

# MAHARASHTRA POLLUTION CONTROL BOARD

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**PN-4935/09**

**Infrastructure/Orange/L.S.I**

**Consent No: BO/RO(HQ)/CO/CAC- 666**

**Date: 22/10/2012**

Consent to Establish 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 & Transboundry Movement) Rules 2008

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

**CONSENT is hereby granted to,**

**M/s. Infosys Technologies Ltd.,  
Plot No.24, Rajiv Gandhi Info Tech Park,  
PH-II, Village-Maan, Tal-Mulshi.  
Dist.Pune-411057**

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M,H &T) 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 period up 31/8/2014..**

**2. The Consent is valid for –**

IT Park Project named as M/s. Infosys Technologies Ltd., Plot No.24, Rajiv Gandhi Info Tech Park, PH-2, Village Maan, Tal-Mulshi, Dist. Pune, on total plot area of 4,61,264 .00 Sq mtrs and total Construction BUA of 4,04,897. Sq mtrs including services and utilities as per occupation certificate issued by local body.

### **3.CONDITIONS UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the construction project shall be Nil.
- (ii) The daily quantity of sewage effluent from the construction project shall not exceed **1386 M<sup>3</sup>**.
- (iii) **Sewage Effluent Treatment :**

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 the treated effluent to the following standards

|   |                        |               |                 |
|---|------------------------|---------------|-----------------|
| 1 | pH                     | Between       | 5.5 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 | 01mg/l.         |
| 6 | Detergent              | Not to exceed | 01mg/l          |
| 7 | Floating Matter        | Not to exceed | 10 mg/l         |
| 8 | COD                    | Not to exceed | 250 mg/l        |

(iv) **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 used for gardening. 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.**

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

| Sr. N | Type Of Waste | Quantity | UOM      | Treatment   | Disposal                    |
|-------|---------------|----------|----------|-------------|-----------------------------|
| 1     | Wet Garbage   | 89.087   | Kg/Annum | Composting  | Used as manure              |
| 2     | Dry Garbage   | 235.901  | Kg/Annum | Segregation | Sale to Authorized Recycler |

(vi) **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. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable.
  3. 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.
  4. 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.
  5. The Applicant shall segregate solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting. 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
  6. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
  7. 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.
  8. For disinfections of waste water ultra violet radiation shall be used in place of chlorination.
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 purpose ... 1921 CMD
- (ii) Water gets Polluted & Pollutants are Biodegradable ... 00.00 CMD
- (iii) Water gets Polluted, Pollutant are not Biodegradable & Toxic ... 00.00 CMD
- (iv) Industrial Cooling, spraying in mine pits or boiler feed ... 00.00 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.

**5. CONDITIONS UNDER AIR ACT :**

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission 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<sup>3</sup>
- (ii) SO<sub>2</sub> Not to exceed 35 Kg/day

- (i) 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> |

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

| Sr. No. | Type Of Fuel | Quantity | UOM      |
|---------|--------------|----------|----------|
| 1       | Diesel       | 1950     | Litrs/hr |

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

| Sr. No. | Chimney Attached To       | Height in Mtrs. |
|---------|---------------------------|-----------------|
| 1       | DG Set (2000 KVA x5 Nos)  | 30              |
| 2       | DG Set (3000 KVA x 6 Nos) | 30              |
| 3.      | Boiler                    | 50              |

- (iv) Conditions for D.G. Set

- a. Noise from the D.G. Set shall be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Applicant shall provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 Applicant 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.
- d. Applicant shall 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 shall 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 shall not cause any nuisance in the surrounding area due to operation of D.G. Set.

**(v) Other Condition**

1. 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.
2. Water spraying shall be done on ground to avoid fugitive emissions.
3. Construction material shall be carried in enclosed vehicles during construction activities.

**(vi) 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.

(vii) The Applicant 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.

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

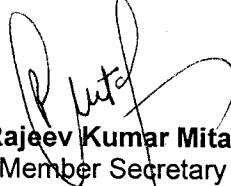
(ix) No construction work is permitted during night time.

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

(i) The Applicant shall handle hazardous wastes as specified below

| Sr. No. | Type Of Waste                     | Quantity | UOM | Disposal                  |
|---------|-----------------------------------|----------|-----|---------------------------|
| 1       | 5.1 Used /spent oil               | 5000.00  | MT  | Sale to Authorized Party. |
| 2       | 5.2 Wastes/residue Containing oil | 500.00   | MT  | CHWTSDF                   |
| 3       | 31.1 Residue and wastes           | 25.00    | MT  | Sale to Authorized Party. |

- (ii) Treatment: - NIL
1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
  2. The Applicant shall comply with the Hazardous Waste (M&H) Rules, 2003.
7. Whenever due to any accident or other unforeseen act or even, 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 storage process connected to it shall be stopped.
8. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deem fit necessary
9. The applicant shall comply with the conditions of Environmental Clearance granted by Environment Department, GOM. vide No. SEAC-2010/CR-707/TC2 dt.9/06/2011.
10. The Applicant shall submit the bank guarantee of Rs. 10 Lakhs within 15 days from the date of issue of this consent at Regional office, Pune for operation and maintenance of the sewage treatment plant and municipal solid waste processing plant
11. The consent is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 26<sup>th</sup> September, 2012.
12. The Capital investment of the project is Rs. 936.12 crore.

  
(Rajeev Kumar Mital, IAS)  
Member Secretary

To,  
M/s. Infosys Technologies Ltd.,  
Plot No.24, Rajiv Gandhi Info Tech Park,  
PH-II, Village-Maan, Tal-Mulshi.  
Dist.Pune-411057

Received Consent fee of –  
Copy to:

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Received Consent fee of –

| Sr. No. | Amount(Rs.)    | DD. No. | Date         | Drawn On   |
|---------|----------------|---------|--------------|------------|
| 1       | Rs.18,72,247/- | 126528  | 24 May, 2012 | ICICI Bank |
| 2,      | Rs.100/-       | 536686  | 28 May, 2012 | SBI Bank   |