

# MAHARASHTRA POLLUTION CONTROL BOARD

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Opp. Cine Planet Cinema,

Near Sion Circle, Sion (E)

Mumbai- 400 022.

IT Park/LSI

Consent No. BO/ RO-Pune/RO(P&P)/ EIC-PN-6660-10/E/ CC- 2-12 Date: 10/02/2012

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 Authorisation / Renewal of Authorisation 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/s. Zensar Technologies Ltd.,  
Zensar Knowledge Park,  
Plot No. 4, MIDC Kharadi,  
Dist. Pune**

located in the area declared under the provisions of Water Act (P&CP) 1974, Air Act (P&CP), 1981 and Authorization under the provisions of H.W (M & H) Rules and amendments thereto subject to the provisions of the Acts 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 granted for a period up to Commissioning of the project or five years which ever is earlier.**

For development of land/plot as new construction activities for IT/ITES activity on total plot area of 4043 sq. mtrs. & built up area 36629.82 sq. mtrs. including utilities and services such as utilities IT park as per construction commencement certificate issued by local body.

**"Consent to Establish will be operational only after obtaining Environmental Clearance from competent authority by the applicant and subject to the compliance of conditions stipulated in an Environmental Clearance including conditions which may be more stringent, if stipulated by/in the Environmental Clearance."**

2. **CONDITION UNDER WATER (PREVENTION & CONTROL OF POLLUTION) ACT, 1974:**

- (i) The daily quantity of sewage effluent from above project shall not exceed 100 M<sup>3</sup>.
- (ii) **Sewage Effluent Treatment:** The Applicant shall provide a comprehensive sewage treatment plant and treatment 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	Not to exceed	6.5 to 9.0	
(2)	Suspended Solids	Not to exceed	100	mg/l.
(3)	BOD 3 days 27 CC.	Not to exceed	20	mg/l.
(4)	Fecal Coliform	Not to exceed	500/100/l	ml.
(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 into PMC sewer. In no case, effluent shall find its way to any water body directly/indirectly at any time.

- (iv) **Non-Hazardous Solid Waste:** The total quantity shall be segregated and treated as follows:

Sr	Type of Segregated solid waste	Quantity (kg/day)	Treatment & Disposal
1	Bio-degradable Waste	50	Vessel Composting
2	Non-biodegradable Waste	---	Sale to authorised recycler or Sent to PMC

- (v) **Other conditions (During 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 area wherever applicable and all the Environmental Statutes and Instruments.
  2. This Consent to Establish is issued only for Developing Construction Project purposes.
  3. 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 material is not exported to the outside area.
  4. There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
  5. Extraction of Groundwater for the residential complex shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable;
  6. 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.
  7. In order to ensure that the water from this residential complex 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.
  8. The 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 prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handling over of complex for occupation.
  10. 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 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 land fill shall be as per the Municipal Solid Waste (M&H) Rules, 2000
  11. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent
  12. 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.
  13. The applicant shall provide sufficient parking space for parking of four wheelers for residential area.
  14. For disinfection of waste water ultra violet radiation shall be used in place of chlorination.
  15. Ready mixed concrete used in building construction stage should apply separately for consent from the Board.
  16. The applicant, during the construction stage shall provide.
    - q) Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.
    - r) Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.
    - s) Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.
    - t) Green belt of 33% of the open space shall be developed excluding lawns.
4. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 as amended in 2003 (to be referred as Cess Act) and Rules thereunder:



The daily water consumption for the following categories is as under:

(i) Domestic	...	115	CMD
(ii) Swimming Pool	...	---	CMD
(iii) Flushing (Recycled water)	...	---	CMD
(iv) Gardening (Recycled Water)	...	35	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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>

#### 5. CONDITIONS UNDER AIR (PREVENTION & CONTROL OF POLLUTION) ACT, 1981:

(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 :

##### A) The following measure shall be taken

- Adequate mitigation measures shall be taken to control emissions of SO<sub>2</sub>, NO<sub>x</sub>, SPM, RSPM.
- Applicant shall achieve following Ambient Air Quality Standards

i)	SPM	Not to Exceed (Annual Average)	140	µg/Nm <sup>3</sup>
		Not to Exceed (24 hours)	200	µg/Nm <sup>3</sup>
ii)	SO <sub>2</sub>	Not to Exceed (Annual Average)	60	µg/Nm <sup>3</sup>
		Not to Exceed (24 hours)	80	µg/Nm <sup>3</sup>
iii)	NO <sub>x</sub>	Not to Exceed (Annual Average)	60	µg/Nm <sup>3</sup>
		Not to Exceed (24 hours)	80	µg/Nm <sup>3</sup>
iv)	RSPM	Not to Exceed (Annual Average)	60	µg/Nm <sup>3</sup>
		Not to Exceed (24 hours)	100	µg/Nm <sup>3</sup>

##### B) 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 metres 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.

##### C) Standards for Emissions of Air Pollutants :

(i)	SPM/TPM	Not to exceed	150 mg/Nm <sup>3</sup>
(ii)	SO <sub>2</sub> from DG set	Not to exceed	80 Kg/Day.

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

<u>Sr.No.</u>	<u>Type of Fuel</u>	<u>Quantity</u>
1.	HSD	480 lit./day

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

<u>Sr.No.</u>	<u>Chimney attached to</u>	<u>Height in Mtrs.</u>
1.	DG Set (1250 KVA) (2 Nos.)	8* each
2.	DG Set (800 KVA)(2 Nos.)	6* each
3.	DG Set (320 KVA)	3.6*

(\* above the height of building where the DG set is installed)

- (iv) 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.

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(v) **Other Conditions :**

- 1) The applicant should not cause any nuisance in surrounding area.
- 2) The applicant should monitor ambient air quality regularly.
- 3) Water spraying shall be done on ground to avoid fugitive emissions.
- 4) Construction material shall be carried in enclosed vehicles during construction activities.

(vi) **Conditions for Utilities like Kitchen, Eating Places etc.:**

- (a) The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
- (b) The toilet shall be provided with exhaust system connected to chimney through ducting.
- (c) The air conditioner shall be vibration proof and the noise level shall not exceed 68 dB (A).
- (d) 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 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.

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

(ix) No construction work is permitted during nighttime.

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

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

Sl.	Item No (Sch-I)	Type of Waste	Quantity	Disposal
01	5.1	Used/spent oil	300 lit/yr	Sale to authorized reprocessor
02	31.1	Electronic waste	50 Nos/yr	Send to authorized party
03		Batteries	150 Nos/yr	Sale to authorized party

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 production process connected to it shall be stopped.

8. 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.

9. The applicant shall adopt environment friendly technology in development of the project.

10. 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.


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 shall not take any effective steps to operate the activity before obtaining Environmental Clearance as per EIA Notification. If any non-compliance of the conditions of consent to Establish observed, the Board will initiate appropriate legal action including forfeiture of bank guarantee of Rs. 10 Lakhs submitted by you vide letter dtd. 31.01.2012, revocation of consent & further action.**

13. **The applicant shall obtain Consent to Operate before Actual Commencement of the project activity.**

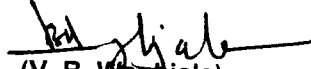
14. **This Consent is issued pursuant to the decision of Consent Committee meeting held on 04.05.2011 of the Board.**

15. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.



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16. The capital investment of the project Rs.110.68 Crs.

  
(V. B. Waghjale)  
Assistant Secretary (Technical)

To,  
M/s. Zensar Technologies Ltd.,  
Zensar Knowledge Park,  
Plot No. 4, MIDC Kharadi, Dist. Pune

Copy to:

RO-Pune /SRO-Pune-I / CAO / Cess Branch / Master File

Received **Consent fee** of -

Amount  
Rs. 3,54,276/-

D.D.No.  
364896

Date  
13.05.2010

Drawn on  
State Bank of Mysore

**Consent Fees of Rs. 1,32,916/- shall be considered at the time of grant of consent to operate.**