

MAHARASHTRA POLLUTION CONTROL BOARD

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EIC No. PN-11383/11

Infrastructure/Orange/L.S.1

Consent No. BO/RO(HQ)/CE/CAC- 51

Date: 07/12/2011

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

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

CONSENT is hereby granted to

M/sCognizant Technology Solutions India Pvt. Ltd.
Plot No. 16, Rajiv Gandhi Infotech Park, Phase-III (SEZ),
MIDC Hinjawadi, 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) 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 cum commercial project at Block C, Wadala Truck Terminus, Mumbai, on total plot area of 1,17,600.00 sq.mtrs., Permissible BUA(as per FSI) of 1,99,713.00 sq. mtrs., Proposed BUA of 1,99,713.00 sq.mtrs. and Total Construction Area of of 3,50,525.00 sq.mtrs. including utilities of the commercial project as per construction commencement certificate issued by local body

This project requires Environment Clearance under EIA Notification dt: 14/09/2006 of MoEF, GOI as amended on dt. 01/12/2009. Therefore the effective date of this consent to Establish shall be from the date of obtaining Environment Clearance from competent authority by the project proponent.

2. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed $0.00M^3$.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed $803.00M^3$.
- (iii) **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
3	Suspended Solids	Not to exceed	100 mg/l.
4	BOD 3 Days 27 degree C	Not to exceed	100 mg/l.
5	Fecal Coliform	Not to exceed	500/100/1 mg/l.
6	Residual Chlorine	Not to exceed	01 mg/l.
7	Detergent	Not to exceed	01 mg/l.
8	Floating matters	Not to exceed	10 mg/l

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Biodegradable waste	1950.00	Kg/Day	Mechanical composting	Mechanical Composting
2	Non Biodegradable waste	2295.00	Kg/Day	--	By sale
3	STP Sludge	8.00	m3/day	--	Mannure

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

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 | ... | 1014.00 CMD |
| (ii) Water gets Polluted & Pollutants are Biodegradable... | | 0.00 CMD |
| (iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic | ... | 0.00 CMD |
| (iv) Industrial Cooling, spraying in mine pits or boiler feed | ... | 212.00CMD |

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.

4. **CONDITIONS UNDER AIR (Prevention & Control of Pollution) ACT, 1981:**

(i) The Applicant may install 15 nos. of diesel generating sets (DG Sets), of capacity 1750 KVA (2 Nos.) and 1500 KVA (13 Nos.), 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/Nm ³ |
| (ii) SO ₂ (DG Set) | Not to exceed | 7.0 Kg/day |

(ii) The following measures shall be taken:

- Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, and RSPM.
- Applicant shall achieve following Ambient Air Quality standards.

- SPM Not to Exceed (Annual Average) 140 µg/ m³

	Not to Exceed (24 hours)	200	µg/ m ³
2.	SO ₂ Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
3.	NO _x Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	80	µg/ m ³
4.	RSPM Not to Exceed (Annual Average)	60	µg/ m ³
	Not to Exceed (24 hours)	100	µg/ m ³

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

Sr. No.	Type Of Fuel	Quantity	UOM
1	Diesel	239.0	Ltrs/hrs.

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	DG Set	9.67

(v) Conditions for D.G. Set

- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- 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.
- 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.
- 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.
- Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- 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
- D.G. Set shall be operated only in case of power failure
- The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set

(v) Other Condition

- 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.
- Water spraying shall be done on ground to avoid fugitive emissions.
- 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 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.

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

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

5. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY 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	50.00	Kg/month	To Authori Reprocessor

(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.
 - a. 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 production process connected to it shall be stopped.
 - b. Industry shall obtain registration from CPCB as a re-refiner of Used oil having environmentally sound technology as per the provisions of Hazardous Waste (Management & Handling) Rules 1989 & Amendment Rules 2003 before commencement of production.
 - c. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
 - d. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (Management & Handling) Rules, 1989 as amended on 2003 and shown & submitted to the Board as & when asked for.

6. The applicant shall certify that the bricks used in construction are manufactured using the ash from Thermal Power stations if it is within a radius of 100 km. from

- Thermal Power Plant and submit the names of bricks manufacturer. The applicant shall use fly ash based material/products as per the provisions of fly ash Notification of 14.09.1999 and as amended on 27.08.2003.
7. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.
 8. The applicant shall adopt environment friendly technology in development of the project.
 9. The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence at the construction stage.
 10. The applicant shall use fly ash based material/products as per the provisions of fly ash Notification of 14.09.1999 and as amended on 27.08.2003
 11. Energy conservation measures like installation of solar panels for lighting the area outside the building should be integrated part of the project design.
 12. The applicant should not take any effective steps for implementation of the project before obtaining Environmental Clearance as per EIA Notification 2006 and amendments thereto.
 13. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
 14. The applicant shall submit a Bank Guarantee of Rs.10,00,000/- (Rupees ten lacs only) for compliance of the consent conditions.
 15. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary
 16. This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 9th November 2011.
 17. The Capital investment of the project is Rs. 104000 Lacs


 (Milind Mhaiskar, IAS)
 Member Secretary

To,
 Cognizant Technology Solutions India Pvt. Ltd.
 Plot No. 16, Rajiv Gandhi Infotech Park,
 Phase-III (SEZ), MIDC Hinjawadi, Tal:- Mulshi,
 Dist:- Pune 411057

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	1040100	593291	28 Mar 2011	Citi Bank
2	1040000	336305	22/11/2011	HDFC Bank