

MAHARASHTRA POLLUTION CONTROL BOARD

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Red/L.S.I

Consent No. BO/JD(APC)/EIC No. RD-2184-11/O- **CAC- 26**

Date: **24/11/2011**
/ / 2011

Consent to operate 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) Rules respectively].

CONSENT is hereby granted to

**M/s. Tata Power Company,
(Bhira Hydro Power Station),
P.O. Bhira, Tal. Mangaon,
Dist Raigad**

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 there to subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following and conditions:

1. The Consent to Operate is granted for a period up to: 31/12/2013
2. The Consent is valid for the manufacture of -

Sr.No	Product name	Maximum Quantity	UOM
1	Hydro Electric Power Generation	300	MW

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of tailrace discharge from hydro power station shall not exceed 7.2 Million M³/day
- (ii) The daily quantity of sewage effluent from the Hydro Power station shall not exceed 50 M³ /Day.
- (iii) Trade Effluent: N.A.
- (iv) Trade Effluent Disposal: N.A.
- (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 treated effluent to the following standards.

(1)	Suspended solids	Not to exceed	100	mg/l
(2)	BOD 3 days 27o c	Not to exceed	100	mg/l

8. In case of problems, the DG set shall not be operated until it is set back to satisfactory position.

Standard for Emission of Air Pollutants

(a)	SPM	Not to exceed	150 mg/Nm ³
(b)	SO ₂	---	--- Kg/day

- (ii) The Applicant shall observe the following fuel pattern

Sr No	Type of fuel	Quantity
1	HSD	800 Liters/Year

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

Sr.No	Chimney Attached to	Height in Metres
1	D.G set (250 KVA)	4.42
2	D.G set (500 KVA)	4.42

- (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.

5. OTHER CONDITION

- (i) The industry shall be 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 am and 10 pm. and night time is reckoned between 10 pm and 6 am.

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

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

Sr.No	Type of Waste	Quantity	UOM	Disposal
1	Used oil/Spent oil category 5.1	15	MT/Annum	Sale to SPCB/CPCB authorized re-refiners/reprocessor
2	Oil Soaked waste	100	Kg/A	Incineration

- (ii) Treatment:- NA
 (iii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.
 (iv) Wherein due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be forthwith reported to the MPC Board.


7. NON-HAZARDOUS SOLID WASTES:

Sr.no.	Type of waste	Quantity	UOM	Treatment	Disposal
1	Metallic Waste	---	---	---	Sale
2	Non Metallic Biodegradable Waste	---	---	---	Composting as manure/ Biogas generation

8. Industry shall comply with following additional conditions:

- (i) The applicant shall maintain good housekeeping and take adequate for control of pollution from all sources so as not to cause nuisance to surrounding area/inhabitants.
- (ii) The applicant shall bring minimum 33% of the available open land under coverage/tree plantation.
- (iii) 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 applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designed points and shall pay to the Board for the services rendered in this behalf.
- (v) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- (vi) The firm shall 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 pre the provisions of rule environment(protection) (second Amendment) Rules,1992.
- (vii) As inspections book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) 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.

- (ix) Adequate safety measure shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- (x) You shall install sewage treatment plant of adequate capacity for treatment of domestic effluent within one year.
9. This is issued with the approval of consent appraisal committee meeting held on 09.11.2011.
10. The capital investment of the Bhira Hydro Power Station is Rs.384.54 /- Crores.


23/11
(Milind Mhaiskar, IAS)
Member Secretary

To
M/S Tata Power Company Limited
Bhira Hydro Power Station
P.O. Bhira, Tal, Mangach, Dist, Raigad

Copy to

- 1) RO- MPCB Raigad/ SRO- MPCB Mahad
- 2) CAO
Received Consent Fees

Sr No	Amount	DD No	Date	Drawn On
1	975000/-	259386	15.09.2010	Bank Of Maharashtra
2	947800/-	259387	15.09.2010	Bank Of Maharashtra

- 3) Cess Branch
- 4) Master File