


MAHARASHTRA POLLUTION CONTROL BOARD

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Red/ L.S./

Consent No.BO/JD(APC)/EIC No.RD-2491-12/Amendment/ **CAC-1150**
Date 22/10/2013.

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 & Transboundary Movement) Rules 2008

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

CONSENT is hereby granted to

**M/s JSW Ispat Steel Ltd.
Captive Jetty (331.5 meters)
Geetapuram , Tal:Pen, Dist:Raigad.**

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under provisions of HW (M, H & T) 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 Operate is granted for a period up to 31/08/2016.
2. The consent is valid for the operation of

Sr. no	Product Name	Maximum Capacity	UOM
1	Jetty for Material handling captive purpose only (Total length -331.5 meters)	13,50,000	MT/M

- Also industry can handle raw material at jetty of M/s Amba River Coke Ltd and M/s JSW Cement Ltd as they are sister concerns of M/s JSW Ispat Steel Ltd.
- Industry shall not exceed the total capacity of material handling permitted by the Board i.e.13,50,000 MT/ Month.
- Industry shall not used jetty for third party material handling purpose strictly.
- The jetty shall not used for transportation of hazardous material.

3. **CONDITION UNDER WATER ACT:**

- (i) The daily quantity of trade effluent from the coal jetty shall be nil.
- (ii) The daily quantity of sewage effluent from the coal jetty shall not exceed 20 CMD
- (iii) **Trade Effluent treatment:** 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 of treated effluent to the following standards.
 - a) Suspended Solids Not to Exceed 100 mg/l
 - b) BOD 3 days 27 deg C Not to Exceed 100 mg/l
- (vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in to soak pit which shall be got cleaned periodically. Over flow if any shall be used on land for gardening/plantation only.

4. **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:

Sr.no	Usage	
(i)	Domestic	50 CMD
(ii)	Industrial Processing	-- CMD
(iii)	Industrial Cooling /Boiler	-- CMD
(iv)	Water consumed for dust suppression system	300 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. **CONDITION UNDER AIR ACT.**

A) Control Equipments and Measures.

- i) Industry shall provide adequate air pollution control system to control system at the material transfer point.
- ii) Industry shall provide adequate air pollution control system to control system along with dust suppression system/ water sprinkling arrangement at the source of SPM/TPM.
- iii) Industry shall provide adequate air pollution control system to control dust arising from activity and from other source.
- iv) Control equipment such as coal dust collectors, separators and hoods shall be deployed where ever required to control the fugitive emissions.
- v) Optimum water spraying shall be done so as to suppress the fugitive emission of dust particles matters so as to achieve SPM level.
- vi) Trucks if used for internal movement of coal / material shall be mechanically closed type. Open trucks shall not be used for internal coal /material movement.

- vii) Adequate fume extraction system followed by dust collector of sufficient capacity shall be provided at all dust generating location and operated properly.
- viii) There shall not be any secondary (fugitive) emissions.
- ix) The applicant shall install comprehensive control system consisting of 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 pollutant to the following standards.

B) Standards for Emissions of Air Pollutants:

- (i) SPM/TPM Not to exceed 150 mg/Nm³

C) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
		----Nil----	

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

Sr. No.	Chimney Attached To	Height in Mtrs.
		Nil

E) 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.

F) Other Conditions:

- 1) The industry should not cause any nuisance in surrounding area.
- 2) The industry should monitor stack emissions and ambient air quality regularly.

6. OTHER CONDITIONS

- i) The industry shall take adequate measures for control of noise levels from its own sources as to maintain ambient air quality standards 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. to 10 p.m. and night is reckoned in between 10 p.m. to 6 a.m.
- ii) Environmental monitoring for air and water shall be done during the operation of jetty. Air monitoring shall be done near berth as well as near yard for PM10 & PM2.5 within 500 m distance from material handling points at yard and material loading point at berth. Monitoring can be done through any laboratory approved by the Ministry of Environment and Forest, Govt of India, New Delhi under environment (protection) Act, 1986. The AAQ monitoring shall be done on alternate

day basis continuously for 24 hours. The monitoring shall be done as per CPCB guidelines in this respect.

- iii) Marine survey shall be carried out once in a fortnight near berth for the environmental parameters such as physical, chemical, physico-chemical, biological/bio-monitoring including heavy metals.
- iv) In addition to point no iii above Sea/Creek water monitoring shall be carried out at following locations once in fortnight
 - 1) Between berth and approach channel
 - 2) At 500 m distance on both sides of the approach channel
 - 3) At 1000 m distance from coal berth towards sea
- v) The results of the environment monitoring shall be submitted to the MPC board on monthly basis.
- vi) All possible care shall be taken so that the natural environment including flora and fauna in the vicinity is not adversely affected due to transportation of coal / other material.
- vii) All the barges used for transportation of coal shall be as per the approved criteria laid down by the MMD or IRS as the case may be.
- viii) The coal /material handling Jetty shall be provided with closed conveying system for transportation of coal /material to avoid fugitive emissions and operate and maintain them properly.
- ix) The offshore facility for transit storage of coal near the Jetty shall be provided with adequate water sprinkling facility to avoid fugitive emission of particulate matter.
- x) The applicant shall comply with all the conditions stipulated in the Environmental Clearance granted by MoEF, dated 04.01.1995.

7. **NON-HAZARDOUS SOLID WASTE**

Sr No	Type of Waste	Quantity	Treatment	Disposal
---N.A.---				

8. **CONDITIONS UNDER HW (M, H & T) RULES, 2008**

The industry shall handle hazardous waste as specified below

Sr No	Type of Waste	Quantity	UOM	Disposal
1	5.1 Used/Spent oil	6000	Liters/Year	Sale to SPCB/CPCB authorized re- refiner/reprocessor or at CHWTSDF.

- i) Whenever 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.

9. Industry shall comply with following general conditions:

- i. The applicant shall 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 shall bring minimum 33% of the available open land under green coverage/ tree plantation.
- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall 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 shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. 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.
- vi. The applicant shall 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 shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. 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 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall 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 shall be maintained.
- xi. 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.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

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

11. Industry shall submit the Bank Guarantee of Rs. 2/- Lakhs validity of one year period in the Board within one month period towards operation and maintenance of pollution control systems so as to achieve consent standards / and compliance of the same.
12. Industry can handle raw material at jetty of M/s Amba River Coke Ltd and M/s JSW Cement Ltd. Industry shall not exceed the total capacity of material handling permitted by the Board i.e.13,50,000 MT/ Month.
13. Industry shall handle raw material at the jetty for captive purpose only.
14. This consent is issued with the overriding effect of the earlier consent issued by the Board vide consent No.BO/JD(APC)/EIC No.RD-2491-12/ - CC - CAC -1586 dated 22.2.2103.
15. The total Capital investment of the industry is Rs. 132.48 Crores.
16. This is issued with approval of Consent Appraisal Committee meeting of the Board held on dtd. 05.10.2013.

For and On Behalf of the
Maharashtra Pollution Control Board,

(Rajeev Kumar Mital, IAS)
Member Secretary

To
M/s JSW Ispat Steel Ltd.
Captive Jetty (331.5 meters)
Geetapuram, Tal:Pen, Dist:Raigad.

Copy to

1. RO Raigad/SRO-Raigad-II-They are directed to ensure the compliance of consent conditions.
2. CAO CESS branch/ Master file.

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	6,62,426	475191	16.03.11	SBI
2	5,29,894	100464	07.10.2011	ICICI Bank

Earlier Board has granted consent to operate up to 31.08.2012.The consent fees of Rs.10,59,840/- was balance in the Board.