

# MAHARASHTRA POLLUTION CONTROL BOARD

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EIC No: TN-4749-13

Infrastructure Project/Orange/LSI

Consent No. MPCBHQ/ROHQ/Thane /CO/CC/9384

Date: 13/11/13

Consent to Operate 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

.....  
CONSENT is hereby granted to,

M/s. Kalpataru Properties (Thane) Pvt. Ltd, "Kalpataru Hills"  
, New Gut No. 59 D/4, 59D/1, 59D/3, 59D/2 & 59D/5 corresponding to Old Gut No.  
59/A/1/5, 59A/17C, 59A/1/4, 59A/1/2, 59B (pt), 59A/1/3(pt), 59A/17D(pt), of  
Vill. Chitalsar, Manpada, 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 Operate (Part) is granted for a period up to: 31/09/2015

The Consent is valid for the part of Operation of Residential Project named as M/s. Kalpataru Properties (Thane) Pvt. Ltd, "Kalpataru Hills" New Gut No. 59 D/4, 59D/1, 59D/3, 59D/2 & 59D/5 corresponding to Old Gut No. 59/A/1/5, 59A/17C, 59A/1/4, 59A/1/2, 59B (pt), 59A/1/3(pt), 59A/17D(pt), of Vill. Chitalsar, Manpada, Thane on Total Plot Area of 26,005 sq. mtrs and Total Construction BUA of 34,708.260 sq. mtrs. out of 90,408.738 sq. mtrs including utilities as per construction commencement certificate issued by local body.

## 2. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of sewage effluent from the factory shall not exceed 208.00 M3.
- (ii) **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	pH	Not to exceed	6.5 to 9.0
2	Suspended Solids	Not to exceed	100 mg/l.
3	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
4	Fecal Coliform	Not to exceed	500/100/1 mg/l.
5	Residual Chlorine	Not to exceed	01 mg/l.
6	Detergent	Not to exceed	01 mg/l.
7	Floating matters	Not to exceed	10 mg/l
8	COD	Not to exceed	250 mg/l

(iii) **Sewage Effluent Disposal:** The treated domestic effluent shall be 80% recycled and reused for flushing, fire fighting & cooling of Air conditioners and remaining shall be discharged to Municipal sewer. In no case, effluent shall find its way to any water body directly/indirectly at any time.

**Project proponent shall operate STP for five years from the date of obtaining Occupation Certificate.**

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

Sr.No	Type of Segregated solid waste	Quantity (Kg/Day)	Treatment	Disposal
1.	Wet Garbage	520	Composting	Use as Manure
2.	STP Sludge	21.00		
2.	Dry Garbage	223	..	landfill site

**3. Other Conditions: -**

- All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
- Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable;
- Near the activities that are related to water (like activity of water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
- In order to ensure that the water from this project do not enter into outside environment, the nallas crossing the township/complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulations of local body.
- The Applicant shall draw plans for the segregation of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting (i.e vermi-composting facility within premises) with the approval of local body. The proper demarked area shall be identified for collection & storage of MSW properly which, shall be finally disposed off at approved Municipal Solid Waste landfill site of local body environmentally acceptable location and method. It is clarified that the term solid waste includes domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered landfill shall be as per the Municipal Solid Waste (M&H) Rules, 2000.
- Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
- For disinfections of waste water ultra violet radiation shall be used in place of chlorination

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	...	224.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	0.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iii) Industrial Cooling, spraying	...	0.00 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 (Prevention & Control of Pollution) ACT, 1981:**

- (i) The Applicant may install of diesel generating sets (DG Sets), and shall be equipped with comprehensive control system as is warranted with reference to generations of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

**a. Standards for Emissions of Air Pollutants:**

(i) SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii) SO <sub>2</sub> (DG Set)	Not to exceed	--- Kg/day

- (ii) The following measures shall be taken:

- a. Adequate mitigation measures shall be taken to control emissions of SO<sub>2</sub>, Nox, SPM, and RSPM.  
b. Applicant shall achieve following Ambient Air Quality standards.

1.	SPM Not to Exceed (Annual Average)	140	µg/ m <sup>3</sup>
	Not to Exceed (24 hours)	200	µg/ m <sup>3</sup>
2.	SO <sub>2</sub> Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
	Not to Exceed (24 hours)	80	µg/ m <sup>3</sup>
3.	Nox Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
	Not to Exceed (24 hours)	80	µg/ m <sup>3</sup>
4.	RSPM Not to Exceed (Annual Average)	60	µg/ m <sup>3</sup>
	Not to Exceed (24 hours)	100	µg/ m <sup>3</sup>

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

Sr. No.	Type Of Fuel	Quantity
1.	Diesel	112.50 Ltrs/Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1.	D. G. Set (500KVA)	7.50 Mtrs

- (v) **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 meters 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 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.
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.

(vi) **Other Condition**

- a) 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.
- b) Water spraying shall be done on ground to avoid fugitive emissions.
- c) Construction material shall be carried in enclosed vehicles during construction activities.

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

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1.	5.1 Used Oil/Spent Oil	200	Ltr/year	CHWTSDF

7. The applicant shall adopt environment friendly technology in development of the project.
8. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.

9. Applicant shall submit the affidavit within 15 days in the prescribed format regarding the part of the built up area/building for which application for Consent to 1st operate is made and that the same is included in the Environmental Clearance accorded.
10. The applicant shall submit Bank Guarantee of Rs. 5.0 Lakhs towards operation and maintenance of STP at Regional Office, MPCB, Thane within 15-days.
11. Applicant shall comply with conditions stipulated with Environmental clearance granted by the SEAC Environment Department Govt of Maharashtra vide no: SEAC 2013/CR.26 /TC.1 dated: 17<sup>th</sup> January 2013.
12. This is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 7<sup>th</sup> November 2013.
13. The Capital investment of the Part - project is Rs. 108.69 Crores.
14. This is issued as per office note approved by the Member Secretary of the Board dated: 11/11/2013.

(Dr. Y.B. Sontakke) 12.11.13  
Regional Officer (HQ)

To,

M/s. Kalpataru Properties (Thane) Pvt. Ltd, "Kalpataru Hills"  
, New Gut No. 59 D/4, 59D/1, 59D/3, 59D/2 & 59D/5 corresponding to Old Gut No. 59/A/1/5, 59A/17C, 59A/1/4, 59A/1/2, 59B (pt), 59A/1/3(pt), 59A/17D(pt), of Vill. Chitalsar, Manpada, Thane

Copy to-

1. Regional Officer, MPCB, Thane - He is directed to obtain necessary Bank Guarantee from the applicant and ensure compliance of consent conditions
2. Sub Regional officer MPCB, Thane-I
3. Chief Accounts Officer, Mumbai, MPCB,

Received consent fee of:-

Sr. No.	Amount	DD. No.	Date	Drawn On
1.	2,17,488.00	009563	26/08/2013	ICICI Bank

4. Cess Branch, MPCB, Mumbai.

5. Master file.