


MAHARASHTRA POLLUTION CONTROL BOARD

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Red/ LSI

Date: 21/9/12

Consent No. BO/JD-PAMS/RO-KN/EIC No KN6240-12-12/E/CC- 592

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) Rules 2008.

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

CONSENT is hereby granted to,

M/s. Sai Fertilizers & Phosphates (P) Ltd,
Plot No. N-45, MIDC Additional Ambernath,
Dist. Thane

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 thereto 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 Establish is granted for a period up to -upto Commissioning of the unit OR Five years which ever is earlier.
2. The Consent is valid for the manufacture of -

Sr.No.	Products	Quantity (MT)/M
1	Liner Alkyl Benzene Sulphonic Acid	2400
2	Sodium Lauryl Ether Sulphate	591
3	Alfa Olefin Sulphate	912
4	Sodium Sulphate/Sulphite(By Product)	427

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be Nil(the industry shall recycle the total effluent in the process)
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 4.00 m³.
- (iii) **Trade Effluent Disposal:** The treated trade effluent shall be recycled/ reused to the maximum in the process. There shall not be any discharge outside the premises.
- (iv) **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 27 Deg. C.	Not to exceed	100	mg/l.
- (v) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.
- (vii) **Non-Hazardous Solid Wastes : NIL**

(viii) **Other conditions:** The industry should monitor effluent quality regularly from MoEF approved laboratory / not carry out any equipments / floor washing activity leading to trade effluent generation.

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 Rules there under:

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

i	Domestic	5.00	CMD
ii	Industrial Processing	00.00	CMD
iii	Industrial Cooling / Boiler	225.40	CMD
iv	Agriculture/Gardening	----	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 reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

Control Equipment: 1] Scrubber of adequate capacity should be provided to limit ammonia emissions or any other emissions and operate properly.
2] Dust collector of sufficient capacity shall be provided to limit the emissions.

Conditions for D.G. Set :

- Noise from D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 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 provide. The measurement of insertion loss will be done at different points at 0.5 metres from acoustic enclosure/room and the average.
- The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during the 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.
- Industry should make efforts to bring down noise level due to D.G. set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- Installation of D.G. set must be strictly in compliance with recommendations of D.G. set manufacturer.
- A proper routine and preventive maintenance procedure for D.G. set should be set and followed in consultation with the D.G. manufacturer which would help to prevent noise levels of D.G. set from deteriorating with use.
- D.G. set shall be operated only in case of power failure.
- The applicant should not cause any nuisance in the surrounding area due to operation of D.G. set.

Standards for Emissions of Air Pollutants:

1	SPM/TPM	Not to exceed	150 mg/Nm ³
2	SO ₂	Not to exceed	360 Kg/Day
3	NH ₃	Not to exceed	50 ppm.
4	Acid Mist	Not to exceed	35 Kg/day.

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

Sr	Fuel Type	Quantity
1	Diesel	210.0 Lit/d.
2	Coal	6.0 MT/d.

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

Sr.	Chimney attached to	Height in mt.
1	Boilers	30
3	D. G. Set (1250 KVA each)	10 each

(iv) The applicant shall provide ports in the chimney/(s) and facilitates 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.

(v) The industry shall take adequate measures for control for 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 p.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 from MoEF approved laboratory.

6. **CONDITIONS UNDER HW (M, H &TM) RULES, 2008**

The applicant shall handle hazardous wastes as specified below:


Sr. No.	Item No (Sch-I)	Type of Waste	Quantity	Disposal
1	34.3	Chemical Sludge from waste water treatment.	0.66 MT/A.	CHWTSDF

7. Whenever due to any accident or release of gases 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 and the production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emissions and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organizations as require under the law.

8. **General conditions:**

- (i) 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, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. 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.
- (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th September every year.

- (v) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- (vii) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) 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.
- (ix) The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
09. 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. The industry shall obtain Environment Clearance as per the EIA notification 2006.
12. This Consent is issued pursuant to the decision of 8th CC meeting of 2012 held on 17.09.2012 of the Board. It was decided to that consent shall be issued after receipt of verification report from RO-Kalyan about the location of the in the vicinity of Chikoli dam where establishment of new industries is restricted.
13. This is issued as per the report of SRO Kalyan-II received by E-mail dtd-20/09/2012 stating that the industry is located at plot No-N-45 which about 300 to 400 meter away from Chikoli dam and there is hill in between dam & M/s. Sai fertilizers. So there is no chance of entering the effluent generated from Sai Fertilizer into the dam.
14. The capital investment for expansion is Rs 25.86 Crore.


(V.B.Waghjale)
Member Secretary

To:
M/s. Sai Fertilizers & Phosphates (P) Ltd,
Plot No. N-45, MIDC Additional Ambernath,
Dist. Thane.

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

Received Consent fee of -

<u>Amount</u>	<u>D.D.No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs.75100/-	903039	13/03/2012	S.B.I