

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 240-022
Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E),
Mumbai-400 022.

Red/L.S.I

Date: 07/05/2013

Consent No: BO/AST/RO-KN/EIC No KN-6373-12/Amnd/CC- 2008

Consent to Operate 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 of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

CONSENT is hereby granted to

M/s. Jubilant Life Sciences Ltd.
Plot No. N- 34, MIDC Addl. Ambernath,
Dist. Thane-421506

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M&H) Rules and amendments thereof subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to 31/05/2016.

2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity
1	2-Chloro Pyridine	2040 MT/A.
2	2,6-dichloropyridine and other Pyridine intermediates	1200 MT/A.
3	2,3,5,6 Tetra Chloropyridine (SYMTET)	664 MT/A.
4	2-Bromopyridine	100 MT/A.

3. CONDITIONS UNDER WATER ACT:

- The daily quantity of trade effluent from the factory shall not exceed 71,000 m³.
- The daily quantity of sewage effluent from the factory shall not exceed 25,000 m³.

(iii) Trade Effluent :

Treatment: The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

1	pH	Between	5.5 to 9.6
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l
4	BOD 3 Days 27 oC	Not to exceed	100 mg/l
5	COD	Not to exceed	250 mg/l
6	TDS	Not to exceed	1000 mg/l
7	Total Ammonical Nitrogen	Not to exceed	50 mg/l

(iv) **Trade Effluent Disposal:** The treated trade effluent shall be recycled or reuse to the maximum extent and remaining shall be discharged to CETP. In no case effluent shall find its way outside the factory premises or in local nallah.

(v) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1)	Suspended Solids	Not to exceed	100 mg/l
(2)	BOD 3 days 27o C.	Not to exceed	100 mg/l

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in soak pit, which shall be got cleaned periodically. Overflow, if any, shall be disposed on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	Disposal
1	Ash	18050 kg/day.	Sale to Brick Manufacturers
2	Paper Waste	10 kg/day	Sale
3	Packing waste	15 kg/day.	Sale

(viii) **Other Conditions:** Industry should monitor effluent quality regularly.

4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under

The daily water consumption for the following categories is as under:

(i) Domestic purpose	...	30.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	76.50 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	100.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	145.50 CMD
(v) Agriculture /Gardening	...	25.00 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

5. **CONDITIONS UNDER AIR ACT :**

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with regard to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants in the following standards:

a. Control Equipment:

- 1) Scrubber of sufficient capacity should be provided to the process emissions.

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 their average.
- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises to respect noise level less than 55 dB(A) during day time and 45 dB(A) during night time. Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.
- d. 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.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. 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
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

Standards for Stack Emissions:

1	SPM/TPM	Not to exceed	150	mg/Nm ³
2	SO ₂ (Boiler)	Not to exceed	762.91	Kg/day
3	Acid Mist	Not to exceed	3	mg/Nm ³
4	Cl ₂	Not to exceed	1	mg/Nm ³
5	HCl	Not to exceed	3	mg/Nm ³

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Briquettes OR	2327	Kg/hr.
	Coal OR	1530	Kg/hr.
	F.O.	342	Kg/hr.
2	HSD	60	Lit/hr.

- (ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Boiler (2 Nos)	30
2	Oil Heating unit	33
3	Scrubber 5 Nos.	11 each
4	D.G. (3 Nos.)	3.40 *

- (iii) 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.
- (iv) 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 65 dB(A) during night time. Day time is reckoned between 6 a.m. and 6 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions and ambient air quality Regularly.

6. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:

- (i) The Industry shall handle hazardous wastes as specified below

Sr. No.	Category	Type Of Waste	Quantity	Disposal
1	28.1	Wastes & residues	96 Kg/d.	CHWTSDF
2	34.3	Chemical sludge from Waste water treatment	35 Kg/d.	
3	34.3	Solids from MEE	7,500 Kg/day	CHWTSDF
4	28.1	Spent Hydrochloric acid	10 MT/day	Sale to Authorised dealer
5	28.1	Spent Sulphuric acid	0.6 MT/day	dealer

- (ii) Treatment: - NIL

7. Whenever due to any accident or other unforeseen act or event such emissions occur or is apprehended to occur in excess of standards laid down, such information should 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 should be stopped.

8. Industry shall comply with following additional conditions:

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance in surrounding area / inhabitants.
 - ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.
 - iii. Solid waste – 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 to dumping ground.
 - iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant 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 & conditions of this consent regarding pollution levels.
 - v. The applicant shall not change or alter 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.
 - vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes by the Board staff at the terminal or designated points and shall pay a fee for the services rendered in this behalf.
 - vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
 - viii. 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.
 - ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
 - x. The applicant shall install a separate electric 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.
 - Xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
 - xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 9.** The consent should not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.
- 10.** The industry shall also comply with the Industry specific standards notified under Environment Protection Act.
- 11.** This Board reserves the right to revoke, amend or add any conditions in this consent and the same shall be binding on the Applicant.

12. This consent is issued with an overriding effect to the earlier consent issued by the Board vide No. BO/AS(T)/RO-Kalyan/Operator/3-35/2012 dated 26.04.2012.
13. Industry has proposed product mix change within consented limits, hence the consent is issued as per MoEF circular dt. 14.12.2006 and "No increase in pollution load" certificate issued by ICT Mumbai dtd. 11/09/2012.
14. Industry shall submit Bank Guarantee of Rs. 5 lakh within 15 days to Regional Officer Kalyan, which shall be valid for one year, towards O & M of pollution control systems.
15. This Consent is issued pursuant to the decision of taken in 20th CC meeting held on 15.3.2013 of the Board.
16. The Capital investment of the industry is Rs. 29.22/Crore

(Rajeev Kumar Mittal, IAS)
Member Secretary

To,
M/s. Jubilant Life Sciences Ltd.
Plot No. N- 34, MIDC Addl. Ambernath,
Dist. Thane-421506

Copy to: 1) Regional Officer, MPCB, Kalyan & 2) Sub-Regional Officer, MPCB, Kalyan-II- They are directed to ensure the compliance of consent conditions.
3) Chief Accounts Officer, MPCB, Mumbai 4] Cess Branch, MPCB, 5] Master file

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	75100	003827	10 Sep 2012	Axis Bank
2	75000	003826	10 Sep 2012	Axis Bank