

# MAHARASHATRA POLLUTION CONTROL BOARD

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EIC/MU-2852/11

Infrastructure/Orange/L.S.I

Consent No. BO/RO(HQ)/CO/CAC- 312

Date 21/Feb/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

.....  
CONSENT is hereby granted to

M/s Macrotech Construction Pvt. Ltd  
Lodha Pavilion Apollo Mills Compound  
N.M.Joshi Marge Mahalaxmi, Mumbai - 400011

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 30/11/2012
2. The Consent is valid for -

Residential and IT Park of M/s Macrotech Construction Pvt. Ltd at Lodha Pavilion Apollo Mills Compound N.M. Joshi Marg Mahalaxmi, Mumbai - 400011, on total plot area of 37,006.39 Sq mtrs and total Built up area as per FSI 73541.75 Sq mtrs and total construction BUA is 213270.77 Sq mtrs including services and utilities as per occupation certificate issued by local body.

| Sr. No. | Product Name           | Built Up area | Total Construction area | UOM       |
|---------|------------------------|---------------|-------------------------|-----------|
| 1       | Excelus IT park        | 28833.71      | 72835.00                | Sq. mtrs. |
| 2       | Belissimo Wing A and B | 29025.39      | 90443.15                | Sq. mtrs. |
| 3       | Belissimo Wing C       | 15682.65      | 49992.62                | Sq. mtrs. |

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall Nil.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 453.00M<sup>3</sup>.
- (iii) **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      |
| 3 | Suspended Solids       | Not to exceed | 100 mg/l.       |
| 4 | BOD 3 Days 27 degree C | Not to exceed | 100 mg/l.       |
| 5 | Fecal Coliform         | Not to exceed | 500/100/1 mg/l. |
| 6 | Residual Chlorine      | Not to exceed | 01 mg/l.        |
| 7 | Detergent              | Not to exceed | 01 mg/l.        |
| 8 | Floating matters       | Not to exceed | 10 mg/l         |

- (vi) **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 any water body directly/indirectly at any time.

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

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

| Sr. No. | Type Of Waste     | Quantity | UOM    | Treatment  | Disposal         |
|---------|-------------------|----------|--------|------------|------------------|
| 1       | Compostable waste | 1756.00  | Kg/Day | composting | used as manure   |
| 2       | Recyclable waste  | 474.00   | Kg/Day | --         | reuse / recycle  |
| 3       | Inert waste       | 557.00   | Kg/Day | --         | landfill at MCGM |
| 4       | STP sludge        | 90.00    | kg/M   | --         | used as manure   |

- (viii) **Other Conditions:**

1. 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.
2. There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
3. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable.
4. 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.
5. 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.
6. The Applicant shall segregate solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting (e.g. 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
7. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
8. The applicant-generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M & H) Rules has to obtain a separate Authorization from Maharashtra Pollution Control Board.
9. For disinfections of waste water ultra violet radiation shall be used in place of chlorination.

10. E-Waste shall be disposed to authorized reprocessor.

**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   | ... | 595.00 CMD |
| (ii) Water gets Polluted &<br>Pollutants are Biodegradable...          |     | 0.00 CMD   |
| (iii) Water gets Polluted, Pollutants<br>are not Biodegradable & Toxic | ... | 0.00 CMD   |
| (iv) Industrial Cooling, spraying                                      | ... | 0.00CMD    |

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 4 no. of diesel generating sets (DG Sets), of capacity 2000 KVA (2 Nos.) and 1000 KVA (2 Nos.) 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 | 8.0 Kg/day             |

- (ii) The following measures shall be taken:

- Adequate mitigation measures shall be taken to control emissions of SO<sub>2</sub>, NO<sub>x</sub>, SPM, and RSPM.
- 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. | NO <sub>x</sub> | 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 | UOM |
|---------|--------------|----------|-----|
| 1       | Diesel       | 400.00   | MT  |

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

| Sr. No. | Chimney Attached To | Height in Mtrs. |
|---------|---------------------|-----------------|
| 1       | D.G. Set            | 10.00           |

- (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.

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.

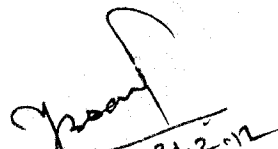
**(vi) Other Condition**

- 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.
- (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 nighttime.

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

- (i) The Industry shall not generate any hazardous wastes.
7. The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented.
  8. The applicant shall comply with the conditions stipulated in the Environmental Clearance granted by Env. Dept. Govt. Of Maharashtra, vide No.SEAC-2010/CR.291/TC.2 dt. 19/01/2011.
  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 firm shall obtain separate consent to establish and operate for the parking lot.
12. The applicant shall submit a Bank Guarantee of Rs.10,00,000/- (Rupees five lacs only) for operation and maintenance of municipal solid waste treatment plant, sewage treatment plant and achieve 80% recycling of the treated effluent
13. This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 14<sup>th</sup> February 2012.
14. This consent to operate is issued with the overriding effect to the earlier consent to operate issued vide No. BO/RO(HQ)/CO/CAC-99 dt.23/12/2011
15. The Capital investment of the project is Rs. 36257 Lacs

  
 21.2.12  
**DR. Y.B. Sontakke**  
 Regional officer(HQ)  
 I/c HSMD

To,  
**M/s Macrotech Construction Pvt. Ltd**  
 Lodha Pavilion Apollo Mills Compound  
 N.M.Joshi Marge Mahalaxmi, Mumbai - 400011

**Copy to:**

- a. ROMumbai- /SRO-Mumbai\_1
- b. CAO/Cess Branch/Master File

**Received Consent fee of –**

| Sr. No. | Amount(Rs.) | DD. No. | Date        | Drawn On                 |
|---------|-------------|---------|-------------|--------------------------|
| 1       | 362570      | 149093  | 26 Aug 2011 | Kotak Mahindra Bank Ltd. |
| 2       | 362670      | 149754  | 24 Oct 2011 | Kotak Mahindra Bank Ltd. |