

**COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE**  
(Period: July 2019 – December 2019)

**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
	<b>Total</b>	<b>17052</b>

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

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



2	No additional land shall be used / acquired for any activity of the project without obtaining proper permission.	The project is implemented at existing plot. Complied.
3	For controlling fugitive natural dust, regular sprinkling of water and wind shields at appropriate distances in vulnerable areas of Plant shall be ensured.	Complied.
4	Regular monitoring of the air quality, including SPM and SO2 levels both in work zone and ambient air shall be carried out in and around the power plant and records shall be maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with Maharashtra Pollution Control Board (MPCB) and submit report accordingly to MPCB.	Complied.  Please refer enclosed Annexure A for latest work zone and ambient air quality report.
5	Necessary arrangement shall be made to adequate safety and ventilation arrangement in furnace area.	Complied.
6	Proper Housekeeping 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.



13	The overall noise levels in and around the plant shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules 1989.	The overall noise levels in and around the plant kept well within the standards. Proper noise barriers, acoustic enclosures are provided on noise generating equipment like DG Set, blowers etc. to minimize noise.
14	Green belt shall be developed and maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO / Agriculture Dept.	Green belt area of 4080 sq. mtrs. Developed. 1020 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.	Half yearly health checkup of workers are done on regular basis and the records are maintained as per Factories Act.  Complied.
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. Jumpers and sprinklers installed.  Complied.
18	The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from MPCB shall be obtained for collections / treatment / storage / disposal of hazardous waste.	We are complied with the rules and regulations with regard to handling and disposal of Hazardous Wastes in accordance with the rules and MPCB has authorized us for treatment/storage/disposal of Hazardous Waste to authorized vendors.  We have obtained membership of Mumbai Waste Management Limited (MWML) for the disposal of Wastes / Residue Containing Oil (1 MT/A), 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.



		<p>Used / Spent oil (6 MT/A), Cotton waste (Residue &amp; Waste) 1MT/A will be sold to MPCB Authorized Vendor.</p> <p>We maintain the record for hazardous waste generation &amp; disposal in Form 3 and submit the Annual return in Form 4 to MPCB.</p>
19	<p>The Company shall undertake following Waste Minimization Measures :</p> <ul style="list-style-type: none"> <li>• Metering of quantities of active ingredients to minimize waste.</li> <li>• Reuse of by-products from the process as raw materials or as raw material substitutes in other process.</li> <li>• Maximizing recoveries.</li> <li>• Use of automated transfer system to minimize spillage.</li> </ul>	<p>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.</p> <p>Use of level transmitters in storage tank and adjustment vessel to avoid spillages.</p>
20	<p>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.</p>	<p>On-site emergency management plan prepared. Regular mock drills are carried out.</p> <p>Complied.</p>
21	<p>A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.</p>	<p>Complied.</p> <p>Environment management cell is set up.</p>
22	<p>Transportation of ash will be through closed containers and all measure should be taken to prevent spilling of ash.</p>	<p>Complied.</p>
23	<p>Separate silos will be provided for collecting and storing bottom ash and fly ash.</p>	<p>We have dedicated area for collecting bottom ash from furnace &amp; we collect the fly as from Cyclone separator &amp; bag filter in drums &amp; then shifted to dedicated area.</p> <p>This area is completely isolated &amp; covered from all sides to avoid any interference.</p>
24	<p>Separate funds shall be allocated for implementation of environmental protection measures / EMP along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year wise expenditure should be reported to the MPCB and this department.</p>	<p>Zero Investment in the project. Existing EMP cost used in the project.</p>



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 <a href="http://ec.maharashtra.gov.in">http://ec.maharashtra.gov.in</a> .	Complied.
26	Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard and soft copies to the MPCB and this department on 1 <sup>st</sup> June and 1 <sup>st</sup> December of each calendar year.	Complied.
27	A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Complied. EC copy published on website of the Company.
28	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO <sub>2</sub> , NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	Complied.  Status of compliance of the stipulated EC conditions, including results of monitored data will be uploaded on 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 latest Stack Emission reports.
29	The project proponent shall also submit six monthly report on the status of compliance of the stipulated EC Conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied.
30	The environmental statement for each financial year ending 31 <sup>st</sup> 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	Complied.  Environment statement for the year 2018-19 submitted online with the MPCB website on 29.09.2019 and hard



	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.	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.	Application is being obtaining clearance from respective authorities.
3 to 27	Conditions from Environment Clearance dated 03.12.2010 are also covered in above condition nos.2-4, 9-30 of Environment Clearance dated 08.04.2015.	Please refer remarks in status of compliance of conditions in Environment Clearance dated 08.04.2015.
28	The environmental clearance is being issued without prejudice to the court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision of the Hon'ble Court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him.	Not applicable.

For Galaxy Surfactants Limited



Shamsunder Gawade  
Sr. Manager- Corporate Governance Process