

## MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No: -BO/CAC-Cell/EIC No:-CH-1708-15/CAC/ 6290  
Date- 27/05/2015

To,  
M/S GOPANI IRON & POWER (i) Pvt Ltd,  
MIDC Growth Centre, Tadali,  
Chandrapur (M.S.) 442406.

Subject: Renewal of Consent with increase in capital investment under RED category.

- Ref : 1. Earlier Consent granted vide no. BO/PCI-II/RO-CH/EIC No. CH-223  
10/R/CC-179, Dated 01/04/2010.  
2. Minutes of CAC meeting held on 14.05.2015

Your application: CR1501000052  
Dated: 06/12/2014.

For: Renewal of Consent with increase in capital investment 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 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:

- The consent is granted for a period from 01/03/2015 to 31/08/2017
- The actual capital investment of the industry is Rs. 84.77 Cr (As per C. A. Certificate submitted by industry)
- The Consent is valid for the manufacture of -

Sr. No.	Product / By-Product Name	Maximum Quantity in MW/HR
01	ELECTRICITY GENERATION (WHRB & CO-GENERATION PLANT)	15 M.W/HR

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	509 CMD	As per Schedule-I	Recycle for ash slurry making.
2.	Domestic effluent	4 CMD.	As per Schedule-I	On and for gardening

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

Sr. no.	Description of stack / source	Number of Stack	Height Mtrs	Standards to be achieved
1.	Waste Heat recovery boiler(1&2)	1	32.5	As per Schedule-I
2.	Waste heat recovery boiler(3&4)	1	32.5	As per Schedule-I
3.	A.F.B.C. boiler	1	80	As per Schedule-I
4.	DG Set 500 KVA	1	6	As per Schedule-I

6. Conditions about Non Hazardous Wastes:

Sr. no.	Type Of Waste	Quantity & UoM	Treatment	Disposal
1	Boiler ash	75 Mt/day	--	For bricks and cement Mfg.

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	Nil					

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.

For and on behalf of the  
Maharashtra Pollution Control Board

(P. K. Mirashe)  
Member Secretary

Received Consent fee of -

Sr. No.	Amount (Rs.)	Chq. No.	Date	Drawn On
1.	2,50,000/-	007575	26/11/2014	UBI
2	1,00,000/-	007761	05/01/2015	PNB
3	73,000/-	007785	09/01/2015	PNB

Copy to:

1. Regional Officer - Chandrapur and Sub - Regional Officer - Chandrapur MPCB, Chandrapur. 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 application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of not mentioned.
- B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

Sr No.	Parameters	Standards prescribed by Board (If any)
	<b>I. Compulsory Parameters</b>	<b>Limiting Concentration in mg/l, except for pH</b>
01	pH	6.0-8.5
02	Oil & Grease	10
03	BOD (3 days 27oC )	100
04	Total Dissolved Solids	2100
	<b>For Condenser Cooling Water</b>	
06	Temperature	Not to exceed 5 Degree C
07	Free available chlorine	0.5
	<b>Boiler Blow Down</b>	
08	Suspended Solids	100
09	Oil & Grease	20
10	Copper (Total)	1
11	Iron (Total)	1
	<b>Cooling Tower Blow Down</b>	
12	Free available chlorine	0.5
13	Zinc	
14	Chromium (Total)	0.2
15	Phosphate	5
	<b>DM Plant Effluent</b>	
16	pH	5.5 to 9
17	BOD 3 Days 27 Deg C	30
18	COD	250
19	Suspended Solids	100
20	Oil & Grease	10
21	TDS	2100

- C) The total treated effluent shall be recycled / reused for ash handling, coal handling, dust suppression etc There shall not any discharge outside factory premises.
- 2) A.] As per your consent application, you have provided the septi tank soak pit for sewage effluent.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
- |                       |               |     |       |
|-----------------------|---------------|-----|-------|
| (1) Suspended Solids. | Not to exceed | 100 | mg/l. |
| (2) BOD 3 days 27oC.  | Not to exceed | 100 | mg/l. |
- C] The treated domestic effluent shall be soaked in soak pit, which shall be got cleaned periodically. Overflow, if any shall be used on land for gardening.

- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks 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 and extension or addition thereto.
- 4) The industry 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.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water cess returns in Form-I and other provisions as contained in the said act.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	1723.2
2.	Domestic purpose	8
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	558
4.	Gardening	80

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

*[Handwritten signature]*

**Schedule-II**

**Terms & conditions for compliance of Air Pollution Control:**

1. As per your application, you have provided the Air pollution control (APC) system and also erected following stack (s) to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO <sub>2</sub> Kg/Day
1	WHRB 1&2	ESP/ STACK	32.5	Waste gas	30000CuM/ Hr/Boiler	---	---
2	WHRB 3&4	ESP/ STACK	32.5	Waste gas	30000CuM/ hr/Boiler	---	---
3	AFBC	ESP/ STACK	80	Coal/Char	560Mt/day	0.5%	5600
4	DG Set 500 KVA		6	--	---	---	---

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:

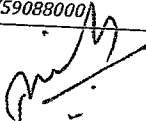
Particulate matter	Not to exceed	100 mg/Nm <sup>3</sup> .
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3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration 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. Control Equipments:
- Electrostatic Precipitator of sufficient capacity provided to each Boiler and any other sources of particulate matter shall be operate and maintain so as to ensure that TPM emission do not exceed 100 mg/Nm<sup>3</sup>
  - Dust collection system and automatic water sprinkler system provided to Coal Handling Plant shall be operate and maintain continuously.
  - Dust collector of sufficient capacity provided to coal crusher and any other sources of SPM shall operate and maintain continuously.
  - There shall not be any fugitive emission from coal storage yard.

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

Sr. No.	BG Code	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
	PNC1			Handling and disposal of flyash		
1	PAO1	10/- Lakhs	15 Days	Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards.	Monthly	31.12.2017
2	PWO1	5/- Lakhs	15 Days	Towards Operation & Maintenance of the Effluent Treatment Plant to achieve disposal standards.	Monthly	31.12.2017

Maharashtra Pollution Control Board



- 17) 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
- 18) The industry should not cause any nuisance in surrounding area.
- 19) 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.
- 20) The applicant shall maintain good housekeeping
- 21) 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
- 22) 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.
- 23) 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.
- 24) 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.
- 25) The industry shall submit quarterly statement in respect of industries' obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
- 26) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 27) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
- 28) The industry shall comply with the notification issued by MoEF for utilization of fly ash from coal or lignite based thermal power plants dated 14<sup>th</sup> September, 1999 and as amended on 3<sup>rd</sup> November, 2009.
- 29) Industry shall provide dry fly ash handling & collection system and utilize the fly ash as per the fly ash notification of the Govt. of India
- 30) The use of beneficiated coal as per GOI Notification shall be implemented. Transportation of coal shall be carried out through trucks by covering tarpolin properly

till the Rly facility from Walgaon to factory site is provided. Fly ash shall be by transported through bunker having closed system, coal carrying conveyor belt shall be covered from all side with provision of water springing/spraying system properly.

- 31) The applicant shall Operate online opacity meter/continuous monitoring system for process stack emission analysis & same shall be directly connected to MPCB website <http://mpcb.gov.in> as well as to the respective Regional Office within 3 months period and operate the same regularly.
- 32) The applicant shall Operate four continuous automatic ambient air and micrometeorological monitoring station at location indicated by MPC Board to be set up and operate at its own cost for measurement of SO<sub>2</sub>, NO<sub>x</sub> and particulate matter. These CAAQMS shall also have necessary provision of networking to the Air Quality Monitoring network of MPCB.
- 33) They shall promote adoption of clean coal and clean power generation technologies.
- 34) The coal handling system shall be covered with proper hooding and ventilation arrangements connected to dust suppress agent so as not to allow any fugitive emissions.
- 35) If due to any technological improvements 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.

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