA 2017) | | |
| Benzo (a) Pyrene (BaP) | ng/m ³ | BDL(MDL | | 01 | CPCB N | lanual Vol 1 2011 | | |
| Arsenic (As) | ng/m³ | BDL(MDL< | | 06 | MAS | SA-302 3 rd Ed | | |
| Nickel (Ni) | ng/m³ | BDL(MDL | | 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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: 310. Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India (2): (0832) 2437048 / 2437164

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

LABORATORY

: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Bellim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. Ø : (0832) 2411322 / 23 ◆ E-mail : starlabgoa@rediffmail.com ◆ CIN No. U45209MH1998PTC-116379



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

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| Report No | SEET/AA/GS | L/2020/22 | Date | Date | | | |
|-------------------------------------|------------------------|-----------------|----------------------------|-------------------------------|--------------------------------|-------------------------|--|
| Name of Client | M/s GALAX | Y SURFACTANT | 'S LIMITED | | | | |
| Address of Client | Plot No. V-23 | & 01, MIDC Talo | ja, Tal. Panvel, D | ist. Ra | igad-41020 | 8 | |
| Sample collected by | AA Represent | ative | Duration of sa | mpling | 3 | 24 hrs | |
| Reference | alexand . | | | | | | |
| Date of sampling | 29/01/2020 | | Sample Receip | | | 30/01/2020 | |
| Analysis Start Date | 31/01/2020 | | Analysis Com | plete I | Date | 04/02/2020 | |
| | | AMBIENT AT | | | S 100 E V 10 E | | |
| Location of H.V.S. | Near Material (EOU) | Gate No. 6 | Lateral Distanc | | | rom Material Gate | |
| Ambient Temperature | 31.7°C | | Receptor Distance 1.5 Mtr. | | 1.5 Mtr. Fr | om Ground Level | |
| | F | POLLUTIONAL | PARAMETERS | | | | |
| Parameters | Units | Result | NAAQS Limits | | Method | | |
| Particulate Matter PM ₁₀ | μg/m³ | 57.2 | 100 | | | Il version 2.01 | |
| Particulate Matter PM2 5 | μg/m³ | 40.1 | 60 | | | ual Volume 1 | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 32.9 | 80 | IS | 5182(part 2 |)2001 (RA 2017) | |
| Oxide of Nitrogen (NOx) | | 30.8 | 80 | IS 5182(part 2)2006 (RA 2017) | | | |
| Ozone (O3) | μg/m³ | BDL(MDL<19 | .6) 100 | MASA-411 3 rd Ed | | 411 3 rd Ed | |
| Lead (Pb) | µg/m³ | BDL(MDL<0. | | MASA-822 3 rd Ed | | | |
| Carbon Monoxide (CO) | mg/m³ | 0.35 | 02 | IS | IS 5182(part 10)1999 (RA 2014) | | |
| Ammonia (NH3) | μg/m³ | BDL(MDL<0.0 | | | MASA-401 3 rd Ed | | |
| Benzene (C6H6) | μg/m³ | BDL(MDL<0. | | IS | IS 5182(part 11)2006 (RA 2017) | | |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL< | | | CPCB Man | ual Vol 1 2011 | |
| Arsenic (As) | ng/m³ | BDL(MDL<0. | | | MASA- | 302 3 rd Ed | |
| Nickel (Ni) | ng/m³ | BDL(MDL<7 | 20 | | MASA | -822 3 rd Ed | |

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

- 2) The above results relate only to the item tested.
- 3) NAAQS-National Ambient Air Quality Standards
- 4) BDL-Below Detectable Limit.

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| Report No | SEET/AA/GS | L/2020/21 | | Date | 10/02/2020 | |
|--------------------------------------|---------------------|---------------|---------|-----------------|---|--------------------------|
| Name of Client | M/s GALAX | | | | | |
| Address of Client | Plot No. V-23 | & 01, MIDC | Taloja, | Tal. Panvel, Di | st. Raigad-4102 | 208 |
| Sample collected by | AA Represent | ative | | Duration of sar | npling | 24 hrs |
| Reference | | | | | | |
| Date of sampling | 29/01/2020 | | | Sample Receip | t Date | 30/01/2020 |
| Analysis Start Date | 31/01/2020 | | | Analysis Comp | lete Date | 04/02/2020 |
| | | AMBIENT | AIRS | TATION | | |
| Location of H.V.S. | Near MED W (MED) | are House | Later | al Distance | 5.0 Mtr. From MED Ware H | |
| Ambient Temperature | 32.2 °C | Recepto | | otor Distance | nce 1.5 Mtr. From Ground Lev | |
| | F | OLLUTION | AL PA | RAMETERS | | |
| Parameters | Units | Resul | t | NAAQS Limits | Method | |
| Particulate Matter PM ₁₀ | μg/m³ | 40.8 | | 100 | Instr.Man | ual version 2.01 |
| Particulate Matter PM _{2.5} | μg/m³ | 23.6 | | 60 | A Real Cold Service Cold Cold Cold Cold Cold Cold Cold Cold | anual Volume 1 |
| Sulphur Dioxide (SO ₂) | μg/m³ | 26.9 | | 80 | 1S 5182(part | 2)2001 (RA 2017) |
| Oxide of Nitrogen (NOx) | | 22.1 | | 80 | IS 5182(part 2)2006 (RA 2017) | |
| Ozone (O3) | μg/m³ | BDL(MDL<19.6) | | 100 | MASA-411 3 rd Ed | |
| Lead (Pb) | μg/m³ | BDL(MDL<0.1) | | 1.0 | MASA-822 3 rd Ed | |
| Carbon Monoxide (CO) | mg/m³ | 0.14 | | 02 | IS 5182(part 10)1999 (RA 2014) | |
| Ammonia (NH3) | μg/m³ | BDL(MDL | <0.02) | 400 | MASA-401 3 rd Ed | |
| Benzene (C6H6) | μg/m³ | BDL(MDI | _<0.2) | 0.5 | | 11)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MD | L<1) | 01 | | mual Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDI | | 06 | | A-302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MD | L<7) | 20 | MAS | A-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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| Report No | SEET/AA/GS | L/2020/17 | | Da | ite | 10/02/2020 | | |
|-------------------------------------|-------------------|---|--------|--|-----------------------------|--------------------------------|--|--|
| Name of Client | M/s GALAX | Y SURFACTA | | | | | | |
| Address of Client | Plot No. V-23 | Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad-410208 | | | | | | |
| Sample collected by | AA Represent | | | Duration of s | | 24 Hrs | | |
| Reference | 2000 | | | | | | | |
| Date of sampling | 28/01/2020 | | S | ample Rece | ipt Date | 29/01/2020 | | |
| Analysis Start Date | 30/01/2020 | | Α | Analysis Complete Date | | 03/02/2020 | | |
| | | AMBIENT / | AIR ST | ATION | | | | |
| Location of H.V.S. | Near Material | Gate (V-23) | Late | ral Distance | 1.7. (1.1. 1.7.1) | . From Material Gate | | |
| Ambient Temperature | 31.5°C | | | The state of the s | | . From Ground Level | | |
| | P | OLLUTIONA | L PAR | AMETERS | | | | |
| Parameters | Units | Result | | NAAQS Limits | | Method | | |
| Particulate Matter PM ₁₀ | μg/m³ | 55.3 | | 100 | Instr.Ma | inual version 2.01 | | |
| Particulate Matter PM25 | μg/m³ | 33.9 | | 60 | CPCB I | Manual Volume 1 | | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 32.2 | | 80 | | rt 2)2001 (RA 2017) | | |
| Oxide of Nitrogen (NOx | | 23.1 | | 80 | IS 5182(pa | rt 2)2006 (RA 2017) | | |
| Ozone (O3) | μg/m³ | BDL(MDL<19.6) | | 100 | MASA-411 3 rd Ed | | | |
| Lead (Pb) | μg/m³ | BDL(MDL< | 0.1) | 1.0 | MA | SA-822 3 rd Ed | | |
| Carbon Monoxide (CO) | mg/m ³ | 0.4 | | 02 | IS 5182(pa | IS 5182(part 10)1999 (RA 2014) | | |
| Ammonia (NH3) | μg/m³ | BDL(MDL< | 0.02) | 400 | | SA-401 3 rd Ed | | |
| Benzene (C6H6) | μg/m ³ | BDL(MDL< | 0.2) | 0.5 | | rt 11)2006 (RA 2017) | | |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL | <1) | 01 | | Manual Vol 1 2011 | | |
| Arsenic (As) | ng/m³ | BDL(MDL< | (0.1) | 06 | | SA-302 3 rd Ed | | |
| Nickel (Ni) | ng/m³ | BDL(MDL | <7) | 20 | MA | 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.

Analyzed by



Checked by

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: 310. Dempo Towers, EDC Patto, Panaji-403 001. Gos State, India C : (0832) 2437048 / 2437164

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Piol No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 604, Maharashtra State, India. (2) (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail ; pre@sadekarenviro.com / psedekarenviro.com Street OFF

Gazetted by Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Velid upto 25:02:2023 ** QCI-NABET Accredited EIA Consultancy

Lab. accredited by NRBL, Valid up to 26.03.2020 * Certified by ISO 9001:2015 & BS DHSAS 18001 : 2007

| Parameter Company | L'aventeur de 1776 | CALCULATION AND A STATE OF | | | | | |
|-------------------------------------|--------------------|----------------------------|--|------------------------|------------------------------|--------------------------|--|
| Report No | | SSL/2020/18 | | Date | 9 | 10/02/2020 | |
| Name of Client | | XY SURFACTA | | | | | |
| Address of Client | | 23 & 01, MIDC 7 | | | | 0208 | |
| Sample collected by | AA Represe | AA Representative | | | Duration of sampling | | |
| Reference | ***** | | | | | | |
| Date of sampling | 28/01/2020 | | Sample | Receip | 29/01/2020 | | |
| Analysis Start Date | 30/01/2020 | | | Analysis Complete Date | | 03/02/2020 | |
| | | AMBIENT A | The second secon | and the second | | | |
| Location of H.V.S. | Near Gate N | No.3 (V-23) | Lateral D | stance | 5.0 Mtr. | From Admin Gate | |
| Ambient Temperature | 30.8 °C | | Receptor | | 1.5 Mtr. | From Ground Level | |
| | 1 | POLLUTIONAL | L PARAME | TERS | | | |
| Parameters | Units | Result | 1 | NAAQS Method Limits | | Method | |
| Particulate Matter PM ₁₀ | μg/m ³ | 46.2 | | 00 | Instr.Manual version 2.01 | | |
| Particulate Matter PM2.5 | μg/m³ | 29.6 | 6 | 0 | CPCB Manual Volume I | | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 27.5 | 8 | 0 | IS 5182(part 2)2001 (RA 2017 | | |
| Oxide of Nitrogen (NOx) | μg/m³ | 20,3 | 8 | 0 | IS 5182(part 2)2006 (RA 2017 | | |
| Ozone (O3) | µg/m³ | BDL(MDL<1 | 9.6) 10 | 0 | MASA-411 3rd Ed | | |
| Lead (Pb) | μg/m ³ | BDL(MDL<(| 0.1) 1. | 0 | | 1-822 3 rd Ed | |
| Carbon Monoxide (CO) | mg/m ³ | 0.24 | 0 | 2 | IS 5182(part | 10)1999 (RA 2014) | |
| Ammonia (NH3) | μg/m³ | BDL(MDL<0 | .02) 40 | 0 | | 4-401 3 rd Ed | |
| Benzene (C6H6) | μg/m³ | BDL(MDL<0 | 0.2) 0 | 5 | IS 5182(part | 11)2006 (RA 2017) | |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL< | (1) 0 | 1 | | nual Vol 1 2011 | |
| Arsenic (As) | ng/m³ | BDL(MDL< | 0.1) 0 | 5 | | -302 3 rd Ed | |
| Nickel (Ni) | ng/m ³ | BDL(MDL< | 7) 2 |) | MASA | -822 3 rd Ed | |

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

- 2) The above results relate only to the item tested.
- 3) NAAQS-National Ambient Air Quality Standards
- 4) BDL-Below Detectable Limit.

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Flot No. A-80, Road No. 16, Rham Najar Road, Nt.D.C. Wade Industrial Area, Thune - 400 604, Mantenahara State, India. (C) (01-22) 5563-3024 (2560-3025 (2560-3025) 2563-3034 (2560-3025) professional recommendation of the

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Encerthod By Ministry of Environment, Forget & Climate Change, Skyl Chiecks, S. O. 657 (E). Weld upth; SS, 60 (1)(1) * Dict Melter | Accordance SA Communicacy

Lab. accredited by **NRBL**, Visid up to 25.03.2020 ★ Certified by ISQ 9001-2016 & BS DHSAS 16001 - 2007

| Report No | SEET/AA/C | GSL/2020/83 | | D | ate | 22/03/2020 |
|--|---|----------------|------|------------------------|------------------------------|--|
| Name of Client | CONTRACTOR OF THE PARTY OF THE | XY SURFACTA | ANT | -7171 | | 22/03/2020 |
| Address of Client | | 23 & 01, MIDC | | | vel Dist Raigad | 1-410208 |
| Sample collected by | AA Represe | entative | | Duration of | | 24 Hrs |
| Reference | | | | | | 271113 |
| Date of sampling | 11/03/2020 | | | Sample Rec | eipt Date | 12/03/2020 |
| Analysis Start Date | 13/03/2020 | | | Analysis Complete Date | | 14/03/2020 |
| | | AMBIENT A | | | 10000 | - 1/30/12/20 |
| Location of H.V.S. | Near Materi | al Gate (V-23) | _ | eral Distanc | e 5.0 Mtr. | From Material Gat |
| Ambient Temperature | 32.8 °C | | _ | ceptor Dista | 2077-203761 | From Ground Leve |
| | PO | DLLUTIONAL | | | | The state of the s |
| Parameters | Units | Result | | NAAQS Limits | | lethod |
| Particulate Matter PM ₁₀ | μg/m³ | 51.4 | | 100 | Instr.Manual version 2.01 | |
| Particulate Matter PM25 | | 32.5 | | 60 | | nual Volume 1 |
| Sulphur Dioxide (SO ₂) | μg/m³ | 33.6 | | 80 | IS 5182(part 2)2001 (RA 2017 | |
| Nitrogen Dioxide (NO2) | μg/m³ | 24.2 | | 80 | | 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m³ | BDL(MDL<1 | 9.6) | 100 | MASA | -411 3 rd Ed |
| Lead (Pb) | μg/m³ | BDL(MDL< | 0.1) | 1.0 | | -822 3 rd Ed |
| Carbon Monoxide (CO) | mg/m³ | 0.46 | | 02 | | 0)1999 (RA 2014) |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL<0 | .02) | 400 | | -401 3 rd Ed |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL<0 | 0.2) | 05 | IS 5182(part 1 | 1)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL< | 1) | 01 | | ual Vol 1 2011 |
| Arsenic (As) Nickel (Ni) | ng/m³ | BDL(MDL<(| | 06 | MASA | -302 3 rd Ed |
| NECTED (NEX | ng/m ³ | BDL(MDL< | 773 | 20 | 27.00 | -822 3 rd Ed |

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

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

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Rot No. AVIS. Rost No. 16, Hosen Nager Rost. M (D. C., Wegle Inquette Avis, Thore − 930 604, Mahareston State, India () (191-27) 2585 1324 / 2562 3322 / 2563 3323 / 2563 3324 € E-mail. pro@sadskommerc.com / pandeter @grad.com SAN TARREST

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Lieb accredited by NABL Valid, up to 26.03.2020 . Demines by ISD 9001-2015 & BS OHSAS 18001 - 2007

| ANA | LYSIS RE | PORT FOR AN | ивп | ENT AIR S | URVEI | LLANC | E |
|--|-------------------|------------------------|------|---------------|--------------------|------------------------------|-------------------------|
| Report No | SEET/AA | /GSL/2020/84 | | D | ate | | 22/03/2020 |
| Name of Client | | AXY SURFACT | ANT | | | | 1 22/03/2020 |
| Address of Client | | -23 & 01, MID | | | | st Raioa | d = 410208 |
| Sample collected by | AA Repres | sentative | | Duration of | | 24 hrs | |
| Reference | 20002 | | | | | ·B | A T 111.3 |
| Date of sampling | 11/03/2020 | 20 Sa | | Sample Rec | ample Receipt Date | | 12/03/2020 |
| Analysis Start Date | 13/03/2020 |) | | | omplete Date | | 14/03/2020 |
| | | AMBIENT A | IR S | TATION | Ampiete | Duit | 1403/2020 |
| Location of H.V.S. | Near Gate | No.3 (V-23) | _ | eral Distance | 20 | 5.0 Mtr | From Gate No.3 |
| Ambient Temperature | 32.8 °C | | _ | ceptor Dista | | | From Ground Leve |
| | P | OLLUTIONAL | PA | RAMETEI | 25 | A100 4100A1 | Troni Ciround Ecre |
| Parameters | Units | Result NAAQS Limits | | .1 | Method | | |
| Particulate Matter PM ₁₀ | μg/m ³ | 48.6 | | 100 | In | Instr.Manual version 2.01 | |
| Particulate Matter PM25 | μg/m ³ | 30.1 | | 60 | | | nual Volume 1 |
| Sulphur Dioxide (SO ₂) | μg/m³ | 28.7 | | 80 | | IS 5182(part 2)2001 (RA 2017 | |
| Nitrogen Dioxide (NO2) | μg/m³ | 21.4 | | 80 | | | 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m ³ | BDL(MDL<1 | 9.6) | 100 | 100 | | -411 3 rd Ed |
| Lead (Pb) | μg/m ³ | BDL(MDL< | | 1.0 | | | -822 3rd Ed |
| Carbon Monoxide (CO) | mg/m³ | 0.28 | | 02 | IS 51 | | 0)1999 (RA 2014) |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL<0 | .02) | 400 | | | -401 3 rd Ed |
| Benzene (C ₆ H ₆) | µg/m³ | BDL(MDL<0 |).2) | 05 | IS 51 | | 1)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m ³ | BDL(MDL< | 1) | 01 | | | ual Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDL<0 | | 06 | | | -302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MDL< | 7) | 20 | | | -822 3 rd Ed |

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

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

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Post No. A-65 Road No. 16, Kean Hagar Road, M. (2).C. Viogle Industrial Area, Trans - +05 604 Maharsantro State, India (*) (R1-22) 2583-3321 - 2583-3322 / 2583-3323 | 2583-3324 • E-mail: profit profit formulation of the control of PARTONIA TAXABLE

Codeffed By Ministry of Environment, Foreit & Climate Charge, Solv (Of India, S. O. 807 E), valid carbo 25 (\$2,000 F CC) NAME, T. Actividates (LA Coca, Tarrey, Color, Col

Lab acceptined by **Heist.** Valid up to 26,00 2020 w Centried by IBO 9001-2015 & BS OHSAS 16001 2007

| Report No | SEET/AA/O | GSL/2020/97 | | D | ate | 22/03/2020 |
|--|-------------------|---------------------|------------------------|--------------|------------------------------|-------------------------|
| Name of Client | M/s GALA | XY SURFAC | TAN | IS LIMITE | D | 1.550.550.500 |
| Address of Client | | | | | vel, Dist. Raigad | 1-410208 |
| Sample collected by | AA Represe | AA Representative D | | | sampling | 24 hrs |
| Reference | **** | | | | | SCOUNTER ! |
| Date of sampling | 12/03/2020 | 12/03/2020 | | | eipt Date | 13/03/2020 |
| Analysis Start Date | 14/03/2020 | | | | mplete Date | 16/03/2020 |
| | | AMBIENT | | | | |
| Location of H.V.S. | Near MED (MED) | | | | 5.0 Mtr. Fro | om MED Ware |
| Ambient Temperature | 33.1 °C | | Rece | ptor Distanc | e 1.5 Mtr. Fro | om Ground Level |
| | P | OLLUTION | | | | 100 |
| Parameters | Units | Resul | Result NAAQS Limits | | | lethod |
| Particulate Matter PM ₁₀ | | 42.6 | | 100 | Instr.Manual version 2.01 | |
| Particulate Matter PM25 | μg/m³ | 24.9 | | 60 | CPCB Manual Volume 1 | |
| Sulphur Dioxide (SO ₂) | μg/m ³ | 26.2 | | 80 | IS 5182(part 2)2001 (RA 2017 | |
| Nitrogen Dioxide (NO2) | μg/m ³ | 21.8 | | 80 | | 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m³ | BDL(MDL | <19.6) | 100 | MASA-411 3rd Ed | |
| Lead (Pb) | μg/m ³ | BDL(MDL | <0.1) | 1.0 | | -822 3 rd Ed |
| Carbon Monoxide (CO) | | 0.15 | | 02 | | 0)1999 (RA 2014 |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL | BDL(MDL<0.02) | | | -401 3 rd Ed |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL | <0.2) | 05 | | 1)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MD) | L<1) | 01 | | ual Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDL | < 0.1) | 06 | | -302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MD) | BDL(MDL<7) | | MASA- | -822 3 rd Ed |

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

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

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| Report No | SEET/AA/0 | GSL/2020/98 | Da | ite | 22/03/2020 | |
|--|--|-------------------|----------------------|----------------------|------------------------------------|--|
| Name of Client | M/s GALA | XY SURFACTAN | TS LIMITE | D | 333333333 | |
| Address of Client - | Plot No. V- | 23 & 01, MIDC Tal | loja, Tal. Pany | el, Dist. R | aigad - 410208 | |
| Sample collected by | AA Represo | | Duration of | | 24 hrs | |
| Reference | (1 | | | | | |
| Date of sampling | 12/03/2020 | | Sample Rece | eipt Date | 13/03/2020 | |
| Analysis Start Date | 14/03/2020 | | Analysis Co | | | |
| | | AMBIENT AIR | STATION | | | |
| Location of H.V.S. | Near Materi (EOU) | | Lateral Dista | | Mtr. From Material Gate 6 (EOU) | |
| Ambient Temperature | 33.1 °C | | Receptor Distance | | Mtr. From Ground Leve | |
| | P | OLLUTIONAL PA | RAMETER | S | | |
| Parameters | Units | Result | NAAQS Limits | | Method | |
| Particulate Matter PM ₁₀ | | 56.5 | 100 | Instr. | Manual version 2.01 | |
| Particulate Matter PM ₂ | | 38.6 | 60 | CPCB Manual Volume 1 | | |
| Sulphur Dioxide (SO ₂) | | 33.2 | 80 | IS 51820 | part 2)2001 (RA 2017) | |
| Nitrogen Dioxide (NO2 | The second secon | 31.4 | 80 | | part 2)2006 (RA 2017) | |
| Ozone (O ₃) | μg/m³ | BDL(MDL<19,6 | 100 | | ASA-411 3 rd Ed | |
| Lead (Pb) | μg/m³ | BDL(MDL<0.1) | 1.0 | M | ASA-822 3rd Ed | |
| Carbon Monoxide (CO) | | 0.37 | 02 | IS 5182(p | part 10)1999 (RA 2014) | |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL<0.02) | 400 | | ASA-401 3 rd Ed | |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL<0.2) | 0.5 | | part 11)2006 (RA 2017) | |
| Benzo (a) Pyrene (BaP) | | BDL(MDL<1) | 01 | CPCB | Manual Vol 1 2011 | |
| Arsenic (As) Nickel (Ni) | ng/m³ | BDL(MDL<0.1) | 06 | | ASA-302 3rd Ed | |
| | ng/m ³ | BDL(MDL<7) | 20 | 100120 | ASA-822 3 rd Ed | |

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

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

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik



Phil No. A-56, Road No. 16, Knah Nagar Road, 61 D.C. Wagle industric Area, There - 400 604 Maharaste's State, vide (C) - 01-27, 2548 3324 / 2565 3324 / 2565 3324 / 2 - 051 philipsed-karennin core / predictarillament core

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Discribed by Ministry of Environment, Forest & Commits Charge, Gold Of India, S. O. SET (E), Valid Jam 25-02-2009 * OCH MARET. Accressing ETA Committeeing Lab. accredited by NRBS, Valid, up to 26-00-2020. A Carolline by ISO 9001-2019 & BIS CHESAS, 19201 - 2007.

| Report No | SEET/AA/ | GSL/2020/118 | | D: | ate | 22/03/2020 |
|-------------------------------------|------------|--------------------------------|-------|--|--|------------------------|
| Name of Client | | XY SURFAC | TAN' | | 7777C | LEI OH LOLO |
| Address of Client | | | | | vel, Dist. Raigad | - 410208 |
| Sample collected by | AA Represe | A Representative Duration of s | | | | 24 hrs |
| Reference | 22422 | | | CONTRACTOR OF | and and | 1 a T III 3 |
| Date of sampling | 17/03/2020 | Sample Rece | | | eint Date | 18/03/2020 |
| Analysis Start Date | 19/03/2020 | u e | | Analysis Co | | 20/03/2020 |
| | | AMBIENT | AIR | | | 20.00.2020 |
| Location of H.V.S. | | Gate (EOU) | _ | ateral Distance 5.0 Mtr. From Admin ((EOU) | | m Admin Gate |
| Ambient Temperature | 32.9°C | | | eptor tance | | m Ground Level |
| | P | OLLUTIONA | L PA | RAMETER | S | |
| Parameters | Units | Result | | NAAQS Limits | M | lethod |
| Particulate Matter PM ₁₀ | | 47.5 | | 100 | Instr.Manual version 2.01 | |
| Particulate Matter PM ₂ | | 31.3 | | 60 | CPCB Manual Volume 1 | |
| Sulphur Dioxide (SO ₂) | | 28.6 | | 80 | |)2001 (RA 2017) |
| Oxide of Nitrogen (NO: | | 22.7 | | 80 | |)2006 (RA 2017) |
| Ozone (O3) | μg/m³ | BDL(MDL< | 19.6) | 100 | MASA-411 3rd Ed | |
| Lead (Pb) | μg/m³ | BDL(MDL< | 0.1) | 1.0 | | 822 3 rd Ed |
| Carbon Monoxide (CO) | | 0.18 | | | IS 5182(part 10 |))1999 (RA 2014) |
| Ammonia (NH3) | μg/m³ | BDL(MDL<0.02) | | 400 | | 401 3 rd Ed |
| Benzene (C6H6) | μg/m³ | BDL(MDL< | 0.2) | 05 | |)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL | <1) | 01 | | ial Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDL< | 0.1) | 06 | The second secon | 302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MDL | -17 V | 20 | | 822 3 rd Ed |

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

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

3) NAAQS-National Ambient Air Quality Standards

4) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Lab. accredited by NABL, Valid up to 26.03.2020 * Certified by ISO 9001:2015 & BS OHSAS 18001 : 2007

| Report No | SEET/AA/GS | L/2020/143 | | D | ate | | 15/06/2020 |
|--|---------------|---------------------------------|------------------------|----------------|----------|-------------------------------|--------------------------|
| Name of Client | M/s GALAXY | SURFACTAN | TS L | IMITED | | | |
| Address of Client | Plot No. V-23 | & 01, MIDC Ta | aloja, | Tal. Panvel, | Dist. Ra | igad - 41(| 208 |
| Sample collected by | AA Represent | AA Representative Duration of s | | | samplin | g | 24 Hrs |
| Reference | | | | | | | |
| Date of sampling | 01/06/2020 | 01/06/2020 Sample Receipt | | | | | 02/06/2020 |
| Analysis Start Date | 03/06/2020 | Analysis | | | mplete I | plete Date 04/06/2020 | |
| | | AMBIENT A | AIR S | TATION | | | |
| Location of H.V.S. | Near Material | Gate (V-23) | Lat | teral Distance | e | 5.0 Mtr. | From Material Gate |
| Ambient Temperature | 34.1 °C | | | ceptor Distar | | 1.5 Mtr. | From Ground Level |
| | P | OLLUTIONA | LPA | RAMETER | S | | |
| Parameters | Units | Result | Result NAAQS Limits | | | Method | |
| Particulate Matter PM ₁₀ | μg/m³ | 48.9 | | 100 | | Instr.Manual version 2.01 | |
| Particulate Matter PM _{2.5} | μg/m³ | 31.4 | | 60 | | CPCB Manual Volume 1 | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 32.3 | | 80 | IS | IS 5182(part 2)2001 (RA 2017) | |
| Nitrogen Dioxide (NO ₂) | μg/m³ | 25.3 | | 80 | | | 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m³ | BDL(MDL< | 19.6) | 100 | | MASA-411 3rd Ed | |
| Lead (Pb) | μg/m³ | BDL(MDL< | (0.1) | 1.0 | | MASA-822 3 rd Ed | |
| Carbon Monoxide (CO) | mg/m³ | 0,42 | | 02 | IS | 5182(part | 10)1999 (RA 2014) |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL< | 0.02) | 400 | | MAS | A-401 3 rd Ed |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL< | (0.2) | 05 | IS | 5182(part | 11)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL | <1) | 01 | | CPCB Ma | mual Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDL< | (0.1) | 06 | | MAS | A-302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MDL<7) | | 20 | | MASA-822 3rd 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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BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panali-403 001 Goa State, India 2 : (0832) 2437048 / 2437164 E-mail: sadekarenviro@rediffmail.com * Website: www.sadekarenviro.com

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 504, Maharashtra State, India. □ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail : prs@sadekarenviro.com / psadekarS@gmail.com

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| Report No | SEET/AA/C | SSL/2020/144 | | Dat | | 15/05/2020 | |
|--|--|--------------|--------|------------------------|--|-------------------------|--|
| Name of Client | | XY SURFACTAL | MITSTI | | 0 | 15/06/2020 | |
| Address of Client | | | | | Vist Daland 41 | 0200 | |
| Sample collected by | Plot No. V-23 & 01, MIDC Taloja, Tal. Panve AA Representative Duration of | | | ation of sar | | 7 | |
| Reference | | | 1741 | ation of sai | 24 hrs | | |
| Date of sampling | 01/06/2020 | 01/06/2020 | | | Sample Receipt Date | | |
| Analysis Start Date | 03/06/2020 | | | Analysis Complete Date | | 02/06/2020 | |
| | AMBIENT AIR ST | | | TION | note Date | 04/06/2020 | |
| Location of H.V.S. | Near Gate N | No.3 (V-23) | | Distance | 5.0 Mtm | From Gate No.3 | |
| Ambient Temperature | 34.1 °C | | | or Distance | | From Ground Leve | |
| | | POLLUTIONAL | PARAN | METERS | r rogyru, | From Ground Leve | |
| Parameters | Units | | | NAAQS | | Method | |
| | | | | Limits | | vietnoa | |
| Particulate Matter PM ₁₀ | μg/m³ | 46.5 | | 100 | Instr Manual version 2.01 | | |
| Particulate Matter PM25 | μg/m ³ | 29.8 | | 60 | | | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 27.9 | | 80 | CPCB Manual Volume 1 IS 5182(part 2)2001 (RA 2017 | | |
| Nitrogen Dioxide (NO2) | μg/m³ | 22.3 | | 80 | IS 5182(part 2)2006 (RA 2017 | | |
| Ozone (O ₃) | μg/m ³ | BDL(MDL<1 | 9.6) | 100 | MASA-411 3rd Ed | | |
| Lead (Pb) | µg/m³ | BDL(MDL<0 | | 1.0 | | -822 3 rd Ed | |
| Carbon Monoxide (CO) | mg/m³ | 0.26 | | 02 | | 0)1999 (RA 2014) | |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL<0. | 02) | 400 | | -401 3 rd Ed | |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL<0 | | 05 | The second secon | 1)2006 (RA 2017) | |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL< | | 01 | | nual Vol 1 2011 | |
| Arsenic (As) | ng/m³ | BDL(MDL<0 | | 06 | | -302 3 rd Ed | |
| Nickel (Ni) | ng/m³ | BDL(MDL<7) | | 20 | | -822 3 rd Ed | |

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

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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Checked by

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: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvotim, Panaji-Goa-403 101 Goa State, India. 7: (0832) 2411322 / 23 * E-mail: startabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116379



Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thene - 400 604, Maharashtra State, India. ②: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 ◆ E-mail: prs@sadekarenviro.com / psadekar5@gmail.com

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Lab. accredited by NABL, Valid up to 26.03,2020 * Certified by ISO 9001:2015 & BS OHSAS 18001: 2007

| Report No | SEET/AA/GS | L/2020/146 | | II | Date | 15/06/2020 |
|--|---------------------|-----------------------------------|--------|-----------------|--|--------------------------|
| Name of Client | M/s GALAX | | ANTS | | | 1 1000000 |
| Address of Client | | | | | Dist. Raigad - 41 | 0208 |
| Sample collected by | | AA Representative Duration of san | | | | 24 hrs |
| Reference | ***** | | | | - The state of the | 271113 |
| Date of sampling | 02/06/2020 | 02/06/2020 Sample Receipt | | | | 03/06/2020 |
| Analysis Start Date | 04/06/2020 | | | | omplete Date | 05/06/2020 |
| | | AMBIENT | TAIR S | TATION | Jane Date | 1 00/2020 |
| Location of H.V.S. | Near MED W (MED) | | | | 5.0 Mtr. Fr | om MED Ware House |
| Ambient Temperature | 32.8 °C | | Recer | otor Distanc | e 1.5 Mtr. Fro | om Ground Level |
| | P | OLLUTION | AL PA | RAMETER | S | on Ground Level |
| Parameters | Units | Resu | | NAAQS Limits | | Method |
| Particulate Matter PM ₁₀ | μg/m³ | 40.1 | | 100 | Instr. Mar | nual version 2.01 |
| Particulate Matter PM25 | μg/m³ | 23.6 | | 60 | | lanual Volume 1 |
| Sulphur Dioxide (SO ₂) | μg/m³ | 24.8 | | 80 | | (2)2001 (RA 2017) |
| Nitrogen Dioxide (NO ₂) | μg/m³ | 20.5 | | 80 | | t 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m³ | BDL(MDL | <19.6) | 100 | | A-411 3 rd Ed |
| Lead (Pb) | μg/m³ | BDL(MDI | <0.1) | 1.0 | | A-822 3 rd Ed |
| Carbon Monoxide (CO) | mg/m³ | 0.16 | | 02 | | 10)1999 (RA 2014) |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL | <0.02) | 400 | | A-401 3 rd Ed |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDI | | 05 | | 11)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MD | L<1) | 01 | | anual Vol I 2011 |
| Arsenic (As) | ng/m³ | BDL(MDI | <0.1) | 06 | | A-302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MD | L<7) | 20 | MAS | A-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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LABORATORY

: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvorim, Panaji-Goa-403 101 Goa State, India. ②: (0832) 2411322 / 23 = E-mail: startabgoa@rediffmail.com = CIN No. U45209MH1998PTC-116379



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

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| Report No | SEET/AA/GS | L/2020/147 | | D | te 15/06/2020 | | |
|--------------------------------------|-------------------|---------------------------------|------------------------|--------------|-------------------|--------------------------|--|
| Name of Client | | Y SURFACTA | NTS | | | 13/00/2020 | |
| Address of Client | Plot No. V-23 | & 01, MIDC T | aloia. | Tal. Panyel | Dist. Raigad - 41 | 0208 | |
| Sample collected by | AA Represent | AA Representative Duration of s | | | | 24 hrs | |
| Reference | | | | | ampinig . | 24 1118 | |
| Date of sampling | 02/06/2020 | | | Sample Rece | int Date | 03/06/2020 | |
| Analysis Start Date | 04/06/2020 | | | Analysis Con | mplete Date | 05/06/2020 | |
| | | AMBIENT | AIR S | TATION | - Providence | 05/00/2020 | |
| Location of H.V.S. | Near Admin (| Jate (EOU) | | ral Distance | 5.0 Mtr. Fre | om Admin Gate (EOU | |
| Ambient Temperature | 32.8 °C | | | ptor Distanc | e 1.5 Mtr. Fro | om Ground Level | |
| | I | POLLUTIONA | L PAI | RAMETERS | 3 | on Ground Level | |
| Parameters | Units | | Result NAAQS Limits | | | Method | |
| Particulate Matter PM ₁₀ | μg/m ³ | 45.3 | | 100 | Instr Mar | nual version 2.01 | |
| Particulate Matter PM _{2.5} | μg/m³ | 30.2 | | 60 | | Ianual Volume 1 | |
| Sulphur Dioxide (SO ₂) | μg/m³ | 27.9 | | 80 | | t 2)2001 (RA 2017) | |
| Oxide of Nitrogen (NOx) | | 22.2 | | 80 | | t 2)2006 (RA 2017) | |
| Ozone (O3) | μg/m ³ | BDL(MDL< | 19.6) | 100 | MAS | A-411 3 rd Ed | |
| Lead (Pb) | μg/m³ | BDL(MDL | <0.1) | 1.0 | | A-822 3 rd Ed | |
| Carbon Monoxide (CO) | mg/m ³ | 0.20 | | 02 | | 10)1999 (RA 2014) | |
| Ammonia (NH3) | μg/m ³ | BDL(MDL< | 0.02) | 400 | MAS | A-401 3 rd Ed | |
| Benzene (C6H6) | μg/m³ | BDL(MDL< | (0.2) | 05 | | 11)2006 (RA 2017) | |
| Benzo (a) Pyrene (BaP) | ng/m ³ | BDL(MDL | <1) | 01 | CPCB M | anual Vol 1 2011 | |
| Arsenic (As) | ng/m ³ | BDL(MDL< | (0.1) | 06 | | A-302 3 rd Ed | |
| Nickel (Ni) | ng/m³ | BDL(MDL | <7) | 20 | | A-822 3 rd Ed | |

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

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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: 310, Dempo Towers, EDC Patto, Panaji-403 001. Goa State, India 🖒 : (0832) 2437048 / 2437164 E-mail : sadekarenviro@rediffmail.com * Website : www.sadekarenviro.com

LABORATORY

: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Betim Road, Bardez, Porvonin, Panaji-Goa-403 101. Goa State, India. ②: (0832) 2411322 / 23 ■ E-mail: starlabgoa@rediffmail.com ■ CIN No. U45209MH1998PTC-116379



Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thans - 400 604. Maharashtra State, India. ⑦ : (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 ◆ E-mail : prs@sadekarenviro.com / psadekare@gmail.com

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| Report No | SEET/AA/GS | L/2020/148 | Date | | | 15/06/2020 |
|--|------------------------|-------------------|------------------------|----------------------|------------------------------|-------------------------|
| Name of Client | M/s GALAXY | Y SURFACTANTS | LIMITED | | | |
| Address of Client | Plot No. V-23 | & 01, MIDC Taloja | a, Tal. Panvel, Di | st. R | aigad - 4102 | 208 |
| Sample collected by | AA Represent | | | Duration of sampling | | |
| Reference | | | | | | |
| Date of sampling | 02/06/2020 | | Sample Receip | Sample Receipt Date | | 03/06/2020 |
| Analysis Start Date | 04/06/2020 | 04/06/2020 | | | Date | 05/06/2020 |
| * | | AMBIENT AIR | STATION | | | |
| ocation of H.V.S. | Near Material (EOU) | | | | No. 6 (EO | |
| Ambient Temperature | 32.8 °C | | Receptor Distar | ice | 1.5 Mtr. F | rom Ground Level |
| | F | OLLUTIONAL P | ARAMETERS | | | |
| Parameters | Units | Result | NAAQS Method Limits | | Aethod | |
| Particulate Matter PM ₁₀ | μg/m³ | 51.6 | 100 | | Instr.Manual version 2.01 | |
| Particulate Matter PM25 | μg/m³ | 36.2 | 60 | CPCB Manual Volume 1 | | nual Volume 1 |
| Sulphur Dioxide (SO ₂) | μg/m³ | 32.7 | 80 | 1 | IS 5182(part 2)2001 (RA 2017 | |
| Nitrogen Dioxide (NO2) | μg/m³ | 30.8 | 80 | 1 | S 5182(part | 2)2006 (RA 2017) |
| Ozone (O ₃) | μg/m³ | BDL(MDL<19.6 | 5) 100 | | | -411 3 rd Ed |
| Lead (Pb) | µg/m³ | BDL(MDL<0.1 |) 1.0 | | | -822 3 rd Ed |
| Carbon Monoxide (CO) | mg/m³ | 0.35 | 02 | 15 | 5182(part 1 | 0)1999 (RA 2014) |
| Ammonia (NH ₃) | μg/m³ | BDL(MDL<0.02 | | | | -401 3 rd Ed |
| Benzene (C ₆ H ₆) | μg/m³ | BDL(MDL<0.2 |) 05 | 18 | | 1)2006 (RA 2017) |
| Benzo (a) Pyrene (BaP) | ng/m³ | BDL(MDL<1) | 01 | | | nual Vol 1 2011 |
| Arsenic (As) | ng/m³ | BDL(MDL<0.1 | | | | -302 3 rd Ed |
| Nickel (Ni) | ng/m³ | BDL(MDL<7) | 20 | MASA-822 3rd 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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BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India (C.: (0832) 2437048 / 2437164 E-mail: sadekarenviro@rediffmail.com * Website: www.sadekarenviro.com

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Plot No. A-95, Road No. 16, Kisan Nagar Road, M.I.D.C. Wegle Industrial Area, Traine - 400 604, Ministratura State, India € : (91-22) 2583-3321 / 2583-3322 / 2583-3323 / 2583-3324 • E-mail : pra@isadesarceviro.com | piadesarti@grand.com

Facility to Nat At Engineers Report & Offices Change Give Division, S. O. 667 E. Lean, and office 2007 OC NASET Across See Eat Completion

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|--|---------|------------------|-------------------|-----------------|---------------------|--|--|
| Report No | | A/GSL/20/78 | | Date | 19/02/2020 | | |
| Name of Client | | LAXY SURFA | | | | | |
| Address of Client | | | IDC Taloja. | Fal. Panyel, Di | st. Raigad - 410208 | | |
| Sample collected by | AA Rej | presentative | | | | | |
| Reference | (1444a) | | | | | | |
| Date of sampling | 13/02/2 | | Sample Rec | eipt Date | 14/02/2020 | | |
| Analysis Start Date | 15/02/2 | 020 | Analysis Co | omplete Date | 18/02/2020 | | |
| | | DETAILS | OF STACE | • | | | |
| Description | | Unit | | T | Result | | |
| Stack No. | | (ma) | | | S-1 | | |
| Stack Attached To | | - | C | il Fire Boiler | No.1 & 2(2.5 TPH) | | |
| Shape | | | | | lound | | |
| Diameter | | M | | | 0.8 | | |
| Height From Ground Lev | el | M | | 33.3 | | | |
| Temperature | | °C | | 192 | | | |
| Velocity of Flue Gases | | M/Sec | | 10.35 | | | |
| Volume of Flue Gases | | Nm³/Hr | | 11996 | | | |
| Type of Fuel | | Kg/Hr. | | F.O. | L.D.0 | | |
| POLLUTION PARAME | | | | | | | |
| PARAMETERS | | 1ETHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 112: | 55 (part I)-1985 | mg/Nm | 150 | 84.9 | | |
| Sulphur Di-Oxide | | (part II) - 1985 | | 86.4 | 12,6 | | |
| Oxide of Nitrogen | IS 1125 | 5 (part 7)-2005 | Ppm | | 10.3 | | |
| Carbon Dioxide | IS | 307:1966 | mg/m ³ | *** | 0.27 | | |
| Sulphur content | | | % | 4.5 | 0.0016 | | |

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

3) BDL - Below Detectable Limit

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Plot No. A-95, Rosel No. 19, Klean Nagar Rosel, M.L.D.G. Wagle Industrial Area. Thans - 400 604. Metanasanne State. India 7 - [91-22] 2563-3321 | 2563-3322 | 2583-3323 | 2583-3324 ◆ 8-ms. Innigeroalskarenwo.com. Inside config grant.com

Statistical Statement State of Charles and Company of C us repredictive Market Almonomia (A. 2022 and reference (SC BH 12075), 188 bes AS Hintry Artif

| Diamento. | Section 19 | A MOON INDICATED | | | | |
|----------------------------------|------------------------|---------------------|--|--|--------------------------------------|--|
| Report No Name of Client | | A/GSL/2020/11 | | Date | 10/02/2020 | |
| Address of Client | | LAXY SURFAC | | A STATE OF THE STA | | |
| | | V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. R | aigad 410208 | |
| Sample collected by Reference | | AA Representative | | | | |
| Date of sampling | | 20 | TO STATE OF THE ST | ON PARTY | days for a local man | |
| Analysis Start Date | 28/01/2020 | | Sample Rece | | 29/01/2020 | |
| Aliatysis Start Date | 30/01/2020 | | Analysis Cor | | 01/02/2020 | |
| | | DETAILS | S OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | | | S-2 | | |
| Stack Attached To | | H | | | Boiler (STPH) arator + Bag Filter | |
| Shape | | 199 | | | Round | |
| Diameter | | M | | | 0.4 | |
| Height From Ground Level | | M | | 35.0 | | |
| Temperature | | °C | | 187 | | |
| Velocity of Flue Gases | | M/Sec | | 9.21 | | |
| Volume of Flue Gases | | Nm ³ /Hr | | 2697 | | |
| Type of Fuel | | Kg/Hr. | | | Coal | |
| POLLUTION PARAMET | TERS | | | | | |
| PARAMETERS | N | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 112 | 55 (part 1)-1985 | mg/Nm ³ | 150 | 101.2 | |
| Sulphur Di-Oxide | IS 125 | 5 (part II)-1985 | Kg/day | 12.0 | 7.24 | |
| Oxide of Nitrogen | IS 11255 (part 7)-2005 | | ppm | | B.D.L | |
| Carbon Dioxide | 1S | 307:1966 | mg/m ³ | _ | 0.17 | |
| Sulphates | E | PA Method | ppm | N.A. | 1.10 | |
| Chloride | EPA- | -26 A Method | mg/Nm ³ | N.A. | 0.03 | |
| Sulphur content | | +>> | 6/0 | 0.5 | 0.0042 | |
| | | | | | | |

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.

Analyzed by

Checked by

BRANCH OFF. : 310 Dempo Towers, EDC Patto, Panej 403 001, Goa State, India 6 : (0832) 2457648 | 2437164 E-mail | sadekarenviro@rediffmail.com = VVIIIII

LABORATORY J B-306/307, Plot No. 61, Patel Estate, Reis Magns, Verein, Alto, Old Bellin Road, Baidez, Porvorim, Panel-Gos-403 101.

Gos State, India & (0832) 2411322 (23 * E-mail: startebone/Brodiffmail.com * CIN No. U45209/H41098PTG-116379

Par No. 4-85, Rose No. 16, Keen Nager Rose 311,5 C. Pegis Incornal Area There - 455 804. Venezas ne Sales Inde r - 191-92 | 2585 3071 | 2583 3822 | 2583 3323 | 2583 3324 € 5-10 | professoration results of Community and

or Expension from the Company of the Tribute of Millian Company of the Company of A SECURE OF THE SECURE OF THE

| Report No | SEET | AA/GSL 2020/45 | | Date | 10/02/2020 | | |
|--------------------------|------------------|--|--------------------|------------------------|---------------|--|--|
| Name of Client | | ALAXY SURFAC | | | 10/02/2020 | | |
| Address of Client | | | | | sional ATOTOS | | |
| Sample collected by | | Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad 410208 AA Representative | | | | | |
| Reference | | | | | | | |
| Date of sampling | 31/01/2 | 2020 | Sample Rece | int Date | 01/02/2020 | | |
| Analysis Start Date | 03/02/2020 | | Analysis Con | | 04/02/2020 | | |
| | | DETAIL | S OF STACK | | | | |
| Description | cription Unit | | | Result | | | |
| Stack No. | | | | S-3 | | | |
| Stack Attached To | tack Attached To | | | Thermopac Boiler (EOU) | | | |
| hape | | (941) | | | Round | | |
| Diameter | iameter | | | 0.4 | | | |
| Height From Ground Level | | M | | 30.25 | | | |
| Temperature | | oC. | | 177 | | | |
| Velocity of Flue Gases | | M/Sec | | 10.04 | | | |
| Volume of Flue Gases | | Nm ³ /Hr | | 3006 | | | |
| Type of Fuel | | Kg/Hr. | | F.O | | | |
| POLLUTION PARAMET | ERS | | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 11 | 255 (part 1)-1985 | mg/Nm ³ | 150 | 92.4 | | |
| Sulphur Di-Oxide | IS 12 | 255 (part II)-1985 | Kg/day | 155.52 | 6.06 | | |
| Oxide of Nitrogen | | 255 (part 7)-2005 | ppm | 77 | 4.25 | | |
| Carbon Dioxide | | IS 307:1966 | mg/m³ | | 0.28 | | |
| Sulphur content | | | 9/6 | 4.5 | 0.0031 | | |

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

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

3) BDL-Below Detectable Limit.

Analyzed by



Checked by

BRANCH OFF.

310. Dempd Towers, EDC Patto, Panali-403 001, Goa State, India 7 (0832) 2437048 / 2437164 E-mail: sadekaronviro@rediffmail.com =

LABORATORY : B-308/307, Plot No. 81, Patel Estate, Reis Magos, Verent Alto, Old Betim Roed, Bardez, Porvorim, Penaji-Goe-406 101 Gos State, India, 7 (0832) 2411322 / 23 - E-mail (statutopos@rediffmat.com - CIN No. 1452084-11988FTD-11617)

Pict No. A-95, Road No. 18, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, Thane - 400 504, Mahamantra State, India 7: (B1-02) 1583 5321 / 2583 5322 / 2583 5323 / 2583 5324 • E-mail: cmigradekarenviro.com / psadekarenviro.com / psadekare

Lander Line of Enterior Pariety Character Secretary and Africa Village Shiza Chiros Wale Avendor In Vendors commendade by NGBL Vallengree St 18 SCSO w Settling to SC HOTOTIS's SS DEARSTHIT (2007)

| 24 - 2000 | Lagrenza | 4 WTGT (2000) (00 | | Date | [0/02/2020] | | |
|----------------------------------|------------|---|-------------------|--|----------------|--|--|
| Report No | | A/GSL/2020/09 | | | (3/03/2020) | | |
| Name of Cilent | | LAXY SURFAC | | | along Cinana | | |
| Address of Client | | V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. K | aigau = +10206 | | |
| Sample collected by Reference | | AA Representative | | | | | |
| Date of sampling | 0.00 | 28/01/2020 Sample Receipt Date 29/01/2020 | | | | | |
| Analysis Start Date | | | Analysis Cor | The state of the s | 30/01/2020 | | |
| Analysis Start Date | 30/01/20 | | OF STACK | | 100/01/2029 | | |
| | | 10-9-0-0-0-1-1 | OF STACK | | | | |
| Description | Unit | | | Result | | | |
| Stack No. | | | | S-4 | | | |
| Stack Attached To | ttached To | | Scrubbe | | r No .1 (V-23) | | |
| Shape | | | | | Round | | |
| Diameter | ameter | | | 0.6 | | | |
| Height From Ground Level | | M | | 30 | | | |
| Temperature | | .°С: | | 45 | | | |
| Velocity of Flue Gases | | M/Sec | | 7.37 | | | |
| Volume of Flue Gases | | Nm ³ /Hr | 7026 | | | | |
| Type of Fuel | | | | | | | |
| POLLUTION PARAMET | | | 1 20212121 | | DECETE | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 11 | 255 (part 1)-1985 | mg/Nm | 150 | 22.8 | | |
| Sulphur Di-Oxide | IS 125 | 5 (part II) - 1985 | ppm | 50 | B.D.L (MDL <1) | | |
| Oxide of Nitrogen | IS 11: | 255 (part 7)-2005 | ppm | NA | 1.94 | | |
| Carbon Dioxide | I | S 307 :1966 | mg/m ³ | NA | 0.18 | | |
| Acid Mist | EPA Method | | ppm | NA | 8.96 | | |

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

3) BDL - Below Detectable Limit.

Analyzed by

Checked by

BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panaji 403 001. Goo State, India 7 : (0832) 2437048 / 2437164 E-mail: sadekarenviro@rediffritail.com •

LABORATORY: B-306/307, Plot No. 61, Patel Estate, Reis Magos, Verem: Alto, Old Betim Road, Bardez, Polyotim, Patraji-Goz-403 101, Goz Stato, India 7: (0832) 2411322 / 23 * E-mail: starlabgos@rediffmail.com - CIN No. U45209MH1998PTC-116379

Phy No. A 65, 55 and No. 16, Hasan Nago: Roset, M.J.D.C. Wagie Industrial Area, Thinne - 400-604, Marunant in State Industrial Area, Thinne - 400-604, Marunant Industrial Area, Marunant Industrial Area, Thinne - 400-604, Marunant Industrial Area, Thinne - 400-604, Marunant Industrial Area, Marunant Industrial A

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| | | ALYSIS REPOR | | | | |
|----------------------------|------------|--|---------------------------|----------------------|----------------|--|
| Report No | SECT | /AA/GSL/2020/52 | | Date | | |
| Name of Client | M/s (| ALAXY SURFAC | CTANTSLIA | AFFERN | 10/02/2020 | |
| Address of Client | Plot N | lo. V-23 & 01, MII | C Talois Tal | Dominal INC., r | | |
| Sample collected by | AA R | Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad—410208 AA Representative | | | | |
| Reference | | | | | | |
| Date of sampling | 04/02/ | 2020 | | | | |
| Analysis Start Date | 06/02/ | 2020 | Sample Rec Analysis Co | mplata Das | 05/02/2020 | |
| | DETAILS | | S OF STACK | implete Date | 07/02/2020 | |
| Description | | | or orack | | | |
| Stack No. | | Unit | | Result | | |
| Stack Attached To | | | | | S-5 | |
| Shape | | | | Scrubber No .2 (EOU) | | |
| Diameter | | | | 4 | Round | |
| Height From Ground Level | | M | 0.6 | | 0.6 | |
| Temperature | | M | | 30 | | |
| Velocity of Flue Gases | | °C | | 42 | | |
| Volume of Flue Gases | | M/Sec | | | 7.46 | |
| Type of Fuel | | Nm³/Hr | 7179 | | | |
| POLLUTION PARAMET | EDC | the state of the s | | | | |
| PARAMETERS | LING | METHOD | 1 | | | |
| l'otal Particulate Matter | TC: TT | | UNIT | LIMIT | RESULT | |
| Sulphur Di-Oxide | | 255 (part I)-1985 | mg/Nm ³ | 150 | 25.2 | |
| Oxide of Nitrogen | IS 12 | 55 (part II)-1985 | ppm | 50 | B.D.L (MDL <1) | |
| arbon Dioxide | IS 112 | 255 (part 7)-2005 | ppm | NA | B.D.L (MDL <1) | |
| Acid Mist | | S 307 :1966 | mg/m ³ | NA | 0.17 | |
| NOTE: 1) The above results | EPA Method | | ppm | NA | 9.54 | |

he 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.

Analyzed by

Checked by

BRANCH OFF. : 310, Dempe Towers, EDC Patto, Panaj-403-001 Goa State, India 7 (0832) 2437045 (2437154

E-muil - sadekarenvire@rediffmail.com = //-------

LABORATORY : E-305/307, Plot No. 61, Patel Estate. Reis Magos, Werem, Alto, Old Bettin Rostt, Earliez, Porvorim, Panaji-Gos-403 107
Cine State: indig. 7 : (0832) 2411/227 / 23 « E-mail : stariaboual@rediffmail.com - CIN No. D45/2016/11898PTC-11/21/91

Pol Sc. 4-55 Roof No. 16, Kisan Nagar Roud, M.I.D.C. Weigle Incustrial Area: There - 400 604, Maharashiba Stele, India r Infl. 2212683 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail: pol@sadekarenviro.com / poetekare

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Literature of March 1922 and Appendix to Supplemental Sup

| Report No. | SEET/A | AA/GSL/2020/12 | | Date | 10/02/2020 | | |
|--------------------------|------------|-------------------|--------------------|--|----------------|--|--|
| Name of Client | M/s GA | LAXY SURFAC | TANTS LIM | ITED | | | |
| Address of Client | Plot No | . V-23 & 01, MID | C Taloja, Tal. | Taloja, Tal. Panvel, Dist. Raigad -410 208 | | | |
| Sample collected by | | AA Representative | | | | | |
| Reference | | | | | | | |
| Date of sampling | 29/01/2 | 020 | Sample Rece | ipt Date | 30/01/2020 | | |
| Analysis Start Date | 30/01/2020 | | Analysis Cor | nplete Date | 31/01/2020 | | |
| | | DETAILS | S OF STACK | | | | |
| Description | Unit | | | Result | | | |
| Stack No. | | - | | S-6 | | | |
| Stack Attached To | | .77 | | Scrubber No .3 (MED) | | | |
| Shape | | - | | Round | | | |
| Diameter | | M | | 0.6 | | | |
| Height From Ground Level | | M | | 30 | | | |
| Temperature | | °C | | 45 | | | |
| Velocity of Flue Gases | | M/Sec | | 7.29 | | | |
| Volume of Flue Gases | | Nm³/Hr | | 6950 | | | |
| Type of Fuel | | | | | | | |
| POLLUTION PARAMET | ERS | | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 11 | 255 (part I)-1985 | mg/Nm ³ | 150 | 29,7 | | |
| Sulphur Di-Oxide | IS 12 | 55 (part II)-1985 | ppm | 50 | B.D.L (MDL <1) | | |
| Oxide of Nitrogen | | 255 (part 7)-2005 | ppm | NA | B.D.L (MDL <1) | | |
| Carbon Dioxide | 1 | S 307 :1966 | mg/m ² | NA | 0.18 | | |
| Acid Mist | EPA Method | | ppm | NA | 10.2 | | |

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.

Analyzed by



Checked by

BRANCH OFF. : 310, Dempo Towers, EDC Patto, Panagi-403 001. Goil State, India 7. (0832) 2437046 (2437164 E-mail sadekarenviros@rediffmail.com »

LABORATORY : B-306/307, Plus No. 61, Patel Estate, Reis Magos, Verem, Alto, Old Behini Road, Bardez, Porvorim, Panaji-Gos-403-101, Gos-State, India. 7: (0852) 2411322 / 23 - E-mail: startebgoe@rediffmail.com + CN No. U45209MH1998PTC-116379

Por St. A.M. Prist No. 16. Kisse Neper Rose, M. D. C. Wagle returned Arts. There - 4/9 824, 144-22-1-1-5-4, Four Foundation 2583-3522 (2583-3522) (2583-3523) 4.5 call on Buildware to room precision grand from

Total In North William Presidence Chapter Invitation 6 (1987); The Land Court Court Residence (24) Device Land Court Court (25) The State Court Court (25) The State Court (25) The Court

| Report No | SEET/ | AA/GSL/2020/43 | | Date | 10/02/2020 | | |
|--------------------------|---|------------------------|--------------------|-----------------------|--------------|--|--|
| Name of Client | 100000000000000000000000000000000000000 | ALAXY SURFAC | TANTS LIM | 111.51.57 | 1,00,000,000 | | |
| Address of Client | | o. V-23 & 01. MID | | | nigad_410208 | | |
| Sample collected by | | AA Representative | | | | | |
| Reference | ***** | | | | | | |
| Date of sampling | 31/01// | 2020 | Sample Reco | ipt Date | 01/02/2020 | | |
| Analysis Start Date | 03/02/2 | | | mplete Date | 04/02/2020 | | |
| | | DETAILS | S OF STACK | | | | |
| Description | | Unit | | Result | | | |
| Stack No. | | | | S-7 | | | |
| Stack Attached To | ack Attached To | | | D.G. Set 1.9 MW (EOU) | | | |
| Shape | | | | | Round | | |
| Diameter | Diameter | | | 0.8 | | | |
| Height From Ground Leve | ľ | M | | | 45 | | |
| Temperature | | °C | | | 204 | | |
| Velocity of Flue Gases | | M/Sec | | 11,23 | | | |
| Volume of Flue Gases | | Nm ³ /Hr | | 12689 | | | |
| Type of Fuel | | Kg/Hr. | F.O | | | | |
| POLLUTION PARAME | TERS | | | | , | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS II | 255 (part 1)-1985 | mg/Nm ³ | 150 | 49.7 | | |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II)-1985 | | 810 | 6.42 | | |
| Oxide of Nitrogen | IS 11 | 255 (part 7)-2005 | ppm | NA | 5.76 | | |
| Carbon Dioxide | 1 | IS 307:1966 | mg/m³ | NA. | 0.22 | | |
| Sulphur content | | *** | 0/0 | 4.5 | 0.0008 | | |

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) BDI. Below Detectable Limit.

Analyzed by

Checked by

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ERANCH OFF 340, Demaio Towers, EDC Partic, Penal 403 001, Gos State, India 7, (0832) 243/1548 (2437/64

E-mail: eadeketenviro@mdifmail.com = 1/2

LABORATORY : 5-308/307, Plot No. 51, Patel Estate, Reis Magos, Veren, Ado, Old Settin Road, Bardez, Ponyzim, Plinag-Goa-403 101 Gus State, India (2) 108321 24115/22 / 23 x E-mint i starteogoaggred/final.com x C11 No. 13-82/04/15/128 PTC-010/76



Piot No. A-95, Road No. 15, Kisan Nagar Road, M.I.D.C. Wagle Industrial Area, There - 400 604, Maharashtra State, India. @: (91-22) 2583 3321 / 2583 3322 / 2583 3323 / 2583 3324 • E-mail: prs@sadekarenviro.com / psadekar5@gmail.com

STIVE LIFE

Gazetted by Ministry of Environment, Forest & Climate Change, Govt Of India, S. O. 857 (E), Valid upto 25.02.2023 * QCI-NABET Accredited EtA Consultancy

Lab. accredited by NABL, Valid up to 26.03.2020 * Certified by ISQ 9001.2015 & BS OHSAS 18001 : 2007

| | 1 | | | Data | | 10/02/2020 |
|--------------------------|-------------------|---------------------|----------------|-------------------|------------|-------------|
| Report No | SEET/A | AA/GSL/2020/44 | CONTA NUMBER I | Date | | 10/02/2020 |
| Name of Client | M/s G/ | ALAXY SURFA | CIANISL | Tel Demisel D | et Pain | ad = 410208 |
| Address of Client | Plot No | . V-23 & 01, MII | DC Taloja, I | iai. Panvei, D | ist, Kaigi | au +10200 |
| Sample collected by | AA Representative | | | | | |
| Reference | | 2022 | C L D | wint Data | 01/02 | 2/2020 |
| Date of sampling | 31/01/2 | | Sample Rec | omplete Date | | 2/2020 |
| Analysis Start Date | | | | | 1 04/02 | 72020 |
| | | DETAILS | OF STACE | | | |
| Description | Unit | | | Result | | |
| Stack No. | *** | | | S-8 | | |
| Attached To | ached To | | | D.G. Set 1000 KVA | | |
| Shape | | | R | | Round | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Lev | el | M | | | 33 198 | |
| Temperature | | °C | _ | 10.19 | | |
| Velocity of Flue Gases | | M/Sec | | 11660 | | |
| Volume of Flue Gases | | Nm³/Hr | | | | |
| Type of Fuel | | Kg/Hr. | | H,S.D | | |
| POLLUTION PARAM | ETERS | | 21212 | LIMIT | | RESULT |
| PARAMETERS | | METHOD | UNIT | | | 41.2 |
| Total Particulate Matter | | 255 (part I)-1985 | | | _ | 4.65 |
| Sulphur Di-Oxide | | 55 (part II) – 1985 | | 2.14 | | 4.65 |
| Oxide of Nitrogen | | 255 (part 7)-2005 | ppm | | | 0.19 |
| Carbon Dioxide | | IS 307 :1966 | mg/m | NA. | | 0.00063 |
| Sulphur content | | | % | 1,0 | | |

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.

BDL – Below Detectable Limit.

Analyzed by



Checked by

BRANCH OFF.

: 310, Dempo Towers, EDC Patto, Panaji-403 001, Goa State, India (*): (0832) 2437048 / 2437164

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LABORATORY : B-306/307, Plot No. 51, Patel Estate, Reis Magos, Verem, Alto, Old Betlim Road, Bardez, Porvorim, Panaji-Goa-403 101. Goa State, India. (1: (0832) 2411322 / 23 * E-mail: starlabgoa@rediffmail.com * CIN No. U45209MH1998PTC-116379



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Lim. screening by MISE, twid upon as an 2000, a confectivity, soor part & by Decks (8001, 2001

| | ANA | LYSIS REPORT | FOR STACK | EMISSION | | | |
|--------------------------|--------------------------|---|-------------------|-----------------------------------|------------|--|--|
| Report No | SEET/A | A/GSL/2020/134 | | Date | 23/03/2020 | | |
| Name of Client | M/s GA | LAXY SURFAC | TANTS LIM | ITED | | | |
| Address of Client | Plot No | Plot No. V-23 & 01, MIDC Taloja, Tal. Panvel, Dist. Raigad - 410208 | | | | | |
| Sample collected by | | AA Representative | | | | | |
| Reference | ATTE | | | | | | |
| Date of sampling | 19/03/2 | 020 | Sample Rece | | 20/03/2020 | | |
| Analysis Start Date | 21/03/2 | 21/03/2020 A | | mplete Date | 21/03/2020 | | |
| | | DETAILS | OF STACK | | | | |
| Description | escription Unit | | | Result | | | |
| stack No. | | | | S-1 | | | |
| Stack Attached To | | | | Oil Fire Boiler No.1 & 2(2.5 TPH) | | | |
| Shape | hape | | | Round | | | |
| Diameter | | M | | 0.8 | | | |
| Height From Ground Level | | M | | 33.3 | | | |
| Temperature | | °C | | 190 | | | |
| Velocity of Flue Gases | | M/Sec | | 10.28 | | | |
| Volume of Flue Gases | | Nm³/Hr | | 11966 | | | |
| Type of Fuel | | Kg/Hr. | | F.O./L.D.O | | | |
| POLLUTION PARAMET | ERS | | | | T provide | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 11 | 255 (part I)-1985 | mg/Nm | 150 | 81.6 | | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | | 86.4 | 13.4 | | |
| Oxide of Nitrogen | | 255 (part 7)-2005 | Ppm | 2- | 11.2 | | |
| Carbon Dioxide | | IS 307 :1966 | mg/m ³ | 2 | 0.26 | | |
| Sulphur content | | (page) | 9/0 | 4.5 | 0.0017 | | |

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

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

3) BDL - Below Detectable Limit

Authorized Signatory

Nilesh Naik





Pert No. A. R. Road No. 15. Keep Nagar Acad. M. D. C. Wagle Initiated Alex. Trains 400 604. Management State, India.

New Ing.

General Ry Minute of Environment, Ferric & Climan Change, Gred Offices, S. O. 857 (G. Valid) plu 13 for 2913 + 923 NAMET. According EM Committeey

Lab. accredited by NeBL Wind up to 25,03,2000 * Derrined by ISO 9001,2015 & 65 OHSAS 18001 | 2007

| | | | | EMISSION | | | |
|--------------------------|------------------------|---------------------|-------------------|---|--|---|--|
| Report No | | AA/GSL/2020/101 | | Date | 22/03/2020 | | |
| Name of Client | M/s G/ | LAXY SURFAC | TANTS LIM | ITED | The state of the s | | |
| Address of Client | Plot No | . V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. Ra | iigad – 410208 | _ | |
| Sample collected by | AA Rej | AA Representative | | | | | |
| Reference | (3)+4004 | | | | | | |
| Date of sampling | 12/03/2 | 020 | Sample Rece | | 13/03/2020 | _ | |
| Analysis Start Date - | | | Analysis Con | | 16/03/2020 | - | |
| | | DETAILS | OF STACK | | | | |
| Description | Unit | | | Result | | | |
| Stack No. | H= | | | S-2 | | | |
| Stack Attached To | To | | | Coal Fire Boiler (5TPH) Cyclone Separator + Bag Filter | | | |
| Shape | | | | | Round | | |
| Diameter | M | | | 0:4 | | | |
| Height From Ground Level | | M | | 35.0 | | | |
| Temperature | | DC. | | 184 | | | |
| Velocity of Flue Gases | | M/Sec | | | 9.32 | _ | |
| Volume of Flue Gases | | Nm³/Hr | | 2747 | | | |
| Type of Fuel | | Kg/Hr. | | Coal | | | |
| POLLUTION PARAMET | ERS | | | 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - | DESCRIPTION OF THE PERSON OF T | | |
| PARAMETERS | | METHOD | UNIT | | RESULT | - | |
| Total Particulate Matter | IS 1 | 1255 (part I)-1985 | mg/Nm | | 98.6 | | |
| Sulphur Di-Oxide | IS 12 | 55 (part II) - 1985 | Kg/day | 12.0 | 6.88 | | |
| Oxide of Nitrogen | IS 11255 (part 7)-2005 | | ppm | 775 | B.D.L | _ | |
| Carbon Dioxide | | IS 307 :1966 | mg/m ³ | : | 0.16 | _ | |
| Sulphates | | EPA Method | ppm | N.A. | 1.04 | | |
| Chloride | EP | A-26 A Method | mg/Nm | | 0.02 | _ | |
| Sulphur content | | *** | % | 0.5 | 0.0039 | | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Plot No. A-95, Road No. 15, Klain Nagar Road, M I D C, Wagle Intovina Aryo, There - 909 904 Management State, India (1) - (R1-22) 2561-3324 - 2561-3322 - 2563-3323 - 2563-3324 + E-mail - profit to the review occurs / SALIMIEN SALIM

Countries by Mensity of Environment, Entered & Committee Orlands, Good Officials, G. O. 1877 (E. Maintingto, 2518) 2018 COSTALABLET, Accompted EIA Committee of

Carn accredited by MABL Weld up to 26 03 2020 ★ Certified by ISO 9001:2015 & 85 CHSAS 18001 - 2007

| | ANA | LYSIS REPORT | FOR STACE | EMISSION | | | |
|--------------------------|--------------------------|--|-------------------|------------------------|----------------|--|--|
| Report No | SEET// | AA/GSL/2020/117 | | Date | 22/03/2020 | | |
| Name of Client | M/s G/ | LAXY SURFAC | TANTS LIM | ITED | | | |
| Address of Client | Plot No | . V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. R. | aigad – 410208 | | |
| Sample collected by | | AA Representative | | | | | |
| Reference | | | | | | | |
| Date of sampling | 14/03/2 | 020 | Sample Reco | eipt Date | 16/03/2020 | | |
| Analysis Start Date | 17/03/2 | | | mplete Date | 18/03/2020 | | |
| | | DETAILS | OF STACK | | | | |
| Description Unit | | | Result | | | | |
| Stack No. | | ** | | S-3 | | | |
| Stack Attached To | | ** | | Thermopac Boiler (EOU) | | | |
| Shape | hape | | | Round | | | |
| Diameter | | M | | 0.4 | | | |
| Height From Ground Level | | M | | 30.25 | | | |
| Temperature | | °C | | | 185 | | |
| Velocity of Flue Gases | | M/Sec | | 10.23 | | | |
| Volume of Flue Gases | | Nm³/Hr | | 3010 | | | |
| Type of Fuel | | Kg/Hr. | | F.O | | | |
| POLLUTION PARAMET | TERS | | -, | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | | |
| Total Particulate Matter | IS 11 | 255 (part I)-1985 | mg/Nm | 150 | 94.8 | | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | Kg/day | 155.52 | 7.52 | | |
| Oxide of Nitrogen | IS 11 | IS 11255 (part 7)-2005 | | | 4.88 | | |
| Carbon Dioxide | | IS 307 :1966 | mg/m ³ | 77 | 0.29 | | |
| Sulphur content | | (Annual Control of Con | % | 4.5 | 0.0039 | | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Flot No. A-50. Road No. 16, Histor Nagar Road, M. D.C. Wage Industrial Area. Traine 400-604. Matematics: State, Inclu-© 191-221 2583-3521 (2585-2522 (2585-3525 (2585-3524 €-Insti)) pro@interconstvir com | padmat6.0 gmail. SHE WHEN

Course By Manager of Environment, Farmer's Committee Course Change, Sout Officers, St. D. 1857 (E). Vales upto 25 to 2005 * OCS NABET. Accommissed \$18.00 cm. Princip

Lab accredited by NABL Velid up to 25.03.2020 . Centred by ISO 9001:2015 & BS OHSAS 18001 17007

| | ANA | ALYSIS REPORT | FOR STACE | K EMISSION | | |
|--------------------------|---------|--------------------------|---|-----------------------|----------------|--|
| Report No. | SEET | 'AA/GSL/2020/102 | 22/03/2020 | | | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIV | Date | 22/05/2020 | |
| Address of Client | | o. V-23 & 01, MID | | | aread = 410208 | |
| Sample collected by | AA Re | presentative | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | argus 710200 | |
| Reference | | | | | | |
| Date of sampling | 12/03/ | 2020 | Sample Reco | eint Date | 13/03/2020 | |
| Analysis Start Date | 14/03/2 | 2020 | Analysis Co | | 16/03/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | | | S-4 | | |
| Stack Attached To | | | | Scrubber No .1 (V-23) | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0.6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | °C | | 43 | | |
| Velocity of Flue Gases | | M/Sec | | 7.29 | | |
| Volume of Flue Gases | | Nm³/Hr | | 6994 | | |
| Type of Fuel | | 970 | | 177 | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11 | IS 11255 (part I)-1985 | | 150 | 21.2 | |
| Sulphur Di-Oxide | | IS 1255 (part II) - 1985 | | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen | | IS 11255 (part 7)-2005 | | NA | 1.86 | |
| Carbon Dioxide | | IS 307 :1966 | | NA | 0.17 | |
| Acid Mist | | EPA Method | mg/m³ | NA | 9.12 | |
| ALCOHOL LANDA | -1 | LI A MEUIOU | | 6.56.8 | 7.12 | |

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

The above results relate only to the item tested.

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| | ANA | LYSIS REPORT | FOR STACE | EMISSION | | |
|--------------------------|---------|--------------------------|----------------|----------------------|----------------|--|
| Report No | SEET/ | AA/GSL/2020/103 | | Date | 22/03/2020 | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | ITED | | |
| Address of Client | Plot No | o. V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. R | aigad - 410208 | |
| Sample collected by | AA Re | presentative | _ | | | |
| Reference | 14444 | | | | | |
| Date of sampling | 12/03/2 | 2020 | Sample Reco | eipt Date | 13/03/2020 | |
| Analysis Start Date | 14/03/2 | 2020 | Analysis Co | mplete Date | 16/03/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | | | S-5 | | |
| Stack Attached To | | | | Scrubber No .2 (EOU) | | |
| Shape | | 22 | | Round | | |
| Diameter | | M | | 0.6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | 0C | | 44 | | |
| Velocity of Flue Gases | | M/Sec | | 7.40 | | |
| Volume of Flue Gases | | Nm³/Hr | | 7077 | | |
| Type of Fuel | | | | | inter. | |
| POLLUTION PARAMET | TERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11 | IS 11255 (part I)-1985 | | 150 | 24.5 | |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II) - 1985 | | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen | IS 11 | IS 11255 (part 7)-2005 | | NA | B.D.L (MDL <1) | |
| Carbon Dioxide | | IS 307 :1966 | | NA | 0.16 | |
| Acid Mist | | EPA Method | | NA | 8.64 | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Put No. A/65, Road No. 18, Kijan Nagar Road, M.I.D.C. Wagts Wouthar Area, There 400 604. Maharastrica Blass, India (C. 191-22) 2583 3301 (2583 3322) 2583 3323 (2553 3324 • F-mail: pro@eedewaren/vo.com (pasceker/@gmel.com SWEDT IN

Countrief By Mining of Environment Freez & Office Change, Corr Of Index, S. O. 897 (E), valid upon 15.00,000 1 (60 AVAILET, According EA Computerry,

Lab. accredited by NSBL Visid up to 26.03.2020 . Centred by ISO 9001.2015 & BS DHSAS 18001 - 2007

| | ANA | LYSIS REPORT | FOR STACE | KEMISSION | | |
|--------------------------|--------------------------|-------------------|----------------|----------------------|-----------------|--|
| Report No | SEET/ | AA/GSL/2020/104 | | Date | 22/03/2020 | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | HTED | | |
| Address of Client | Plot No | o. V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. R | aigad – 410 208 | |
| Sample collected by | AA Re | presentative | | | | |
| Reference | **** | | | | | |
| Date of sampling | 12/03/2 | 2020 | Sample Reco | eipt Date | 13/03/2020 | |
| Analysis Start Date | 14/03/2 | THE SEC ST. | Analysis Co | | 16/03/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | 0##5 | | S-6 | | |
| Stack Attached To | | *** | | Scrubber No .3 (MED) | | |
| Shape | | 1247 | | Round | | |
| Diameter | | M | | 0.6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | °C | | 46 | | |
| Velocity of Flue Gases | | M/Sec | | 7,38 | | |
| Volume of Flue Gases | | Nm³/Hr | | 7013 | | |
| Type of Fuel | | .++. | | =#: | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | METHOD | | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11255 (part I)-1985 | | mg/Nm | 150 | 27.2 | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | ppm | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen | IS 11255 (part 7)-2005 | | ppm | NA | B.D.L (MDL <1) | |
| Carbon Dioxide | IS 307 :1966 | | mg/m³ | NA | 0,19 | |
| Acid Mist | EPA Method | | ppm | NA | 10.34 | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Secretical By Mining of Entirement, Freez & Comins Change, Gost Official, S. O. 857 (S). Wild Cyru 25:02:2003 * GC:194/8ET. According EA Completing, Ltd., sported by NRBL Visid: up to 26:00:2000 ★ Certified by ISO 9001:2015 & RS CHSAS: 18001: 2007.

| | ANA | LYSIS REPORT | FOR STACE | K EMISSION | | |
|--------------------------|--------------------------|-----------------|----------------|-----------------------|----------------|--|
| Report No | SEET/ | AA/GSL/2020/115 | 1 | Date. | 22/03/2020 | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | IITED | | |
| Address of Client | Plot No | v-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. R | aigad – 410208 | |
| Sample collected by | AA Re | presentative | | | | |
| Reference | | | | | | |
| Date of sampling | 14/03/2 | 2020 | Sample Reco | cipt Date | 16/03/2020 | |
| Analysis Start Date | 17/03/2 | 2020 | Analysis Co. | mplete Date | 18/03/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | 43 | | S-7 | | |
| Stack Attached To | | | | D.G. Set 1.9 MW (EOU) | | |
| Shape | | 2- | | Round | | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Level | | M | | 45 | | |
| Temperature | | OC. | | 196 | | |
| Velocity of Flue Gases | | M/Sec | | 11.14 | | |
| Volume of Flue Gases | | Nm³/Hr | | 12802 | | |
| Type of Fuel | | Kg/Hr. | | F.O | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11255 (part I)-1985 | | mg/Nm | 150 | 46.6 | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | Kg/day | 810 | 7.54 | |
| Oxide of Nitrogen | IS 11255 (part 7)-2005 | | ppm | NA | 5,92 | |
| Carbon Dioxide | IS 307 :1966 | | mg/m³ | NA | 0.24 | |
| Sulphur content | 707 | | % | 4.5 | 0.00093 | |

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

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

3) BDL - Below Detectable Limit.

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| | ANA | LYSIS REPORT | FOR STACE | K EMISSION | | |
|--------------------------|---------|--------------------------|-------------|-------------------|-------------------|--|
| Report No | SEET/ | AA/GSL/2020/116 | | Date | 22/03/2020 | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | ITED | 22000000 | |
| Address of Client | | o. V-23 & 01, MID | | | aigad - 410208 | |
| Sample collected by | AA Re | presentative | | | - Bank - Starpens | |
| Reference | ***** | | | | | |
| Date of sampling | 14/03/ | 2020 | Sample Rece | cipt Date | 16/03/2020 | |
| Analysis Start Date | 17/03/2 | 2020 | Analysis Co | | 18/03/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | |] | Result | |
| Stack No. | | | | S-8 | | |
| Attached To | | vi | | D.G. Set 1000 KVA | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Level | | M | | 33 | | |
| Temperature | | ⁰ C | | 188 | | |
| Velocity of Flue Gases | | M/Sec | | 10.08 | | |
| Volume of Flue Gases | | Nm³/Hr | | 11784 | | |
| Type of Fuel | | Kg/Hr. | | H.S.D | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11 | IS 11255 (part I)-1985 | | 150 | 43,7 | |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II) - 1985 | | 81.6 | 4,78 | |
| Oxide of Nitrogen | | IS 11255 (part 7)-2005 | | NA | 4.39 | |
| Carbon Dioxide | | IS 307 :1966 | | NA | 0.18 | |
| Sulphur content | 201 | | mg/m³ | 1.0 | 0.00064 | |

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

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

3) BDL - Below Detectable Limit.

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German Sy March of Environment, Front & Closes Gauge, Société de B. D. Bill J.D. Velonger St. III. 2015 * QC-64667 According Dis Consultant

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| | ANA | LYSIS REPORT | FOR STACE | EMISSION | | |
|--------------------------|---------|--------------------------|--------------------------|-----------------------------------|--------------|--|
| c | SEET/ | AA/GSL/2020/191 | | Date | 22/06/2020 | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | ITED | | |
| Address of Client | | . V-23 & 01, MID | | | aigad 410208 | |
| Sample collected by | | presentative | | | | |
| Reference | Owners | | | | | |
| Date of sampling | 10/06/2 | 020 | Sample Rece | eipt Date | 11/06/2020 | |
| Analysis Start Date | 12/06/2 | 020 | Analysis Co | mplete Date | 13/06/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | Result | | |
| Stack No. | | | | S-1 | | |
| Stack Attached To | | *** | | Oil Fire Boiler No.1 & 2(2.5 TPH | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Level | | M | | 33,3 | | |
| Temperature | | °C | | 191 | | |
| Velocity of Flue Gases | | M/Sec | | 10.02 | | |
| Volume of Flue Gases | | Nm³/Hr | | 11639 | | |
| Type of Fuel | | Kg/Hr. | | F.O./L.D.O | | |
| POLLUTION PARAMET | TERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS 11 | IS 11255 (part I)-1985 | | 150 | 80.5 | |
| Sulphur Di-Oxide | IS 12: | IS 1255 (part II) - 1985 | | 86.4 | 14.2 | |
| Oxide of Nitrogen | IS 11 | IS 11255 (part 7)-2005 | | ** | 12.1 | |
| Carbon Dioxide | | IS 307:1966 | ppm mg/m ³ | | 0.27 | |
| Sulphur content | | *** | 9/6 | 4.5 | 0.0019 | |

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

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

3) BDL - Below Detectable Limit

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Lat. accredited by **RETIL**, which up to 20 00 2000 a carefiel by this main zimb a his carbon, main zimb

| | ANA | LYSIS REPORT | FOR STACK | | N. | T commons | |
|--------------------------|--------------------------|---|----------------|--|-------------|--|--|
| Report No | SEET/A | A/GSL/2020/174 | | Date | | 15/06/2020 | |
| Name of Client | M/s GA | LAXY SURFAC | TANTS LIM | ITED | | 110200 | |
| Address of Client | Plot No | V-23 & 01, MID | C Taloja, Tal. | Panvel, Dis | t. Raigad - | -410208 | |
| Sample collected by | | presentative | | | | | |
| Reference | Colonia Con | | | | 0.00 | 0.6 (20/20) | |
| Date of sampling | 06/06/2 | 020 | Sample Reco | eipt Date | | 06/2020 | |
| Analysis Start Date | 08/06/2 | 020 | Analysis Co | | 1 09/ | 06/2020 | |
| | | DETAILS | OF STACK | Š. | | | |
| Description | | Unit | | | Result | | |
| Stack No. | | | | S-2 | | | |
| Stack Attached To | | | | Coal Fire Boiler (5TPH) Cyclone Separator + Bag Filter | | | |
| Shape | | | | Round | | | |
| Diameter | | M | | 0.4 | | | |
| Height From Ground Level | | M | | 35.0 | | | |
| Temperature | | ⁰ C | | 187 | | | |
| Velocity of Flue Gases | | M/Sec | | 9.44 | | | |
| Volume of Flue Gases | | Nm³/Hr | | 2858 | | | |
| Type of Fuel | | Kg/Hr. | | | Coal | | |
| POLLUTION PARAME | TERS | | | | CAST. | RESULT | |
| PARAMETERS | | METHOD | UNIT | | | F-100 C-100 C- | |
| Total Particulate Matter | IS 1 | 1255 (part I)-1985 | mg/Nn | | | 95.4 | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | kg/da | y 12 | .0 | 7.02 | |
| Oxide of Nitrogen | IS 1 | 1255 (part 7)-2005 | ppm | | | B.D.L | |
| Carbon Dioxide | IS 307 :1966 | | mg/m | 13 - | | 0.20 | |
| Sulphates | | EPA Method | | N. | | 1.06 | |
| Chloride | E | EPA-26 A Method | | n³ N. | | 0.03 | |
| Ciliditat | | 202 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | 0. | 5 | 0.0038 | |

Sulphur content --- % 0.3

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| | ANA | LYSIS REPORT | FOR STACE | C EMISSI | ON | |
|--------------------------|---------|--------------------------|--------------------------|------------------------|------------|-------------|
| Report No | SEET/ | SEET/AA/GSL/2020/180 | | | | 15/06/2020 |
| Name of Client | M/s G/ | ALAXY SURFAC | TANTS LIM | ITED | | |
| Address of Client | Plot No | v-23 & 01, MID | C Taloja, Tal. | Panvel, D | ist. Raiga | id - 410208 |
| Sample collected by | | presentative | | | | |
| Reference | 22225 | | | | | |
| Date of sampling | 08/06/2 | 2020 | Sample Rece | eipt Date | 20 | 09/06/2020 |
| Analysis Start Date | 10/06/2 | :020 | Analysis Co | mplete Da | te | 11/06/2020 |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Res | ult |
| Stack No. | | | | S-3 | | |
| Stack Attached To | | | | Thermopac Boiler (EOU) | | |
| Shape | | . * | | Round | | |
| Diameter | | M | | 0.4 | | |
| Height From Ground Level | | M | | 30.25 | | |
| Temperature | | ⁰ C | | 181 | | |
| Velocity of Flue Gases | | M/Sec | | 9.77 | | |
| Volume of Flue Gases | | Nm³/Hr | | 2899 | | |
| Type of Fuel | | Kg/Hr. | | F,O | | |
| POLLUTION PARAMET | TERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LI | AIT | RESULT |
| Total Particulate Matter | IS 1 | IS 11255 (part I)-1985 | | 3 1. | 50 | 88.5 |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II) - 1985 | | 155 | .52 | 7.36 |
| Oxide of Nitrogen | | IS 11255 (part 7)-2005 | | | - | 4.92 |
| Carbon Dioxide | | IS 307 :1966 | ppm mg/m ³ | | - 1 | 0.31 |
| Sulphur content | | | | | .5 | 0.0040 |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| Report No | SEET/A | SEET/AA/GSL/2020/172 Date 15/06/2020 | | | | |
|--------------------------|---------|--------------------------------------|-------------------|-----------------------|----------------|--|
| Name of Client | | M/s GALAXY SURFACTANTS LIMITED | | | | |
| Address of Client | Plot No | . V-23 & 01, MID | C Taloja, Tal. Pa | nvel, Dist. Rai | igad – 410208 | |
| Sample collected by | | presentative | | | | |
| Reference | 20000 | | | | | |
| Date of sampling | 06/06/2 | 020 | Sample Receipt | Date | 07/06/2020 | |
| Analysis Start Date | 08/06/2 | 020 | Analysis Comp | lete Date | 09/06/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | B | Result | |
| Stack No. | | | | S-4 | | |
| Stack Attached To | | | | Scrubber No .1 (V-23) | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0.6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | °C | | 45 | | |
| Velocity of Flue Gases | | M/Sec | | 7.14 | | |
| Volume of Flue Gases | | Nm³/Hr | | 6807 | | |
| Type of Fuel | | 940 | | | | |
| POLLUTION PARAME | TERS | | UNIT | * ****** | RESULT | |
| PARAMETERS | | METHOD | | LIMIT | 272222 | |
| Total Particulate Matter | IS I | 1255 (part I)-1985 | mg/Nm³ | 150 | 20.6 | |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II) - 1985 | | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen | IS 1 | IS 11255 (part 7)-2005 | | NA | 1.78 | |
| Carbon Dioxide | | IS 307 :1966 | | NA | 0.16 | |
| Acid Mist | | EPA Method | | NA | 8.86 | |
| | | | | | | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| | ANA | LYSIS REPORT | FOR STACE | EMISSION | | |
|--------------------------|--------------------------|------------------------|--------------|----------------------|----------------|--|
| Report No | SEET/A | A/GSL/2020/192 | | Date | 22/06/2020 | |
| Name of Client | | LAXY SURFAC | | ITED | 1,322,333,44 | |
| Address of Client | | . V-23 & 01, MID | | | sigad - 410208 | |
| Sample collected by | | resentative | | | | |
| Reference | 2000 | | | | | |
| Date of sampling | 09/06/2 | 020 | Sample Rece | cipt Date | 10/06/2020 | |
| Analysis Start Date | 11/06/2 | 020 | Analysis Con | | 12/06/2020 | |
| | | DETAILS | OF STACK | | | |
| Description | | Unit | | | Result | |
| Stack No. | | | | S-5 | | |
| Stack Attached To | | | | Scrubber No .2 (EOU) | | |
| Shape | | ** | | Round | | |
| Diameter | | M | | 0.6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | °C | | 46 | | |
| Velocity of Flue Gases | | M/Sec | | 7.37 | | |
| Volume of Flue Gases | | Nm³/Hr | | 7004 | | |
| Type of Fuel | | ** | | | | |
| POLLUTION PARAMET | | | UNIT | | | |
| PARAMETERS | | METHOD | | LIMIT | RESULT | |
| Total Particulate Matter | IS 11255 (part I)-1985 | | mg/Nm | 150 | 21.9 | |
| Sulphur Di-Oxide | IS 1255 (part II) - 1985 | | ppm | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen | IS 11: | IS 11255 (part 7)-2005 | | NA | B.D.L (MDL <1) | |
| Carbon Dioxide | I | IS 307 :1966 | | NA | 0.15 | |
| Acid Mist | EPA Method | | mg/m³ ppm | NA | 8.26 | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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| | ANA | LYSIS REPORT | FOR STACE | K EMISSION | | |
|--------------------------|---------|---------------------|----------------|----------------------|------------------|---|
| Report No | SEET/A | AA/GSL/2020/182 | | Date | 15/06/2020 | |
| Name of Client | M/s G/ | LAXY SURFAC | TANTS LIM | HTED | V | |
| Address of Client | Plot No | , V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. | Raigad - 410 208 | |
| Sample collected by | | presentative | | | | |
| Reference | - | | | | | |
| Date of sampling | 02/06/2 | 020 | Sample Reco | eipt Date | 03/06/2020 | |
| Analysis Start Date | 04/06/2 | 020 | Analysis Co | mplete Date | 05/06/2020 | |
| | | DETAILS | S OF STACK | 2 | | |
| Description | | Unit | | | Result | |
| Stack No. | | - | | S-6 | | |
| Stack Attached To | | | | Scrubber No .3 (MED) | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0,6 | | |
| Height From Ground Level | | M | | 30 | | |
| Temperature | | ⁸ C | | 44 | | |
| Velocity of Flue Gases | | M/Sec | | 7.34 | | |
| Volume of Flue Gases | | Nm³/Hr | | 7020 | | |
| Type of Fuel | | | | *** | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | RESULT | |
| Total Particulate Matter | IS L | 255 (part I)-1985 | mg/Nm | 150 | 24.6 | |
| Sulphur Di-Oxide | IS 12 | 55 (part II) - 1985 | ppm | 50 | B.D.L (MDL <1) | |
| Oxide of Nitrogen . | | 255 (part 7)-2005 | ppm | NA | B.D.L (MDL <1) | 1 |
| Carbon Dioxide | | IS 307 :1966 | mg/m | NA | 0.16 | |
| Acid Mist | | EPA Method | | NA. | 9.98 | |

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

- 2) The above results relate only to the item tested.
- 3) BDL Below Detectable Limit.

Authorized Signatory Nilesh Naik

quested 3 at 2000



Lam accredition by MARIL from some 25.00 2025, a Careful by too 600 come 5 as calman specific

| | ANA | LYSIS REPORT | FOR STACE | KEMISSION | | |
|--------------------------|------------------------|--------------------------|----------------|-----------------------|----------------|--|
| Report No | SEET/A | AA/GSL/2020/173 | | Date | 15/06/2020 | |
| Name of Client | M/s G/ | LAXY SURFAC | TANTS LIM | IITED | | |
| Address of Client | Plot No | V-23 & 01, MID | C Taloja, Tal. | Panvel, Dist. Ra | nigad – 410208 | |
| Sample collected by | | presentative | | | | |
| Reference | | | | | | |
| Date of sampling | 06/06/2 | 020 | Sample Reco | eipt Date | 07/06/2020 | |
| Analysis Start Date | 08/06/2 | | | mplete Date | 09/06/2020 | |
| | | DETAILS | S OF STACK | 2 | | |
| Description | | Unit | | Result | | |
| Stack No. | | - | | S-7 | | |
| Stack Attached To | | - | | D.G. Set 1.9 MW (EOU) | | |
| Shape | | (See | | Round | | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Leve | | M | | 45 | | |
| Temperature | | °C | | 201 | | |
| Velocity of Flue Gases | | M/Sec | | 11.10 | | |
| Volume of Flue Gases | | Nm³/Hr | | 12621 | | |
| Type of Fuel | | Kg/Hr. | | F,O | | |
| POLLUTION PARAME | TERS | | UNIT | | | |
| PARAMETERS | | METHOD | | LIMIT | RESULT | |
| Total Particulate Matter | IS 11255 (part I)-1985 | | mg/Nm | 150 | 45.5 | |
| Sulphur Di-Oxide | IS 12 | IS 1255 (part II) - 1985 | | 810 | 6.94 | |
| Oxide of Nitrogen | | IS 11255 (part 7)-2005 | | NA. | 5.86 | |
| Carbon Dioxide | | IS 307 :1966 | mg/m³ | NA | 0.22 | |
| Sulphur content | | 2.2 | | 4.5 | 0.00087 | |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory

Nilesh Naik

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FOR FOR A STATE STORY (2003) 2002 (2004) 2003 (2004) 2003 (2004) E-mail (shell) (shell

MARCON.

Colombia St. Marriery of Emineratives, Forman & Chinese St. Roseya, Good Chinese, S. C. 1817 (E), Natural poly 2017 (2017) 400 (AND ST. Accomplised DA Colombian Chinese States (AND ST. Accomplised DA Colombian Chinese States (AND ST. ACCOMPLISED ACCOMPLISED

Late: accreement by MARIE. Trilled up to 26 th 2005. A Center's by not seen aven a six conduct recent according

| | ANA | LYSIS REPORT | FOR STACE | EMISSION | | |
|--------------------------|-------------|--------------------------------------|--------------------|--|-----------------|----------|
| Report No | SEET/ | SEET/AA/GSL/2020/181 Date 15/06/2020 | | | | |
| Name of Client | M/s G | ALAXY SURFAC | TANTS LIM | ITED | | 10100000 |
| Address of Client | | v. V-23 & 01, MID | | | aigad – 41 | 0208 |
| Sample collected by | | presentative | | A STATE OF THE STA | magazini. | |
| Reference | | | | | | |
| Date of sampling | 09/06/2 | 2020 | Sample Rece | ipt Date | 10/06/2 | 020 |
| Analysis Start Date | 11/06/2 | 2020 | Analysis Con | | 12/06/2 | **** |
| | | DETAILS | OF STACK | | 1 15-11-12-22-2 | |
| Description | Unit Result | | | | | |
| Stack No. | | | | S-8 | | |
| Attached To | | | | D.G. Set 1000 KVA | | |
| Shape | | | | Round | | |
| Diameter | | M | | 0.8 | | |
| Height From Ground Level | | M | | 33 | | |
| Temperature | | °C | | 193 | | |
| Velocity of Flue Gases | | M/Sec | | 10.14 | | |
| Volume of Flue Gases | | Nm ³ /Hr | | 11728 | | |
| Type of Fuel | | Kg/Hr. | | H.S.D | | |
| POLLUTION PARAMET | ERS | | | | | |
| PARAMETERS | | METHOD | UNIT | LIMIT | | RESULT |
| Total Particulate Matter | IS 11 | 255 (part I)-1985 | mg/Nm ³ | 150 | | 45.2 |
| Sulphur Di-Oxide | IS 12: | 55 (part II) - 1985 | kg/day | 81.6 | | 5.24 |
| Oxide of Nitrogen | | 255 (part 7)-2005 | ppm | NA | | 4.50 |
| Carbon Dioxide | | S 307 :1966 | mg/m³ | NA | | 0.19 |
| Sulphur content | | 966 | % | 1.0 | | 0.00070 |

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

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

3) BDL - Below Detectable Limit.

Authorized Signatory Nilesh Naik

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Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000020951

Company Information

Company Name

Galaxy Surfactants Limited

Claracy Surfactance Clinical

Address

Galaxy Surfactants Limited, V-23, MIDC Taloja,

Tal. Panvel, Dist. Raigad

Pint no

Pi... No. V-23 MIDC Taloja & Plot No.1 Village Chal

Capital Investment (In lakhs)

29264

Pincode 410208

Telephone Number

The state of the s

39215300

Region SRO-Taloja

21.00 (414)4

Last Environmental statement submitted

online

yes

Consent Valid Upto

28/02/2020

Application UAN number

0000039617

Taluka

Panvel

5cale

Large

Person Name

Mr. Seshu

Fax Number

27411701

Industry Category

Red

Consent Number

Formate1.0/BO/CAC-Cell/UAN No 0000039617/5thCAC-1811001366

Submitted Date

28-09-2019

Village

Chal

City

Panyel

Designation

Head Conversion

Email

seshu@galaxysurfactants.com

Industry Type

other

Consent Issue Date

29/11/2018

| 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 | 69930 | MT/A |
| Ethylene Oxide Condensate | 60000 | 38651 | MT/A |
| Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc. | 18240 | 5836 | MT/A |
| Sulphosuccinates | 720 | 0 | MT/A |
| Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc. | 15840 | 869 | MT/A |
| Fatty Acid Esters, Fatty alkanol amides and esterquats. | 20400 | 6213 | MT/A |

| By-product Information | | | Washington, and |
|---|------------------|-----------------|-----------------|
| By Product Name | Consent Quantity | Actual Quantity | UOM |
| Conc. Sulphuric Acid | 1584 | 705 | A/TM |
| Sortium Sulphate 20-25 % solution Solids 37.5 MT/ M | 2160 | 333 | MT/A |

| | _ | | | | | | | |
|---|---------------|---------------------------------|--------------------|-------------------------------|----------------------------|--------------------------|----------------|--------------|
| 1) Water Consumption in m3/day Water Consumption for Process | Conser 330 | nt Quantity | in m3/day | | Actual Q 262.44 | uantity in | m3/da | y |
| Cooling | 395 | | | | 314.13 | | | |
| Domestic | 40 | | | | 31.81 | | | |
| All others | 20 | | | | 15.91 | | | |
| Total | 785 | | | | 624.29 | | | |
| 1) Effluent Generation in CMD / MLD Particulars | ==== | | Consent (| Quantity | Act | ual Quan | tity | иом |
| Daily quantity of trade effluent from the factory | | | 184 | | 167 | .3 | | CMD |
| Daily quantity of aewage effluent from the factory | | | 30 | | 16, | 5 | | CMD |
| Product Wise Process Water Consumption (c per unit of product) | ubic mete | er of proces | s water | | | | | |
| Name of Products (Production) | | | | During Previou financia | s | During curren year | the t Finan | UOM ncial |
| Anionic surfactants (on 100% AM basis) such as Fatty ether sulphates etc. | Alcohol Su | ulphate, Fatty | / Alcohol | 1.44 | | 2.26 | | KL/A |
| Ethylene Oxide Condensate | | | | 0.76 | | 0.79 | | KL/A |
| Cationic Surfactants (on 100% AM basis) such as Beta | aine, Quate | ernary Ammo | nium Salts | 0.10 | | 5.14 | | KL/A |
| Sulphosuccinates | | | | 0.0 | | 0.0 | | KL/A |
| Surfactant blends (on 100% AM basis) such as Synde series etc. | t Soap- Gra | anules/Noodl | es, Sparkle | 0.02 | | 1.31 | | KL/A |
| Fatty Acid Esters, Fatty alkanol amides and esterqual | . | | | 0.13 | | 0.49 | | KL/A |
| 3) Raw Material Consumption (Consumption of material per unit of product) | raw | | | | | | | |
| Name of Raw Materials | | During to financial 0,251 | he Previou Year | is | During Financi 0.247 | the curre al year | nt | MT/A |
| Ethylene Oxide | | 0.231 | | | 0.247 | | | MIZA |
| Caustic lye | | 0.656 | | | 0.701 | | | MT/A |
| Fatty Alcohol Sulphur | | 0.105 | | | 0.106 | | | MT/A |
| HCFA | | 0.739 | | | 0.509 | | | MT/A |
| DMAPA | | 0.759 | | | 0.258 | | | MT/A |
| MCA | | 0.243 | | | 0.242 | | | MT/A |
| MEA | | 0.172 | | | 0.153 | | | MT/A |
| MEG | | 0.033 | | | 0.04 | | | MT/A |
| Steanic Acid | | 0.284 | | | 0.352 | | | MT/A |
| Fatty Alcohol Ethoxylates | | 0.028 | | | 0.024 | | | MT/A |
| Hydrogen Peroxide | | 0.028 | | | 0.001 | | | MT/A |
| nyurogen reroxide | | 0.001 | | | 0.001 | | | M11/72 |

0.028

0.037

0.005

0.018

MT/A

MT/A

Diethyl Lauryl Amine

Starch/Maltodextrin

| citric acid | | 0.004 | 0.00 | *\ | 2000 |
|--|--|---|------------------------------|------------------------|--------------------------|
| Cetostearyl Alcohol | | 0.143 | 0.14 | 1 | MT/A |
| | | | | | |
| 1) Fuel Consumption | | * | A-AI OAide | × | иом |
| Fuel Name | | Consent quantity 4266.12 | Actual Quantity 8.07 | | MT/A |
| FO & HFO | | The Control | | | |
| COAL | | 6570 | 3737 | | MT/A |
| HSD | | 1489.2 | 4.298 | | KL/A |
| Pollution discharged to | anvironment/unit | of output (Parameter as spec | ified in the consent is | sued) | |
| [A] Water | environment ann | or output it arameter as spec | | | |
| Pollutants Detail | Quantity of | Concentration of | Percentage of | | |
| | Pollutants discharged | Pollutants discharged(Mg/Lit) Except | variation from prescribed | | |
| | (kL/day) | PH, Temp, Colour | standards with | | |
| | The Section of the Se | | reasons | CALCULATED | - Marian and an |
| 204.0 | Quantity | Concentration | %variation | Standard 6.0 to 8.5 | Reason Within MPCB Limit |
| Н | NA | 7.26 | 14.58% | | |
| Suspended Solids | 0.59 | 8 | 92.00% | 100mg/L | Within MPCB Limit |
| Fotal Dissolved Solids | 14.72 | 200.45 | 90.45% | 2100mg/L | Within MPCB Limit |
| Chemical Oxygen Demand | 2,06 | 28.00 | 88.80% | 250mg/L | Within MPCB Limit |
| Biological Oxygen Demand | 0.32 | 4.36 | 95.64% | 100mg/L | Within MPCB Limit |
| Oil & Grease | Below Detectable Limit | <4 | | 10mg/L | Within MPCB Limit |
| Chloride | 1.31 | 17.91 | 97.02% | 600mg/L | Within MPCB Limit |
| Sulphate | 1.75 | 23.88 | 97.61% | 1000mg/L | Within MPCB Limit |
| Total Ammonical | 0.05 | 0.70 | 98.61% | 50mg/L | Within MPCB Limit |
| Nitrogen | | | | | |
| Sodium | 0.00 | 0.02 | 99.97% | 60% | Within MPCB Limit |
| Free Ammonia | 0.06 | 0.86 | 99.14% | 100mg/L | Within MPCB Limit |
| Tr Kjeldhal Nitrogen | 0.18 | 2.46 | 97.54% | 100mg/L | Within MPCB Limit |
| tot Market (Constant) | **** | | | | |
| [8] Air (Stack) Pollutants Detail | Quantity of | Concentration of Pollutants | Percentage of | | |
| | Pollutants | discharged(Mg/NM3) | variation from | | |
| | discharged (kL/day) | | prescribed standards with | | |
| | (KL/Qdy) | | reasons | | |
| | Quantity | Concentration | %variation | Standard | Reason |
| TPM (Boiler 1- 2.5 TPH) | 32.95 | 117.52 | 78:35 | 150 mg/ Nm3 | Within MPCB limit |
| 502 (Boiler 1- 2.5 TPH) | 6.89 | 6.89 | 7.97 | 86.4 Kg/Day | Within MPCB Limit |
| TPM (Boiler II - 5 TPH) | 8.55 | 125.18 | 83.45 | 150 mg/ Nm3 | Within MPCB Limit |
| SO2 (Boiler II - 5 TPH) | 7.64 | 7.64 | 63.66 | 12 Kg/Day | Within MPCB Limit |
| TPM (DG Set - 1.9 MW) | 12,57 | 43.91 | 29.27 | 150 mg/ Nm3 | Within MPC8 Limit |
| SO2 (DG Set - 1.9 MW) | 4,37 | 4.37 | 0.53 | 810 Kg/Day | Within MPCB Limit |
| TPM (DG Set - 1000 KVA) | 14.13 | 49.36 | 32.90 | 150 mg/ Nm3 | Within MPC8 Limit |
| 502 (DG Set - 1000 KVA) | 3.80 | 3.80 | 04.65 | 81.6 Kg/Day | Within MPCB Limit |
| TPM (V-23 Sulfonation) | 3,83 | 22.12 | 14.74 | 150 mg/ Nm3 | Within MPC8 Limit |
| The state of the s | | | | | |

0.004

Citric acid

0.004

MT/A

| | 201 | | | Mark ton | with her and | DCD IT |
|--|--|-----------------------|----------------------------|------------------------|---------------|------------|
| SO2 (V-23 Sulfonation) - | BDL | Si . | | ppm | 40.0041110110 | IPCB Limi |
| TPM (EOU Sulfonation) 4.98 | 29.25 | 19.5 | | 0 mg/ Nm3 | Within M | |
| SO2 (EOU Sulfonation) - | BDL | 9 | 50 | ppm | Within M | |
| TPM (MED Sulfonation) 4.21 | 26.34 | 17.56 | 15 | 0 mg/ Nm3 | Within M | PCB Lim |
| SO2 (MED Sulfonation) + | BDL | 3 | 50 | ppm | Within M | PCB Limi |
| HAZARDOUS WASTES 1) From Process Hazardous Waste Type | | Total Dur Previous | ing Financial | Total Dur Current F | | uoi |
| 35.1 Exhaust Air or Gas cleaning residue | | year 69.89 | | <i>year</i> 65.81 | | MT/ |
| 5.1 Used or spent oil | | 3.34 | | 1.71 | | MT/A |
| 1.6 Spent catalyst and molecular sieves | | 1.01 | | 0.61 | | MT/A |
| 33.1 Empty barrels/containers/liners con | taminated with hazardous chemicals | 0 | | 16.62 | | MT/A |
| /wastes | | | | | | |
| 5.2 Wastes or residues containing oil | | 0 | | 0 | | MT/A |
| 33.2 Contaminated cotton rags or other | cleaning materials | 0 | | 0 | | MT |
| Hazardous Waste Type 35.3 Chemical sludge from waste water | Total During Previous year treatment 32.09 | у | otal During ear 8.29 | | | MT// |
| SOLID WASTES 1) From Process Non Hazardous Waste Type | Total During Previous Financial | | ıring Curren | it Financia | (Interest | ИОМ |
| Waste Paper/Paper Bags | 23500 | 23912 | | | | (g/Annun |
| Corrugated Box | 00 | 0 | | | | Kg/Annur |
| Broken Glass/Non-Contaminated Plastic | 1130 | 1124 | | | | (g/Annur |
| Used Decontaminated Drums | 3269 | 3434 | | | | Nos./Y |
| Plastic/HDPE decontaminated Bags | 23940 | 23862 | | | | Nos./Y |
| Boiler Ash (Coal fire Boiler) | 239.6 | 261.08 | | | | (g/Anriun |
| Flexi Bags | 1561 | 1758 | | | | Vos./Y |
| Filter Elements | 00 | 0 | | | | Vos./Y |
| Wooden Scrap | 11480 | 11931 | | | , | (g/Annun |
| 2) From Pollution Control Facilities | | | | | *** | 7761 |
| Non Hazardous Waste Type NA | Total During Previous Financial 00 | year Total i | During Curr | ent Financ | iai year | MT/A |
| 3) Quantity Recycled or Re-utilized (| vithin the | | | | | |
| unit Waste Type | Total During Previ | ous Financial | Total Durin year | g Current | Financia | I UON |
| | 00 | | 00 | | | MT |

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 Cor | ncentration of Hazardous Waste |
|---|-----------------------------|------------------------------|------------------------|--|
| 35.1 Exhaust Air or Gas cleaning residu | e | 65.81 | MT/A 100 | % Handover to MWML |
| 5.1 Used or spent oil | | 1.71 | MT/A 100 | % Handover to Authorized Agency |
| 1.6 Spent catalyst and molecular siever | | 0.61 | MT/A 100 | % Handover to MWML |
| 35.3 Chemical sludge from waste water | treatment | 68.29 | MT/A 100 | % Handover to MWML |
| 33.1 Empty barrels/containers/liners co chemicals /wastes | ntaminated with hazardous | 16.62 | MT/A 100 | % Handover to MWML |
| 5.2 Wastes or residues containing oil | | 0 | MT/A 100 | % Handover to MWML |
| 32.2 Corrosive wastes arising from use | of strong acid and bases | 0 | MT/A 100 | % Handover to MWML |
| 2) Solid Waste Type of Solid Waste Generated Waste Paper/Paper Bags | Qty of Solid Waste 23500 | | UOM Kg/Annun | Concentration of Solid Waste n 100% Sale to authorized party |
| Corrugated Box | 00 | | Kg/Annun | n 100% Sale to authorized party |
| Broken Glass/Non-contaminated Plastic | 1130 | | Kg/Annun | n 100% Sale to authorized party |
| Used Contaminated drums | 3269 | | Nos./Y | 100% Sale to authorized party |
| Plastic/HDPE Decontaminated Bags | 23940 | | Nos./Y | 100% Sale to authorized party |
| | | | | |

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) |
|---------------------------------|--|---|---|---|-----------------------------------|---|
| RC "fant Op_ation for ETP | 106 | 3 2. | š | 195873 | Ť | |

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

Statement

Boiler Ash (Coal Fire Boiler)

Flexi Bags

Filter Elements

Wooden Scrap

Detail of measures for Environmental Protection

Environmental Protection Measures (Lacks)

Overhead Effluent Transfer System

MEE Plant

Environmental Protection Measures (Lacks)

Efficient wastewater transfer system

Water will be recycled

380

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection Environmental Protection Measures

239.6

1561

11480

Capital Investment (Lacks)

100% Sale to authorized party

100% Sale to authorized party

100% Sale to authorized party

Kg/Annum 100% Sale to authorized party

MT/A

Nos./Y

Nos./Y

250

Any other particulars in respect of environmental protection and abatement of pollution.

Name & Designation
Mr. Seshu, Head Conversion



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-0000014561

Submitted for Year:

April 2019 to March 2020

1. Name of the generator/operator of facility

Galaxy Surfactants Ltd.

Address of the unit/facility

Galaxy Surfactants Ltd., Plot No. V-23, MIDC Taloja and Plot No. 1, Village Chal, Tal.

Panvel, Dist.Raigad PIN no:- 410208

1b. Authorization Number

Date of issue

Submitted On:

23-06-2020

Date of validity of consent

Format 1.0/BO/CAC-cell/UAN No. 0000039617/5th CAC-1811001366 dated

29/11/2018

Nov 29, 2018

Feb 28, 2020

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 PlN no:-

410208

Telephone

Fax

Email

02239215300

02227411702

avinash.shinde@galaxysurfactants.com

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

| Product Type * | Product Name * | Consented Quantity | Actual Quantity | ИОМ |
|---|--|-----------------------|--------------------|------|
| Chemical ,Petrochemical &Electrochemical | Anionic surfactsnts (on 100% AM basis) such as Fatty Alcohol sulphate, Fatty Alcohol Ether Sulphate etc. | 85680.00 | 62958 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Ethylene Oxide Condensate | 60000.00 | 37708 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Cationic Surfactants (on 100% AM basis) such as Betaine, Quaternary Ammonium Salts etc. | 18240.00 | 6129 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Sulphosuccinates | 720.00 | 0 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Surfactant blends (on 100% AM basis) such as Syndet Soap- Granules/Noodles, Sparkle series etc. | 15840.00 | 1201 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Fatty Acid Esters, Fatty alkanol amides and esterquats. | 20400.00 | 6492 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Concentrated Sulphuric Acid (By Product) | 1584.00 | 682 | MT/A |
| Chemical ,Petrochemical &Electrochemical | Sodium Sulphate 20-25 % solution ,Solids 37.5 MT/ M (By Product) | 2160.00 | 325 | MT/A |

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

| Type of hazardous waste | Wate Name | Consented Quantity | Quantity | UOM |
|--|--|-----------------------|-------------------|--------------------------------|
| 1.6 Spent catalyst and molecular sieves | Spent Catalyst | 6.00 | 0.29 | MTA |
| 5.1 Used or spent oil | Used/ Spent oil | 6.00 | 1.37 | MTA |
| 5.2 Wastes or residues containing oil | Wastes/Residues containing oil | 1.00 | 0.94 | MTA |
| 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes | Discarded containers/barrels/liners | 24.00 | 19.21 | MTA |
| 33.2 Contaminated cotton rags or other cleaning materials | Cotton Waste (Residues & Wastes) | 1.00 | 0.03 | MTA |
| 35.3 Chemical sludge from waste water treatment | Chemical sludge from waste treatment plant | 108.00 | 80.78 | MTA |
| 35.1 Exhaust Air or Gas cleaning residue | Flue gas cleaning residue | 1180.80 | 71.02 | MTA |
| 2. Quantity dispatched category wise. | | | | |
| Type of Waste | Quantity of waste | UOM | Dispatched to | Facility Name |
| 1.6 Spent catalyst and molecular sieves | 0.29 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 5.1 Used or spent oil | 1.37 | МТА | Disposal Facility | Mumbai waste management Ltd |
| 5.2 Wastes or residues containing oil | 0.94 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes | 19.21 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 33.2 Contaminated cotton rags or other cleaning materials | 0.03 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 35.3 Chemical sludge from waste water treatment | 80.78 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 35.1 Exhaust Air or Gas cleaning residue | 71.02 | MTA | Disposal Facility | Mumbai waste management Ltd |
| 3. Quantity Utilised in-house,If any | | | | |
| Type of Waste | Name of Waste | Quantity of Waste | иом | |
| | NA | 0 | KL/Anum | |
| 4. Quantity in storage at the end of the year | ar | | | |
| 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 UOM

NA KL/Anum Landfill after treatment **UOM** NA KL/Anum 5. Quantity incinerated (if applicable) иом NA KL/Anum **UOM** 6. Quantiry processed other than specified above NA KL/Anum 7. Quantity in storage at the end of the year. **UOM** 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 Units

NA India Maharashtra NA NA NA KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/CategoryQuantityUOMNANAKL/Anum

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

Name of WasteType of WasteQuantityUOMNANANAKL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of productQuantityUOMNANAKL/Anum

5. Total quantity of waste generated

Waste name/category quantity UOM
NA NA KL/Anum

6. Total quantity of waste disposed

Waste name/categoryquantityUOMNANAKL/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

Personal Details

Place Date Designation

Taloja 2020-06-23 Sr. Manager-SHE/Instrumentaion process