

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel : 2402 0781 / 2401 0437

Fax : 2402 4068

Visit us at :

Website : <http://mppcb.mah.nic.in>

E-mail: [Red/CSJcb@vsnl.net](mailto:Red/CSJcb@vsnl.net)



Kalpataru Point,  
2nd , 3rd & 4th floor,  
Opp. Cineplanet,  
Near Sion Circle, Sion (E),  
Mumbai - 400 022.

Consent No. BO/RO-Mumbai/AST/EIC-MU-3028-11/R/CC-CA-473

Date: 22/06/2012

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.The Leela Kempinski**  
(Hotel Leela Venture Ltd.)  
Plot No.1407(PT),1405(PT),1404(PT)  
Sahar,Andheri(E)Mumbai-400059

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 up to 31.08.2016.

2. The Consent is valid for -

<u>Sr.No.</u>	<u>Product</u>	<u>Maximum Quantity</u>
1.	Hotel Activity- Rooms (Lodging & Boarding, Restaurants, Swimming pool, Laundry activity etc)	395 nos.

3. CONDITIONS UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974:

(i) The daily quantity of trade effluent shall not exceed 132 M<sup>3</sup>.

(ii) The daily quantity of sewage effluent from the factory shall not exceed 196 M<sup>3</sup>.

(iii) Trade and Sewage Effluent : 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 treated effluent to the following standards as per MoEF Notification dtd. 04.11.2009:

Sr. No.	Parameters		Limit
1.	pH	Between	5.5 to 9.0
2.	Total Suspended Solids	Not to exceed	100 mg/l.
3.	BOD (3 days 27 <sup>o</sup> C)	Not to exceed	100 mg/l.
4.	O & G	Not to exceed	10 mg/l
5.	Phosphate as P	Not to exceed	1 mg/l
6.	Detergent	Not to exceed	2 mg/l
7.	Residual Chlorine	Not to exceed	1 mg/l
8.	COD	Not to exceed	250 mg/l

(iv) Trade and Sewage Effluent Disposal: The total treated effluent shall be 80% recycled and reused for flushing, fire fighting and cooling, air conditioning purpose and remaining shall be discharged into municipal sewer. In no case, effluent shall find its way into any water body directly/ indirectly at any time.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Kitchen Garbage	800.00	Kg/Day	...	Send to MCGM.
2	Plastic waste	40.00	Kg/Day	...	Sale to Party.
3	Paper waste	40.00	Kg/Day	...	Sale to Party.
4	General waste	70.00	Kg/Day	...	Sale to Party.
5	Food Packing waste	60.00	Kg/Day	...	Sale to Party.
6	STP Sludge	15.00	Kg/Day	...	Used as Manure

(vi) **Other conditions:**

- 1] The industry shall monitor effluent quality regularly.
  - 2] The applicant shall switch over for providing ozonization treatment system for the swimming pool water instead of using residual chlorine.
  - 3] Applicant shall provide fixtures for showers, toilet, flushing and drinking should be of flow either by use of aerators or pressure reducing devices or sensor based control.
4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 as amended in 2003 (to be referred as Cess Act) and Rules thereunder:  
The daily water consumption for the following categories is as under:
- |                                 |     |     |     |
|---------------------------------|-----|-----|-----|
| (i) Domestic                    | ... | 220 | CMD |
| (ii) Laundry/swimming pool      | ... | 140 | CMD |
| (iii) Industrial Cooling/Boiler | ... | 10  | CMD |
| (iv) Fire Frightening           | ... | --- | 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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>

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 :

A) **Control Equipment :** The necessary control equipments shall be provided to limit the air emissions.

B) **Conditions for D.G. Set :-**

- 1] Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 2] 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 metres from acoustic enclosure/room and then average.
- 3] 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 55 dB(A) during day time and 45 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.
- 4] 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.
- 5] Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 6] 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.
- 7] **D.G. Set shall be operated only in case of power failure.**
- 8] The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

C) **Standards for Emissions of Air Pollutants :**

(i)	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub>	Not to exceed	38.4 Kg/Day.

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

Sr.No.	Type of Fuel	Quantity
1.	HSD	240 lit/hr
2.	Natural Gas	2000 m <sup>3</sup> /day

- (iii) **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.	DG Set (750 KVA)(2 Nos.)	5.4* each
2.	DG Set (1250 KVA)	7.0*
3.	Boiler I & II	45 each

(\* above the height of building where the DG set is installed)

- (iv) **Other Conditions :**

- 1) The applicant should not cause any nuisance in surrounding area.
- 2) The applicant should monitor stack emissions and ambient air quality regularly.

- (vi) **Condition for Kitchen:-**

- (a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- (h) The toilet shall be provided with exhaust system connected to chimney through ducting.
- (c) The air conditioner shall be vibration proof and the noise level shall not exceed 68 dB (A).
- (d) The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

- (vii) 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.

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

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

Sl.	Item No. as per Sch-I	Type of Waste	Quantity	Disposal
1.	5.1	Used Oil	300 Lit/yr	Sent to authorised reprocessor
2.	5.2	Wastes/residue containing oil	50 kg/yr	

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 :**

1. 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.
2. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end.
3. 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.
4. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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 and conditions of this consent regarding pollution levels.
5. 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.
6. 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.
7. **The applicant shall make an application for renewal of the consent at least 60 days before the date of expiry to the consent.**

8. The firm shall submit to this office, the 30<sup>th</sup> day of September every year , the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
  9. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  10. 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.
  11. 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.
  12. 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.
  13. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
  14. 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.
9. **This is issued pursuant to the decision of Consent Appraisal Committee meeting held on 29.05.2012 of the Board.**
10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
11. **The Hotel authorities shall not carry out expansion of the Hotel without prior permission of the Board.**
12. The capital investment of the project Rs. 318.34 Crs.

  
(Milind Mhaiskar)  
Member Secretary

To,

M/s.The Leela Kempinski, (Hotel Leela Venture Ltd.)  
Plot No.1407(PT),1405(PT),1404(PT), Sahar,Andheri(E)Mumbai-400059

Copy to:

RO-Mumbai /SRO-Mumbai-II / CAO / Cess Branch / Master File

Received Consent fee of -	<u>Amount</u> Rs. 32,47,176/-	<u>D.D.No.</u> 012368	<u>Date</u> 19.10.2011	<u>Drawn on</u> IDBI Bank
---------------------------	----------------------------------	--------------------------	---------------------------	------------------------------