

MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No: -Format 1.0/BO/AS(T)/TN-5307-14/R/GEN- 3207
Date- 19/03/2015

To,
M/s Galaxy Surfactants Ltd.,
Plot No. N-46/1 & 2, MIDC Tarapur,
Tal. & Dist. Palghar, Pin - 401 506.

Subject: Consent to Operate/RED/LSI category.

Ref.: 1. Earlier Consent to Operate granted vide Consent no. BO/JD.PAMS/EIC No.
TN-3203-11/R/CC-13 dtd. 04/02/2012 valid upto 30/09/2014.

Your application

Dated: 07/08/2014

For: Grant of Consent to Operate (140812FT0385)

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under
Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and
Authorization /renewal under Rule 5 of the Hazardous Wastes (M, H & T M) Rules
2008 is considered and the consent is hereby granted subject to the following terms
and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent is granted for a period upto 30/09/2016.
2. The capital investment of the industry is Rs. 15.58 Cr (As per C.A. Certificate submitted by industry).
3. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Ethylene Oxide Condensates	Glycerin Ethoxylate	50 MT/M
		Bandruff	
2	Specialty Chemicals/ Textile Auxiliaries	Octyl Methoxy Cinnamate (OMC)	169.15 MT/M
		Octocrylene (OCN)	
		Sodium Isethionate (SIT)	
		NK1 & NK2	
3	Recovered Sodium Acetate Solution (on 100% basis)	35	MT/M
4	Recovered Ethyl Acetate (on 100% basis)	50	MT/M
5	Recovered Acetic Acid (on 100% basis)	30	MT/M

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	10	As per Schedule -I	After applying primary treatment, sent to ETP of

				its other unit at Plot No. M-3, MIDC Tarapur for further treatment
2.	Domestic effluent	10	As per Schedule -I	100% Recycle & reuse

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	Boilers (2 Nos.)	1	As per Schedule -II
2	Thermic Fluid Heater	2	As per Schedule -II
3	DG Sets (380 KVA)	1	As per Schedule -II

6. Conditions under Hazardous Waste (M,H & TM) Rules, 2008 for treatment and disposal of hazardous waste:

- 1) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treat-ment	Disposal
1	Used/ Spent Oil	5.1	1.0	MT/A	-	Sale to MPCB Auth. Party/ CHWTSDf
2	Wastes/ residues containing oil	5.2	1.5	MT/A	-	CHWTSDf
3	Spent solvents	20.2	2.0	MT/A	-	Sale to MPCB Auth. Party/ CHWTSDf
4	Distillation residues	20.3	2.0	MT/A	-	Sale to MPCB Auth. Party/ CHWTSDf
5	Discarded containers/ barrels/ liners contaminated with haz. wastes/ chemicals	33.3	2.0	MT/A	-	Sale to MPCB Auth. Party/ CHWTSDf
6	Flue gas cleaning residue	34.1	0.1	MT/A	-	CHWTSDf
7	Spent ion exchange resin containing toxic metals	34.2	0.2	MT/A	-	CHWTSDf
8	Chemical sludge from waste water treatment	34.3	1.2	MT/A	-	CHWTSDf
9	Filter and filter cleaning material	35.1	0.2	MT/A	-	CHWTSDf
10	Spent Carbon	35.3	0.2	MT/A	-	Sale to MPCB Auth. Party/ CHWTSDf

7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. The existing pollution load shall not increase with proposed change in product-mix.
10. The applicant shall ensure that their production shall be restricted to the generation of effluent as promised by you to the TEPS-CETP by reducing total daily generation of TEPS-CETP with voluntary closure in a staggered manner so

as to restrict total generation of TEPS-CETP in a time bound manner to 25 MLD each day.

11. The applicant shall not increase the water consumption and effluent quantity prescribed in the Consent. Also, shall not make use of any other water supply from unauthorized sources like tanker and borewell etc.
12. The applicant shall operate and maintain existing ETP/APCS effectively so as to achieve Consented standards.
13. The applicant shall make provision for operation & maintenance of flow meter and online pH meter/separate energy meter to pollution control devices.
14. The applicant shall not change fuel without Consent of the Board.
15. The applicant shall properly collect, transport & regularly dispose off the hazardous waste to CHWTSDF, in compliance of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and keep proper manifest thereof.
16. The applicant shall provide lock & key arrangement for treated industrial effluent.
17. This Consent is issued based on self assessment made by you and submitted in Board's prescribed format. If any violation and/or submission of misleading information are noticed, then the Consent issued under MoEF's Product-mix Circular dtd. 14/12/2006 will stand automatically cancelled and you have to follow the procedure of EIA Notification 2006 and amendments thereof for obtaining Environmental Clearance.
18. The applicant shall furnish an irrevocable bank guarantee of Rs. 5.0 Lakh in the Regional Office, Thane with the validity upto 31/01/2017 towards O&M of pollution Control Systems & towards compliance of Consent conditions.

For and on behalf of the
Maharashtra Pollution Control Board

(P.K. Mirashe)
15/3/15

(P.K. Mirashe)
Assistant Secretary (Tech.)

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	Rs. 2,50,000/-	004985	01/08/2014	IDBI
2	Rs. 100/-	004986	01/08/2014	IDBI
3	Rs. 15,000/-	005002	07/08/2014	IDBI

The balance Consent fees of Rs. 1,50,000/- with the Board will be considered at the time of next renewal.

Copy to:

1. Regional Officer, M.P.C.B., Thane.
- He is instructed to ensure the compliance of the consent conditions.
2. Sub-Regional Officer-Tarapur-I, M.P.C.B., Thane.
3. Chief Accounts Officer, MPCB, Mumbai.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity 10 CMD consisting of primary level treatment for the treatment of industrial effluent. After applying primary treatment, treated effluent shall be sent through tanker to its other Unit located at Plot No. M-3 for further treatment & disposal.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr. No.	Parameters	Standards prescribed by Board (If any)
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
01	pH	5.5 to 9.0
02	Oil & Grease	10 mg/l.
03	BOD (3 days 27oC)	30 mg/l.
04	Total Dissolved Solids	2100 mg/l.
	II Additional Parameters	
05	Suspended Solids	100 mg/l.
06	COD	250 mg/l.
07	Chloride	600 mg/l.
08	Sulphate	1000 mg/l.
09	% Sodium	60% mg/l.
10	Free Ammonia	05 mg/l.

C] After treatment in ETP at Plot No. M-3, MIDC Tarapur, 66.5 CMD [Maximum total of four units at N-46 (10 CMD), Plot No. G-59 (15 CMD), Plot No. M-3 & Plot No. W-67 (1.5 CMD)] of treated effluent shall be discharged into CETP for further treatment. In no case effluent shall find its way for outside factory premises.

D] In case, if the analysis results of treated effluent exceeds the Consented limits, all four units at Plot No. M-3, N-46, G-59 & W-67 will be held equally responsible.

2) A] As per your consent application, you have provided the septic tank followed by soak pit for the treatment of sewage. Overflow, if any shall be applied on land for gardening purpose within premise.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

- | | | | | |
|-----|-------------------|---------------|-----|-------|
| (1) | Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) | BOD 3 days 27oC. | Not to exceed | 100 | mg/l. |

C] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at Sr. No. (1) (B) & (C) of schedule-I shall be applicable.

3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and/or extension or addition thereto.

- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water Cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	21.5
2.	Domestic purpose	12.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	36.5
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others	---
	i) Gardening	10.0

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

Schedule-II

Terms & conditions for compliance of Air Pollution Control:

- As per your application, you have proposed to install/ provided the Air pollution control (APC) system and also proposed to erect / erected following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Qty.& UoM	S %	SO ₂ Kg/Day
1	D.G. Set (380 KVA)	--	3.5(above the roof)	HSD	50 Ltrs/Hr	10.5	21
2	Boiler-I (400 Kg/Hr)	--	14	LDO	2.0 MT/ day	36	72
3	Boiler-II (1,250 Kg/Hr)	--					
4	Thermic Fluid Heater (6.0 Lac Kcal)						
5	Thermic Fluid Heater (4.0 Lac Kcal)	--					

- The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.
- The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm ³ .
SO ₂ (Boiler)	Not to exceed	72 Kg/day
SO ₂ (Process)	Not to exceed	50 ppm
Acid Mist/HCl	Not to exceed	35 mg/Nm ³ .

- The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

Schedule-III

Details of Bank Guarantees in force

Sr. No	BG Imposed for C to O/ Directions	Amt. of BG Imposed	Submission Period	Purpose of BG	Compliance period	Validity Date
1	C to O	Rs. 5.0 lakhs	Within 15 days	Towards O&M of pollution Control Systems & towards compliance of Consent conditions	With the immediate effect	Upto 31/01/2017

The applicant shall furnish an irrevocable bank guarantee of Rs. 5.0 Lakh in the Regional Office, Thane with the validity upto 31/01/2017 towards O&M of pollution Control Systems & towards compliance of Consent conditions

Schedule-IV

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) If the MIDC pipeline is broken/ overflowing chamber, in such cases industry shall not discharge their treated effluent into MIDC drain, it shall be sent to CETP by tanker.
- 3) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 4) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 6) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
- 7) The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 8) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- 12) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 13) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 14) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.-
- 15) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 16) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control

system. A register showing consumption of chemicals used for treatment shall be maintained.

17) Conditions for D.G. Set

- a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
 - c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 18) The industry should not cause any nuisance in surrounding area.
- 19) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- 20) The applicant shall maintain good housekeeping.
- 21) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- 22) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
- 23) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 24) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
- 25) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 28) **The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW(M,H & TM) Rules 2008, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose in order to reduce load on incineration and landfill site/ environment.**