

# MAHARASHTRA POLLUTION CONTROL BOARD

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EIC No: PN-18503-13

Infrastructure Project/Orange/LSI

Consent No. MPCB/ROHQ/Pune /CE/CC/ 304

Date: 9/01/2014

Consent to Establish under Section 25 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. Harshvardhan Co-Op.Housing Society Ltd- Jaz ,  
Survey No. 17, Pimple Nilakh,  
Pune,- 411027 Dist : Pune**

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 Establish is valid up to Commissioning of the Project or 5 years whichever is earlier.

For development of land/ plot as new construction activities for construction of Residential Project named as M/s. Harshvardhan Co-Op.Housing Society Ltd- Jaz .Survey No. 17, Pimple Nilakh,Pune,- 411027 Dist : Pune on Total Plot Area of 25.800 Sq.mtrs and Total Construction BUA of 49.282.54 Sq.mtr including utilities as per construction commencement certificate issued by local body.

2. CONDITIONS UNDER WATER ACT:

(i) The quantity of sewage effluent from construction project shall not exceed 213 ML

(ii) Sewage treatment treatment plant having capacity of 213 ML shall be provided

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 and gardening 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.

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

Sr. No	Type of Segregated solid waste	Quantity Kg/D	Treatment	Disposal
1.	Bio --Degradable Waste	420.80	Treated in Organic Waste Converter	Use as Manure
2.	Non- Bio --Degradable Waste	257.10	..	Send to Authorized party.

3. **Other Conditions (during Construction Phase):**

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. This Consent to Establish is issued only for New Construction/Developing Construction Project purposes.
3. No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local residential housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
4. There shall be no felling of trees whether on Forest Government, Revenue or Private lands except as per prevailing Rules.
5. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable.
6. Near the activities that are related to water (like retreats, water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
7. In order to ensure that this project does not harm the local environment, the following conditions shall be observed during the construction and operation and maintenance of the project:
  - a. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - b. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - c. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - d. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
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  - v. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - w. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - x. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - y. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.
  - z. The project shall be constructed in accordance with the approved layout plan and shall not be expanded beyond the boundaries of the layout plan.

9. Applicant shall provide fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
  10. 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
  11. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
  12. 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.
  13. For disinfections of waste water ultra violet radiation shall be used in place of chlorination.
  14. Vehicles hired for construction activities should be operated only during non peak hours.
  15. Ready mixed concrete used in building construction should apply separately for consent from the Board.
  16. Applicant, during the construction stage shall provide
    - a. Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
    - b. Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
    - c. Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
    - d. Green belt of 33% of the open space shall be developed.
  17. E-Waste shall be disposed to authorized re processor.
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	245 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	... CMD
(iii) Water gets Polluted, Pollutants are non-Biodegradable & Toxic	... CMD
(iv) Treatment Costing more than	... CMD

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>, NO<sub>x</sub>, 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. 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
1.	Diesel	32 Liters/hrs

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

Sr. No.	Chimney Attached To	Height above the roof of building in which it is installed
1.	DG Set ( 160 KVA x2 nos )	3.5 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.

12. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
13. The applicant shall provide Environmental friendly road transportation by adopting mechanical type closed trucks for transportation of minerals & metals / construction debris with effect from 1/04/2012.
14. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.
15. The applicant shall submit Bank Guarantee of Rs. 5 Lakhs for compliance of consent conditions at Regional Office, MPCB, Pune within 15-days.
16. The applicant shall submit an affidavit within 15 days in the prescribed format regarding MSW site 500 meters and STP Plant 100 Mtrs from HFL and BG of Rs. 5 Lakh for ensuring the compliances, in compliance with local body approved plan dated: 30/11/2012, , taken in accordance with RRZ Policy 2009 and clarification minutes there of dated: 07/06/2013.
17. The applicant shall comply with the conditions stipulated in Environment Clearance granted by GOM, vide no: SEAC-2010 /CR-567/TC.2 dt. 1<sup>st</sup> Oct 2011.
18. This is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 13<sup>th</sup> December , 2013.
19. The Capital investment of the Project is Rs. 90.63 Cr.

(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
M/s. Harshvardhan Co-Op. Housing Society Ltd- Jaz .  
Survey No. 17, Pimple Nilakh,  
Pune.- 411027 Dist : Pune

Copy to-

1. Regional Officer, MPCB, Pune - He is directed to obtain necessary Bank Guarantee from the applicant and ensure compliance of consent conditions.
2. Sub-Regional officers - Pune and Chhatrapati, MPCB, Mumbai.
3. Chief Executive Officer, Maharashtra.