

MAHARASHTRA POLLUTION CONTROL BOARD

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MU-4500-13

Infrastructure/Orange/L.S.I

Consent No.BO/RO(HQ)/ Mumbai/CO/CC- 1866

Date: 01/03/13

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&T) Rules respectively].

CONSENT is hereby granted to,

**M/s. Mumbai Housing & Area Development Board (MHADA),
S.No.263, CTS No.6A/6 of Village,
Malvani, Malad(W), Mumbai.**

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M,H&T) 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 **31/01/2015**.
2. The Consent is valid for development of land /lot as new construction Activity for construction of Mass Housing Project with "EWS" Type Tenements named as **M/s. Mumbai Housing & Area Development Board (MHADA)**, S.No.263, CTS No.6A/6 of Village, Malvani, Malad(W),Mumbai, Maharashtra for **Total Plot area of 1,15,000 sq mtrs, Permissible BUA [As per FSI] of 2,29,874Sq.mtrs, Praposed BUA of 1,11,569 Sq.mtrs** including utilities for Mass Housing Project with "EWS" Type Tenements as per Construction commencement Certificate issued by local body.

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be NIL.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed **850.00M³**.
- (iii) **Sewage Effluent Treatment:**

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 the treated effluent to the following standards achieve the quality of the 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 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	01mg/l.
6	Detergent	Not to exceed	01mg/l
7	Floating Matter	Not to exceed	10 mg/l

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

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

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

Sr. No.	Type Of Waste	Quantit	UOM	Treatment	Disposal
1.	Dry Garbage	1.78	MT/Day	MCGM	
2.	Wet Garbage	2.65	MT/Day	Vermicomposting	
3.	STP Sludge	0.06	Kg/Day	Used as manure	

4. 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;
 - 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.
 - Preferably for disinfections of waste water ultra violet radiation shall be used in place of chlorination.
- 5. 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	...	1676.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	534.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) 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.

6. CONDITIONS UNDER AIR ACT :

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:

(i) Standards for Emissions of Air Pollutants:

(i) SPM/TPM	Not to exceed	150 mg/Nm ³
(ii) SO ₂ (DG Set)	Not to exceed	10 Kg/day

(ii) The following measures shall be taken:

- Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, and RSPM.
- Applicant shall achieve following Ambient Air Quality standards.

1.	SPM	Not to Exceed (Annual Average)	140	µg/ m ³
		Not to exceed (24 hours)	200	µg/ m ³
2.	SO ₂	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	80	µg/ m ³
3.	NO _x	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to exceed (24 hours)	80	µg/ m ³
4.	RSPM	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	100	µg/ m ³

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	500	Litrs/Hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set (160 KVA X10)	3.0

(v) Conditions for D.G. Set

- Noise from the 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 provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then 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 DG set, outside industrial premises, within ambient noise requirements by proper siting 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 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.

(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.
- (vii) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Daytime is reckoned as between 6 a.m. to 10 p.m. and Nighttime is reckoned between 10 p.m. to 6 a.m.
- (viii) Construction equipments generating noise of less than 65/90 db(A) are permitted.
- (ix) No construction work is permitted during night time.

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

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
			NIL	

8. The applicant shall adopt environment friendly technology in development of the project.
9. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
10. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
11. The applicant shall submit a Bank Guarantee of Rs.5,00,000/- at Regional Officer, Mumbai within 15 days for Operation and maintenance of Sewage Treatment Plant and Municipal Solid Waste Processing Plant.
12. The applicant shall comply with the conditions stipulated in Environment Clearance Granted by GOM, vide no: SEAC-2010/CR.232/TC.2 dated 29th November,2011.
13. This is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 15th February,2013.
14. **The Capital investment of the Project is Rs.131.41 Cr.**


 (Rajeev Kumar Mittal)
 Member Secretary

To,
 M/s. Mumbai Housing & Area Development Board (MHADA)
 S.No.263, CTS No.6A/6 of Village Malvani,
 Malad(W), Mumbai.

Copy to:

1. Regional Officer, MPCB, Mumbai - He is directed to obtain Necessary Bank Guarantee from the applicant and ensure compliance of consent conditions
2. Sub Regional officer, MPCB, Mumbai-IV
3. Chief Accounts Officer, Mumbai, MPCB / CAO/Cess Branch/Master File

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2,62,920/-	894164	4 th January 2013	Bank of Maharashtra