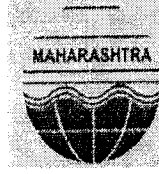


# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781  
/4037124/4035273  
Fax : 24044532/4024068 /4023516  
Email : enquiry@mpcb.gov.in  
Visit At : <http://mpcb.gov.in>



Kalpataru Point, 3rd & 4th floor, Sion- Matunga  
Scheme Road No. 8, Opp. Cine Planet Cinema, Near  
Sion Circle, Sion (E),  
Mumbai - 400 022

Consent order No :- Format 1.0/BO/CAC-cell/EIC- KP-15808-14/E/CAC-9635  
Date- 18/10/2014

To,  
M/s. Ilog Ports Pvt. Ltd.,  
Registered Office:  
'Vishwakarma' 86 C, Topsia Road (South),  
Kolkatta-700046.  
Project site:  
Sr. no. 141 to 188, At- Nate, Tal. Rajapur,  
Dist. Ratnagiri.

Subject: Consent to Establish for setting up of Green Field captive jetty for coal handling at  
Sr. no. 141 to 188, At- Nate, Tal. Rajapur, Dist. Ratnagiri in Red category.

Ref :

1. Minutes of 16<sup>th</sup> CAC meeting held on 23.9.2014.

Your application CE1405001007

Dated: 28.01.2014

For: 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 Wastes (M, H & T M) Rules 2008, is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The Consent to Establish is granted for a period up to Commissioning of the project or 5 years whichever is earlier.
2. The proposed capital investment of the project is Rs.135 Crs. as per CA certificate submitted
3. This Consent is valid for

	Activity	Max. Quantity
1	<p>Green Field project for setting up of captive jetty for unloading of imported coal for the proposed sea water cooled 405 MW coal based power plant across the village at Nate</p> <p>Dimensions: <b>Approach</b> : About 750.00 m long x 10.00 m wide</p> <p><b>Main berth</b> : About 240.00 m long x 32.00 m wide (Jetty)</p> <p>Waterfront Location as per MMB deed of lease dated 24.2.2014: The site lies in southern part of Ratnagiri district</p> <p>ON THE NORTH WEST BY: 16° 39' 30" N 73° 19' 51" E ON THE SOUTH WEST BY: 16° 39' 14" N 73° 19' 52" E ON THE SOUTH EAST BY: 16° 39' 14" N 73° 20' 00" E ON THE NORTH EAST BY: 16° 39' 30" N 73° 20' 00" E (Inter Tidal area 54700 sq.m. &amp; Under Water Area 53400 sq.m.)</p>	As per proposed EC/CRZ clearance

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	NIL	As per Schedule -I	NA
2.	Domestic effluent	6.00	As per Schedule-I	Soak pit and septic tank

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	DG sets (1 X 5 KVA)	1	As per Schedule -II

6. Conditions under Municipal Solid Waste (Management and Handling) Rule,2000:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
NIL				

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. No.	Type Of Waste	Category	Quantity	UOM	Treatment	Disposal
1	Used oil	5.1	0.05	MT		Sale to authorized recycler

8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
10. PP shall submit the affidavit within 15 days in the prescribed format regarding the compliance of conditions of EC clearance and C to E.
11. 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 and CRZ clearance as per CRZ notification, 2011 and amendment thereto. As per Para 2 of EIA notification dated-14/09/2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MoEF vide office memorandum no. J-1103/41/2006-IA.II(I); Dated-19/8/2010, fencing of the site to protect it from getting encroached & construction of temporary shed(s) for the guard(s) & acquisition of land shall not be treated as an effective steps.
12. This is issued as per Letter of Intent of the Mumbai Maritime Board vide its letter dtd 2.8.2013.
13. PP shall submit local contingency plan including for oil spillage in consultation with MMB.

For and on behalf of the  
Maharashtra Pollution Control Board

(Rajeev Kumar Mital, IAS)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1.	270000/-	103582	28.1.2014	Axis bank

Copy to:

1. Regional Officer -Kolhapur and Sub-Regional Officer- Ratnagiri, MPCB,  
-- They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

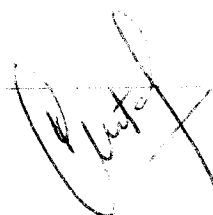
**Schedule-I**  
**Terms & conditions for compliance of Water Pollution Control:**

- 1) A) As per your consent application, you have proposed to provide Septic tank followed by soak pit.
- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
- 3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	20

- 5) The firm shall provide Specific Water Pollution control system as per the conditions of EPAct, 1986 and rule made there under from time to time/ Environmental Clearance.
- 6) Environmental monitoring for water shall be done during the operation of coal jetty. Sea water monitoring shall be carried out at following locations once in fortnight
  - 1) Between coal 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
- 7) Marine survey shall be carried out once in a fortnight near coal berth for the environmental parameters such as physical, chemical, physico-chemical, biological/bio-monitoring including heavy metals.
- 8) The results of the environment monitoring shall be submitted to the MPC board on monthly basis



## Schedule-II

### Terms & conditions for compliance of Air & Noise Pollution Control:

1. As per your application, you have to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Source	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
1.	DG set 5 KVA	Acoustic enclosure		Diesel	100 lit/day	1	2

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150.00 mg/Nm <sup>3</sup> .
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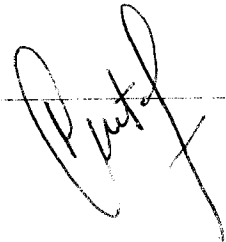
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary)
5. Ambient noise levels should conform to prescribed standards both during day and night. The ambient air and noise quality should be closely monitored during construction phase.
6. Control equipment such as coal dust collectors, separators and hoods shall be deployed where ever required to control the fugitive emissions.
7. Optimum water spraying shall be done so as to suppress the fugitive emission of dust/particles matters so as to achieve suspended particulate matter (SPM) levels below 500 micrograms /M3 for 24 hours average in the vicinity.
8. Environmental monitoring for air shall be done during the operation of coal jetty. Air monitoring shall be done near coal berth as well as coal yard for PM10 & PM2.5 within 500 m distance from coal handling points at coal yard and loading point at coal 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.
9. The results of the environment monitoring shall be submitted to the MPC board on monthly basis.

### Coal Handling, Storage and Movement:

10. Trucks if used for internal movement of coal shall be mechanically closed type. Open trucks shall not be used for internal coal movement.
11. 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.
12. 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.
13. The coal Jetty shall be provided with adequate capacity mechanized equipments like screw unloaders for unloading the coal and closed pipe conveying system for transportation of coal to avoid fugitive emissions and operate and maintain them properly.
14. The offshore facility for transit storage of coal near the coal Jetty shall be provided with adequate water sprinkling facility to avoid fugitive emission of particulate matter.
15. With the issuance of this consent to operate coal handling shall not be done elsewhere except without specific prior permission of the Board.

**Schedule-III**  
**Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
	Proposed					
1	Consent to Establish	Rs. 10 lakh	15 days from the date of issue of consent	Towards not to take effective steps prior to obtaining EC	Upto Commissioning of the unit	Five years
2	Consent to Establish	Rs. 10 lakh	15 days from date of issue of consent	Towards compliance of consent conditions	Upto Commissioning of the unit	Five years



#### Schedule-IV

##### **Conditions during construction phase:**

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.

##### **General Conditions:**

- 1) 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 designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 6) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30<sup>th</sup> June of every year.
- 8) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 9) **The applicant shall obtain Consent to Operate from Board before commissioning of the project.**
- 10) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website([www.mpcb.gov.in](http://www.mpcb.gov.in)).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) 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.
- 13) Conditions for D.G. Set
  - a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.



- b) 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 meters from acoustic enclosure/room and then average.
  - c) 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.
  - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
  - e) 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
  - f) D.G. Set shall be operated only in case of power failure.
  - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
  - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
- 14) The industry should not cause any nuisance in surrounding area.
  - 15) 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.
  - 16) The applicant shall maintain good housekeeping.
  - 17) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31<sup>st</sup> March of the year and number of trees planted by September end, with the Environment Statement.
  - 18) 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 of solid waste.
  - 19) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
  - 20) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
  - 21) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
  - 22) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

