

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022.

EIC No. MU- 11284 /11

Infrastructure Project/Red/LSI

Consent No. BO/RO(HQ)/CE/CAC-208

Date: 23 /01/2012

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 Authorization under Rule 5 of the Hazardous Waste (Management, Handling & Transboundary Movement) Rules 2008.

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

Consent to Establish is granted to,

M/s National Highway Authority of India,
PIU, G.F. United Arcade, Hotgi RD,
A/P-Solapur, Dist. Solapur

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M,H & TM) Rules 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 construction of 101.5 Kms 4/6 Lane Pune Sholapur Highway,

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 (Prevention & Control of Pollution) ACT, 1974: -

- (i) The quantity of sewage effluent from above construction project shall not exceed 10.0 m³/day.
- (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 °C.	Not to exceed	20	mg/l.
4.	Fecal Coli form	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
8.	COD	Not to exceed	50	mg/l

(iii) **Sewage effluent Disposal: -**

The treated domestic effluent shall be soaked in soak pit and remaining, if any, shall be used on own land for gardening.

(iv) **Non-Hazardous Solid Waste: - Nil**

3. 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), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
2. This Consent to Establish is issued only for New Construction/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 project 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 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.
8. 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 (i.e vermi-composting facility within premises) with the approval of local body. 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.

9. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
10. 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.
11. Vehicles hired for construction activities should be operated only during non peak hours.
12. Ready mixed concrete used in building construction should apply separately for consent from the Board.
13. 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.
4. The Applicant shall comply with all the provisions of, the Water (Prevention and Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules as Amended, 2003 and Rules there under: -
The daily water consumption for the following categories shall not exceed, as under

(i) Domestic	From ULB (In CMD)	From other sources (In CMD)
a) Domestic	12.5	NA
b) Construction activity and dust suppression	862.0	NA
c) Make up for firefighting	NA	NA
d) Agriculture/Gardening	NA	NA
(ii) Industrial cooling	NA	NA

5. CONDITIONS UNDER AIR (Prevention & Control of Pollution) ACT, 1981: -

- (I) The Applicant shall install Electrostatic Precipitator(ESP) as control equipment 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 prescribe standards.

Standards for emissions of air Pollutants

i)	SPM/TPM	Not to Exceed	---	mg/Nm ³
ii)	SO ₂	Not to Exceed	--	Kg/day

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 following Ambient Air Quality standards.

1	SO ₂	Not to Exceed (Annual Average)	50	µg/ m ³
		Not to Exceed (24 hours)	80	µg/ m ³
2	NO _x	Not to Exceed (Annual Average)	40	µg/ m ³
		Not to Exceed (24 hours)	80	µg/ m ³
3	PM ₁₀	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	100	µg/ m ³
4	PM _{2.5}	Not to Exceed (Annual Average)	40	µg/ m ³
		Not to Exceed (24 hours)	60	µg/ m ³

- (II) The Applicant shall observe the following fuel patterns

No.	Type of Fuel	Quantity
1	H.S. Diesel	-- ltrs/day

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

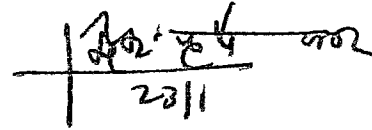
No.	Chimney attached to DG	Height above roof top of the building in which it is installed.
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- (IV) Other Conditions:

- a) Water spraying shall be done on ground to avoid fugitive emissions.
 - b) Construction material shall be carried in enclosed vehicles during construction activities.
- (V) 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.
- (VI) Construction equipments generating noise of less than 65/90 db(A) are permitted.
- (VII) No construction work is permitted during nighttime.
6. **CONDITIONS UNDER HW (M, H & TM) RULES, 2008:**
- (i) The applicant shall not generate any hazardous wastes.
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 should 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 process connected to it should be stopped. The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.
8. Industry should comply with following additional conditions:

- i. The applicant should maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.
 - ii. The applicant should bring minimum 33% of the available open land under green coverage/ tree plantation.
 - iii. The applicant should 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 should stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
 - iv. The applicant should not change or alter 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.
 - v. The applicant should provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and should pay to the Board for the services rendered in this behalf.
 - vi. The firm should 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.
 - ix. An inspection book should be opened and made available to the Board's officers during their visit to the applicant.
 - x. The applicant should install a separate electric 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 should be maintained.
 - xi. Separate drainage system should be provided for collection of trade and sewage effluents. Terminal manholes should be provided at the end of collection system with arrangement for measuring the flow. No effluent should be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent should find its way other than in designed and provided collection system.
 - xii. Neither storm water nor discharge from other premises should be allowed to mix with the effluents from the factory.
- 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 proposed Environment management plan shall be implemented during construction phase, operation phase and action taken/progress report be submitted every six months to the Board.**
- 11. The Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.**
- 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. The applicant shall submit a Bank Guarantee of Rs.10,00,000/- (Rupees ten lacs only) for compliance of the consent conditions.
14. This consent shall not be construed as exemption from obtaining necessary NOC from any other Government agencies as may deemed fit necessary.
15. This is issued with the approval of Consent Appraisal Committee of the Board in its meeting held on 9th November 2011.
16. The Capital investment of the industry is Rs. 83500 Lacs.


23/11

(Milind Mhaikar, IAS)
Member Secretary

To,
M/s National Highway Authority of India,
PIU, G.F. United Arcade, Hotgi RD,
A/P-Solapur, Dist. Solapur

Copy to-

1. Regional Officer, Pune
2. Sub Regional officer, Solapur
3. Chief Accounts Officer, Mumbai, MPCB,
Received consent fee of:-

Amount	DD No.	Date	Drawn on
Rs 8,35,000/-	584757	19/07/2011	Syndicate Bank
Rs 8,35,000/-	809124	05/01/2012	Syndicate Bank

4. Cess Branch, MPCB, Mumbai.
5. Master file.