

MAHARASHTRA POLLUTION CONTROL BOARD

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Opp. Cine Planet Cinema,
Near Sion Circle, Sion (E),
Mumbai-400 022.

Orange/L.S.I

Consent No:BO/MPCB/PN-14278-12/RO(HQ)/E/CC-3087

Date: 30/11/2013

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 under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008, as amended to date.

[To be referred as Water Act, Air Act and HW (M,H & TM) Rules respectively]

CONSENT is hereby granted to

M/s Panchshil Tech Park Pvt. Ltd.
"Tech Park One", S. no. 191A/2A/1/2, CTS No. 2175/1,
Next to Don Bosco School, Off.
Airport Road, Yerwada, 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 operate is granted for a period up to: 30/11/2013.

For development of land/plot as construction activities for IT Park named as "Tech Park One", S. no. 191A/2A/1/2, CTS No. 2175/1,, Next to Don Bosco School, Off. Airport Road, Yerwada, Pune on total plot area of 26,000 sq. mtrs and total built up area of 44,228.98 sq. mtrs including utilities of IT Park and services such as restaurant as per construction commencement certificate dated 04.03.2004 issued by local body.

2. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of sewage effluent from the IT Park shall not exceed 200.00 M³.
- (ii) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and corresponding mode of disposal and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

1	pH	Between	6.5 to 9.0
2	Oil & Grease	Not to exceed	10 mg/l
3	Suspended Solids	Not to exceed	100 mg/l
4	BOD 3 days 27 Deg. C	Not to exceed	100 mg/l
5	Residual Chlorine	Not to exceed	0.1 mg/l

- (iii) **Sewage Effluent Disposal:** The treated domestic effluent shall be 80% recycled/reused to the maximum extent and remaining shall be connected to sewerage system provided by PMC.

The project authorities should opt environmental friendly technologies like ozonation, UV treatment etc by replacing chlorination.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Bio-degradable	428.00	Kg/day	Organic Waste Converter	Used as manure
2	Non-Biodegradable	285.00	Kg/day		By sale

(vii) **Other Conditions:** 1. Industry should monitor effluent quality regularly.

(viii) **Conditions for 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), CRZ notification, and special notifications published for Dahau, Murud - Jangira, Matheran and Mahabaleshwar area wherever applicable and all the Environmental Statutes and Instruments.
2. 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 materials are exported to the outside area.
3. There shall be no felling of trees whether on Forest, Government revenue or private lands except as per prevailing Rules.
4. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities as applicable.
5. 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.
6. 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. This management shall be such as also to help in excluding the external pollutants degrading the internal environment of residential complex.
7. The Applicant shall prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handing over of complex for occupation.
8. 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.
9. 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 with the approval of local body and the inorganic material shall be disposed off at approved Municipal Solid Waste land fill site of local body environmentally acceptable location and method and shall be located 1 km away from river Mula. It is clarified that the term solid waste shall be domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered land fill shall be as per the Municipal Solid Waste (M&H) Rules, 2000.
10. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
11. 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.
12. For disinfection of waste water ultra violet radiation shall be used in place of chlorination
13. Vehicles hired for construction activities should be operated only during non peak hours.

14. Ready mixed concrete used in building construction should apply separately for consent from the Board.
15. The 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.

3. **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 purpose	...	240 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	...	00.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	00.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	00.00 CMD
(v) Agriculture/gardening	...	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.

4. **CONDITIONS UNDER AIR ACT:**

- (I) **The Applicant may install 10 nos. of diesel generating sets (DG Sets), of capacity 6 x 725 KVA and 4 x 750 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:**

Standards for emissions of air Pollutants

i)	SPM/TPM	Not to Exceed	150	mg/Nm ³
ii)	SO ₂ (DG set)	Not to Exceed	313	Kg/day

- (II) The following measure shall be taken.
 - a) Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, RSPM.
 - b) Applicant shall achieve Revised National Ambient Air Quality Standards as per MoEF notification dated 16.11.2009.
- (III) The Applicant shall observe the following fuel patterns

No.	Type of Fuel	Quantity
1	Diesel	776 lit/hr

- (IV) The Applicant shall erect the Chimney (s) of the following specifications

No.	Chimney attached to DG	Height
1	DG sets 6 x 725 KVA	5.5 mtrs* each
2	DG sets 4 x 750 KVA	5.5 mtrs* each

*=above the roof of the building in which it is installed.

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 the manufacturer's 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
- (ii) 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.
- (iii) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (vi) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor stack emissions regularly.

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

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

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
1.	5.1 Used /Spent Oil	500	Lit/Yr	Sale to authorized reprocessor
2.	Electrical & Electronic Waste	

- (ii) **Treatment:- NIL**
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
 2. The industry should comply with the Hazardous Waste (M&H) Rules, 2003.

7. Whenever due to any accident or other unforeseen act or event, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.

8. **General Conditions:**

- a. The applicant shall maintain good house keeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
- b. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
- c. Solid Waste - The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance or pollution. The applicant shall take necessary permission from the authorities for disposal to dumping ground.
- d. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise control production to abide by terms and conditions of this consent regarding pollution levels.
- e. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- f. The applicant shall provide facility for collection of environmental samples and samples of trade and 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.
- g. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- h. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- i. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- j. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers down stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- k. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- l. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

9. **The applicant shall obtain Consent to Operate before Actual Operation of the IT Park activity.**

10. The consent shall not be construed as any exemption from obtaining necessary NOC from other Govt. agencies as may deemed fit necessary.

11. This Board reserves the right to amend, revoke or add any conditions in this consent and same shall be binding on the applicant.

12. The project proponent shall submit the Board resolution by 30/4/2013 & submit B.G. of Rs.2.0 Lakhs for the same within 15 days after receipt of said consent.
13. Project Proponent shall obtain clarification regarding requirement of EC as per EIA notification 14.09.2006 and as amended to date from competent authority, before grant of consent to operate.
14. This consent is issued pursuant to the decision of Consent Committee Meeting of the Board held on 15.03.2013.
15. The Capital Investment of hotel is Rs. 229.47/- crores.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev Kumar Vimal, IAS)
Member Secretary

To,
M/s Panchshil Tech Park Pvt. Ltd.,
"Tech Park One", S. no. 191A/2A/1/2, CTS No. 2175/1
Next to Don Bosco School Off.
Airport Road, Yerwada, Pune.

Copy to:
RO-Pune / CAO / Cess Branch / Master File

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	917980	002991	02 March 2012	Standard Chartered Bank