

MAHARASHTRA POLLUTION CONTROL BOARD

Phone :- 24010437/24020781/24014701

Fax :- 24044532 / 24023516

Email :- enquiry@mpcb.gov.in

Visit At:- <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion-
Matunga Scheme Road No. 8, Opp.
Cine Planet Cinema, Near Sion Circle,
Sion (E), Mumbai - 400 022

Infrastructure/Orange/L.S.I

Consent order No: *Format 1.0/BO/ROHQ/CE/PN-19144-13/CC-5710*

Date *14/06/2014*

To,

M/s. Vertical Infra "Oriana"

Sr. No. 7/1A + 2A + 2B,

Keshavnagar - Mundhwa

Pune, Maharashtra.

Sub : Consent to Establish in Orange category for Residential construction project.

Ref : Minutes of Consent Committee meeting held on 10/06/2014

Your application:- CE13060000383

Date: 11/06/2013

For: Consent to Establish for Construction of Residential project.

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 Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling Rule 2011 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Establish is granted for a period upto:- **Commissioning of the unit or five years, whichever is earlier.**
2. The Proposed Capital investment of the Project is **Rs 45.0 Crs.** (As per CA certificate).
3. The Consent to Establish is valid for construction of Residential project develop by **M/s Vertical Infra** named as "**Oriana**" at **Sr. No. 7/1A + 2A + 2B, Keshavnagar-Mundhwa Pune, Maharashtra.** on total plot area of **18,900.0 Sq. mtrs** and total construction area of **34,278.94 Sq. mtrs.** As per construction commencement certificate issued by local body.
4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

| Sr. no. | Description | Permitted quantity of discharge | Standards to be achieved | Disposal |
|---------|-------------------|---------------------------------|--------------------------|--|
| 1. | Trade effluent | Nil | NA | NA |
| 2. | Domestic effluent | 111.0 CMD | As per Schedule -I | 60% shall be reused & recycled and remaining shall be discharged in municipal sewer. |

5. Conditions under Air (P&CP) Act, 1981 for air emissions:

| Sr. No. | Description of stack / source | Number of Stack | Standards to be achieved |
|---------|-------------------------------|-----------------|--------------------------|
| 1. | DG sets (160 KVA) | 1 | As per Schedule -II |

M/s. Vertical Infra "Oriana" SRO Pune I/I/O/L/92146000

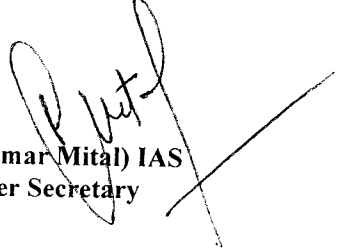
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6. Conditions under Municipal Solid Waste (Management and Handling) Rule,2000

| Sr. No. | Type Of Waste | Quantity | UOM | Treatment | Disposal |
|---------|-------------------------|----------|--------|--------------------|----------------|
| 1. | Biodegradable Waste | 250 | Kg/Day | On site Composting | Used as manure |
| 2. | Non Biodegradable Waste | 154 | Kg/Day | Segregation | By sale |
| 3. | STP Sludge | 25.0 | Kg/D | --- | Used as manure |

7. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
9. The applicant shall submit an affidavit within 15 days in the prescribed format towards not taking further effective steps prior to obtaining the Environment Clearance.
10. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
11. This consent is issued as per submission of architect certificate showing location of STP & MSW on 15/05/2014. As per RRZ policy 2009 & clarification by RRZ committee as per minutes dated 07/06/2013 along with distance certificate of Architect Hemant S. Mahajan showing location of STP & MSW plant 362.0 mtrs & 505.0 mtrs respectively from HFL of Pawana River.

For and on behalf of the
Maharashtra Pollution Control Board


(Rajeev Kumar Mital) IAS
Member Secretary

Received Consent fee of -

| Sr. No. | Amount(Rs.) | DD. No. | Date | Drawn On |
|---------|-------------|---------|------------|----------------------|
| 1 | 75,000/- | 872142 | 20/05/2013 | United bank of India |

Copy to:

1. Regional Officer, MPCB, Pune. And Sub-Regional Officer, Pune-I, they are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your consent application, you have proposed to provide the sewage treatment system with the design capacity of 115.0 CMD.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

| | | | |
|---|------------------------|---------------|------------|
| 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 | Detergent | Not to exceed | 01 mg/l. |

C] The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

| Sr. no. | Purpose for water consumed | Water consumption quantity (CMD) |
|---------|----------------------------|----------------------------------|
| 1. | Domestic purpose | 119.0 |

Schedule-II

Terms & conditions for compliance of Air & Noise Pollution Control:

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

| Sr. No. | Stack Attached To | Height in Mtrs. (Above roof top) | Type of Fuel | Quantity |
|---------|-------------------|----------------------------------|----------------|-----------|
| 1. | DG sets (160KVA) | 3.5 | HSD/ Diesel | 20 Lit/Hr |

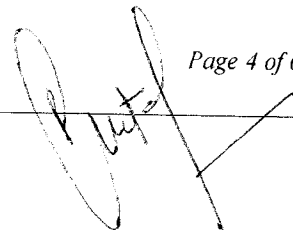
* D.G. Set shall be operate only in case of power failure.

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

| | | |
|--------------------|---------------|-----------------------------|
| Particulate matter | Not to exceed | 150.00 mg/Nm ³ . |
|--------------------|---------------|-----------------------------|

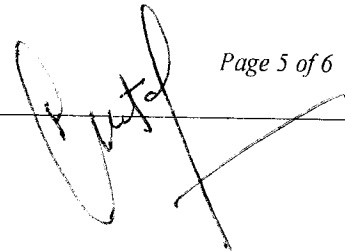
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)
5. Conditions during construction phase:-

| | |
|---|--|
| a | During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters. |
| b | During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory. |
| c | Noise generating activity shall be carried out during day time only. |



Schedule-III
Details of Bank Guarantees

| Sr. No. | Consent (C to E/O/R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|---------|----------------------|-------------------|-------------------|---|--------------------------------|---------------|
| 1 | Establish | Rs. 3.0 lakh | 15 days | Rs. 3.0 lakh for ensuring the compliance of consent conditions. | Upto Commissioning of the unit | Five years |



Schedule-IV

General Conditions:

The following general conditions shall apply as per the type of the industry.

- 1) The applicant shall provide facility for collection of samples of 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.
- 2) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling) Rule 2011.
- 3) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 4) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 5) Conditions for D.G. Set
 - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - b) 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.
 - c) 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.
 - d) 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.
 - e) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - f) 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.
 - i) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 6) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 7) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 8) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 9) The treated sewage shall be disinfected using suitable disinfection method.
- 10) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 11) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project or before occupancy.**