

MAHARASHTRA POLLUTION CONTROL BOARD

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Kalpataru Point, 2nd, 3rd & 4th Floor,

Opp. Cineplanet, Near Sion Circle,

Sion (E), Mumbai-400022.

EIC No: PN-18107-13

Infrastructure Project/Orange/LSI

Consent No. MPCBHQ/ROHQ/Pune/CR/CC/6993

Date: 22/08/2013

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

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CONSENT is hereby granted to,

M/s. Gera Realty Estates Pvt. Ltd.

“Gera’s Emerald City”

S.No.73/1 Kharadi,

Tal-Haveli, Pune, Maharashtra.

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:- 31/01/2015
2. The Consent to operate is valid for Residential Project named as, **M/s. Gera Realty Estates Pvt. Ltd. “Gera’s Emerald City” S.No.73/1 Kharadi, Tal-Haveli, Pune, Maharashtra** on total plot area of 61,000 sq. mtrs and total Built up area 75853.10 sq. mtrs including utilities for development of Residential Project & Services as per Construction commencement Certificate issued by local body.
3. **CONDITIONS UNDER WATER ACT:**
 - i. The daily quantity of sewage effluent from the factory shall not exceed:- **262.0M³/Day**.
 - 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

iii. **Sewage Effluent Disposal:** The treated domestic effluent shall be 80% recycled and reused for flushing, fire fighting and 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 Waste	Quantity	UOM	Treatment	Disposal
1	Bio degradable waste	706.0	Kg/Day	OWC	Used as manure
2	Non Bio-degradable waste	303.0	Kg/Day	Authorized recyclers	Sale
3	STP Sludge	100.0	Kg/M	---	Used as manure

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 ... 317.0 CMD
- (ii) Water gets Polluted & Pollutants are Biodegradable ... 0.00 CMD
- (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic ... 0.00 CMD
- v. 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 2 no. of diesel generating sets (DG Sets), of capacity 250.0x2 KVA 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/Nm³
- (ii) SO₂ (DG Set) . Not to exceed 25 Kg/day

(ii) The following measures shall be taken:

- a. Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, and RSPM.
- b. Applicant shall achieve following Ambient Air Quality standards.
 1. SPM Not to Exceed (Annual Average) 140 µg/ m³
Not to Exceed (24 hours) 200 µg/ m³
 2. SO₂ Not to Exceed (Annual Average) 60 µg/ m³
Not to Exceed (24 hours) 80 µg/ m³
 3. NO_x Not to Exceed (Annual Average) 60 µg/ m³
Not to Exceed (24 hours) 80 µg/ m³
 4. RSPM Not to Exceed (Annual Average) 60 µg/ m³
Not to Exceed (24 hours) 100 µg/ m³

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	82.0	Lit/Hr.

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG set 120.5KVA)	4.0 (Above roof)
2	DG set (120.5KVA)	2.0 (Above roof)

(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.

(vii) Conditions for Utilities like Kitchen, Eating Places etc:

1. The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
2. The toilet shall be provided with exhaust system connected to chimney through ducting.
3. The air conditioner shall be vibration proof and the noise shall not exceed 68 dB (A).
4. The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

(viii) 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.

(ix) Construction equipments generating noise of less than 65/90 db(A) are permitted.

(x) No construction work is permitted during nighttime.

6. Conditions under Hazardous waste (Management, handling & Transboundary movement) Rule, 2008

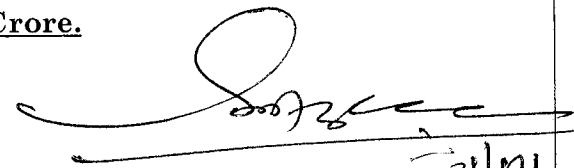
(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
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-- Nil --

7. The applicant shall adopt environment friendly technology in development of the project.
8. Energy conservation measures like installation of solar panels for lighting the area outside the building should be integrated part of the project design.
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. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
11. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deem feat necessary.

12. Applicant shall comply with the conditions stipulated in Environmental Clearance, Granted by Environment Dept. Govt. of Maharashtra vide No. F.No.21-511/2007-IA.III Dated 24 December 2007.
13. This is issued pursuant to the decision of Consent Committee of the Board in its meeting held on 2nd August 2013.
14. The applicant shall submit a Bank Guarantee of Rs.5.0Lakh at Regional Officer, Pune within 15 days for operation & maintenance of Sewage Treatment Plant & Municipal Solid Waste Processing Plant. Bank Guarantee shall be valid for period upto 31.05.2015.
15. The Capital investment of the industry is Rs. 93.0 Crore.


 (V. M. Motghare) 21/8/13
 Member Secretary

To,
 M/s. Gera Realty Estates Pvt. Ltd.
 "Gera's Emerald City"
 S.No.73/1 Kharadi,
 Tal-Haveli, Pune, Maharashtra.

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 officer Pune-II, MPCB, Pune.
3. Chief Accounts Officer, Mumbai, MPCB,
4. Cess Branch, MPCB, Mumbai. 5. Master file

Received Consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	125100/-	052835	13/03/2013	ICICI Bank