

MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3rd Floor,
Sion-Matunga Scheme Road No.8,
Opp. Sion Circle, Sion (East)
Mumbai-400 022.

Red/LSI

Consent No. BO/AS(T)/EIC No. MU-3862-12/R/CAC- 824 Date: 08/02/2013.

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 Magus Estates & Hotels Ltd.,
C.S. No. 114, Dr. E. Moses Road,
Worli, Mumbai-400 018.

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 Operate is granted for a period upto 31.01.2016.
2. The Consent is valid for activities of -

Sr.No.	Product	Qty
1	Hotel Activities (5 Star Category)	202 Rooms

3. **CONDITIONS UNDER WATER (Prevention & Control of Pollution) ACT, 1974:**

- (i) The daily quantity of trade effluent from the factory shall not exceed 70.0 m³/day.
- (ii) The quantity of sewage effluent from the premise shall not exceed 155.0 m³/day.
- (iii) **Trade Effluent Treatment & Disposal:** The applicant shall apply primary treatment to the trade effluent generated from laundry activity and thereafter mix it with the domestic effluent for further treatment into sewage treatment plant.
The hotel authorities shall opt for environment friendly technologies like ozonization, UV treatment etc. by replacing chlorination for swimming pool water.

- (iv) **Sewage & Trade 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)	pH	Between	5.5 to 9.0.
(2)	Suspended Solids	Not to exceed	100 mg/l.
(3)	BOD 3 days 27 Deg. C.	Not to exceed	100 mg/l.
(4)	COD	Not to exceed	250 mg/l.
(5)	Oil & Grease	Not to exceed	10 mg/l.
(6)	Detergent	Not to exceed	2.0 mg/l.
(7)	Residual Chlorine	Not to exceed	1.0 mg/l.

- (v) **Sewage & Trade Effluent Disposal:** The treated effluent shall be recycled to the maximum extent and used for secondary purposes such as toilet flushing, fire fighting, gardening etc. and remaining if any shall be discharged into sewerline provided by MCGM. In no case, the treated effluent shall find its way into nearby river/nalla.

Hotel Authority shall comply with the provisions of MoEF's Notification G.S.R. 794(E) dtd. 4/11/2009.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
1. Non-biodegradable Waste	} 2T/day	--	By Sale
2. Biodegradable Waste		Composting	Used as manure
3. STP Sludge		--	Used as manure

- (vii) **Other Conditions:** The firm shall 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 thereunder:

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

(i) Domestic	275.0	CMD
(ii) Industrial (Laundry/Swimming Pool)	30.0	CMD
(iii) Industrial Cooling/Boiler/DM Plant	170.0	CMD
(iv) Gardening	0.0	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 (Prevention & Control of Pollution) ACT, 1981:**

- (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: The firm shall provide the following equipments to control air pollution at building :-

- The air conditioner shall be vibration proof and noise level shall not exceed 68 dBA.
- The kitchen shall be provided with Exhaust System with Oil catcher connected to chimney through ducting.

Conditions for DG Sets: -

- Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
- Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
- The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
- Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
- A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.

6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

(ii) **Standards for Emissions of Air Pollutants:**

- | | | | |
|------|-----------------|---------------|------------------------|
| (i) | SPM/TPM | Not to exceed | 150 mg/Nm ³ |
| (ii) | SO ₂ | Not to exceed | 16.8 Kg/day |

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	960 Ltrs./day.
2.	PNG	800 Nm ³ /hr.

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

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs</u>
1.	D.G. Sets (1,425 KVA -2 Nos.)	7.6 mtrs. above roof of the buildings
2.	Boiler	30 mtrs.

- (v) 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.

- (vi) 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.

(vii) **Other Conditions:**

- 1) The firm shall not cause any nuisance in surrounding area.

6. **CONDITIONS UNDER HW (M&H) RULES, 1989 & AMENDMENT RULES, 2003:**

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

Sr. No.	Item No. Of process substance generating HW as per Schedule-I/II	Type of waste	Quantity	Disposal
1	5.1	Used / Waste Oil	120 Ltrs./yr	By sale to authorized reprocessor / recycler
2	33.3	Drums/Barrels	10-12 Nos./yr	By sale to authorized reprocessor / recycler

7. 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.

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 the 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 level.
- (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 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 alongwith Environmental statement.
- (vi) Separate drainage system shall be provided for collection of sewage effluents. 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 Hotel.
- (vii) The applicant shall provide facility for collection of environmental samples and samples of sewage effluents and air emissions 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 firm shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the Hotel premises.
- (ix) The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.

9. This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.

10. The Hotel authorities shall not carry out expansion of the Hotel without prior permission of the Board.

11. This consent should not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
12. This Consent is issued pursuant to the decision of Consent Committee meeting held on 31.01.2013. ^{Appraisal}
13. The capital investment of the Hotel Phase-I building is Rs. 315.46 Crores.

To,
M/s Magus Estates & Hotels Ltd.,
114, Dr. E. Moses Road,
Worli, Mumbai-400 018.

(Rajeev Kumar Mital)
Member Secretary

Copy to:

- 1) Regional Officer (Mumbai), MPCB, Mumbai.
- 2) Sub-Regional Officer (Mumbai-I), MPCB, Mumbai.
- 3) Chief Accounts Officer, MPCB, Mumbai.

Received Consent fee of -

<u>Amount</u>	<u>DD No.</u>	<u>Date</u>	<u>Drawn on</u>
Rs. 21,28,731/-	031914	28/12/2011	Axis Bank.
Rs. 4,33,440/-	035585	24/04/2012	Axis Bank.

4) Cess Branch, MPCB.

5) Master file.