


# MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Consent No. *BO/JD(APC)/EIC No. TN-3665-12/E/CC-CA-56* | Date: 16/08/2012

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 / 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].

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CONSENT is hereby granted to

**M/s. Reliance Infrastructure  
Dahanu Thermal Power Station  
Village- Agwan & Asangaon, Tal. Dahanu,  
Dist-Thane**

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 granted for a period up to commissioning of unit or five years whichever is earlier.
2. The Consent is valid for the activity of –

Sr. No.	Activity Name
1	Installation of Closed Pipe Conveyor System for in house Coal transportation.

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent shall be Nil.
- (ii) The daily quantity of sewage effluent shall not exceed 1.0CMD

(iii) Trade Effluent : Treatment:

(iv) Trade Effluent Disposal:

(v) 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) Suspended Solids	Not to exceed	100	mg/l
(2) BOD 3 days 27 Deg.C	Not to exceed	100	mg/l

(vi) Sewage Effluent Disposal: The treated domestic effluent shall be connected to the sewerage system provided by local body, until such facilities are provided; it may be discharged on land for gardening/irrigation purpose to maximum extent. The excess may be discharged into sea/creek.

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

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
			NIL		

(viii) Other conditions:

4. The applicant shall comply with the provisions of water (Prevention & Control of pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules there under.

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

I. Domestic	---	1.5 CMD
II. Industrial boiler make up & service water	---	Nil CMD
III. Agriculture/Gardening	---	Nil CMD
IV. D.M. Plant/Softening Plant Washing	---	Nil 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:

**A) Control Equipment:**

- i) There shall not be any fugitive emission from the activity of installation of Closed Pipe conveyor system.

**B) Standards for Emissions of Air Pollutants:**

(i)	SPM	Not to exceed	80	$\mu\text{g}/\text{m}^3$
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ii. **The applicant shall observe the following fuel pattern:-**

Sr. No.	Type Of Fuel	Quantity	UOM
			NIL

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

Sr. No.	Chimney Attached To	Height in Mtrs.
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- iv. The applicant shall observe the following fuel pattern

Sr.No.	Type of Fuel	Quantity
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- v. The applicant shall erect the chimney(s) of the following specifications

Sr.No.	Chimney attached to	Height in Mtrs
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(iv) The applicant shall provide ports in the chimney/(s) and facility such as ladder, platform etc for monitoring of 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 designed by numbers such as S-1, S-2 etc. and these shall be painted /displayed to facilities identification.

(v) 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 Condition

- 1) There shall not be any fugitive emissions.
- 2) The industry should not cause any nuisance in surrounding.
- 3) If due to any technological improvement or otherwise this Board is of opinion that all or any of the conditions referred above require variation (including the change of any control equipment either in whole or in part), this Board shall after giving the applicant an opportunity of being heard very all or any of such conditions and thereupon the applicant shall be bound to comply with the conditions so varied.

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

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

There shall not be any generation of Hazardous Waste

- (ii) Treatment: - NA

- (iii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

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.

**7. Industry shall comply with following additional conditions:**

- (i) 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, no. of trees surviving as on 31st March of the year and no. of trees planted by September end.

- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.

- (iii) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent. The applicant shall 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.

- (iv) The firm shall submit MPCB the Environment 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 before 30th September every year.

- (v) 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. The applicant shall also submit a comparative statement of designed power

and chemical consumption Vis –a Vis actual power and chemical consumption along with Environment statement.

(vi) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

(vii) The applicant shall provide facility for collection of Environmental samples of trade and sewage effluent, air emissions and hazardous wastes to the Board staff at the terminal and discharge points and shall pay to the Board for the services rendered in this behalf. An inspection book shall be opened and made available to the Boards officers during their visit to the applicant.

(viii) The industry shall ensure that fugitive emission from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.

(ix) 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.

8. Industry shall not take any effective steps before obtaining CRZ clearance.
9. This is issued with approval of **Consent Appraisal Committee** meeting of the Board held on dtd. 25/07/2012.
10. The existing Capital investment is **Rs. 1803.42 Crores** & for expansion is **Rs. 50.0 crores, the total CI Rs. 1853.42 crores.**

  
(Milind Mhaikar, IAS)  
Member Secretary

To,

M/s. Reliance Infrastructure  
Dahanu Thermal Power Station  
Village- Agwan & Asangaon, Tal. Dahanu,  
Dist-Thane

Copy to:

- 1) RO- MPCB Thane /SRO Tarapur-II:- They are directed to conduct regular monitoring at this unit to ensure compliance of consent conditions.
- 2) CAO/Cess Branch/Master File

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
I	75000/-	734750	10/05/2012	ICICI Bank