

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai - 400 022

Consent order No :- BO/JD(APC)/EIC No: CH-1732-15/R/CC-13073 Date: 15/10/2015

To,  
M/s ACB (India) Limited,  
Survey No: 11 & 18, Village: Pandharpauni,  
Tal: Rajura, Dist: Chandrapur.

Subject: Consent to Renewal + Expansion in production - RED category.

- Ref: 1. Earlier Consent granted vide no. BO/JD(APC)/EIC No. CH-1656-14/R/CC-4744, dtd: 20/05/2014.  
2. Earlier Consent granted vide no. BO/PCI-II/RO-NG/EIC No: NG-0877-06/E/CC-508, dt: 16/04/2007.  
3. Minutes of CC meeting held on 15/09/2015.

Your application No: CO1505000064, Dated: 07/05/2015.

For: Consent to Renewal 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 upto: 31/03/2017.
- The proposed and/or actual capital investment of the industry is Rs. 35.12 Crs. (As per CA certificate submitted by industry along with consent application).
- The Consent is valid for the manufacturing of -

| Sr. No.  | Product / By-Product Name | Maximum Quantity |
|--|---------------------------|------------------|
| 1  | Pandharpauni Coal Washery | 2.6 MTPA         |
| (Also Expansion from 1.6 MTPA to 2.6 MTPA in project area of 6.86 Ha.) |                           |                  |

- 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    | 32.0                                  | As per Schedule -I       | Recycle  |
| 2.      | Domestic effluent | 3.0                                   | As per Schedule -I       | land     |

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

| Sr. no. | Description of stack / source            | Number of Stack | Standards to be achieved |
|---------|--|-----------------|--------------------------|
| 1.      | Scrubber attached to coal crusher/screen | 01              | TPM                      |
| 2.      | DG set 3 x 380 KVA                       | 03              | TPM                      |
| 3.      | DG set 1x 100 KVA                        | 01              | TPM                      |

6. Conditions about Non Hazardous Wastes: NIL.

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

| Sr. No. | Type Of Waste    | Category | Quantity  | Treatment | Disposal                                    |
|---------|------------------|----------|-----------|-----------|---|
| 1       | Used / Spent Oil | 5.1      | 40 Ltrs/A | ---       | CPCB/SPCB authorized re-processors/recycler |

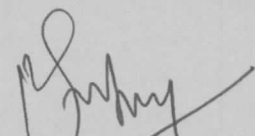
8. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.

10. Industry shall comply with conditions mentioned in Environment Clearance granted vide No: J-11015/949/2007-IA.II (M), dt: 19/02/2015.

11. This consent is issued with the overriding effects to earlier consent issued vide no: BO/JD(APC)/EIC No. CH-1656-14/R/CC-4744, dtd: 20/05/2014.

For and on behalf of the  
Maharashtra Pollution Control Board,

  
(Dr. P. Anbalagan, IAS)  
Member Secretary

Received Consent fee of -

| Sr. No. | Amount (Rs.) | DD. No. | Date       | Drawn On   |
|---------|--------------|---------|------------|------------|
| 1       | 100/-        | 002040  | 27/02/2015 | ICICI Bank |
| 2       | 75,000/-     | 023141  | 07/03/2015 | PNB        |
| 3       | 75,000/-     | 023153  | 13/03/2015 | PNB        |
| 4       | 75,000/-     | 023199  | 04/05/2015 | PNB        |

(Balance fees with Board will be considered at the time on next renewal).

Copy to:

1. Regional Officer, MPCB, Chandrapur and Sub-Regional Officer- MPCB, Chandrapur- You are hereby 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

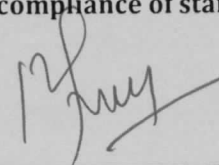
#### Terms & conditions for compliance of Water Pollution Control:

- 1) A] The coal washeries shall maintain the close circuit operation with zero effluent discharge.
- B] If in case due to some genuine problems like periodic cleaning of the system, heavy rainfall etc. it become necessary to discharge the effluent of sewer/ land/ stream then the effluent shall conform to the following standards at the final outlet of the coal washery, for that the applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards :

| Sr No. | Parameters                      | Standards prescribed by Board (If any)        |
|--------|---------------------------------|---|
|        | <b>I. Compulsory Parameters</b> | Limiting Concentration in mg/l, except for pH |
| 01     | pH                              | 5.5-9.0                                       |
| 02     | Oil & Grease                    | 10  |
| 03     | BOD (3 days 27oC )              | 30  |
| 04     | Total Dissolved Solids          | 2100  |
| 05     | Phenolics (C6H5OH)              | 1.0   |
| 06     | Suspended Solids                | 100   |
| 07     | COD                             | 250   |
| 08     | Chloride                        | 600   |
| 09     | Sulphate                        | 1000  |

- C) **Trade Effluent Disposal:** The treated effluent shall be recycled in the process completely to achieve zero discharge of effluent. There should not be any discharge outside the factory premises.

- 2) A.] As per your consent application, you have provided septic tank followed by soak pit.
- 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 sewage shall be soaked in a soak pit, which shall be got cleaned periodically.
- D] In case the treatment system is combined for trade effluent and sewage then the standards and disposal path prescribed at sr. no.1 B & C of schedule I shall be applicable.
- 1) 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.
- 2) 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.



- 3) 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                                       | ....                             |
| 2.      | Domestic purpose   | 4.0                              |
| 3.      | Processing whereby water gets polluted & pollutants are easily biodegradable                   | 45.0                             |
| 4.      | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | -----                            |

- 4) 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]*

*Maharashtra Pollution Control Board*

**Schedule-II**

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

1. As per your application, you have proposed to install/ provided the Air pollution control (APC) system and also proposed to erect / erected following stack (s) and 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       | Scrubber provided to coal crusher and screen | Scrubber   | 30              | --           | --             | --  | --                     |
| 2       | DG set (3 x 380 KVA)                         | --         | 4.5* each       | Diesel       | 10 Lit/hr.     | 2   | 4.8                    |
| 3       | DG set (1x 100 KVA)                          | --         | 2.5*            |              |                |     |                        |

(\* Above roof top of the building in which it is installed)

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time / Environmental Clearance / CREP guidelines. (Concern section shall mention specific control equipments)
3. 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 mg/Nm <sup>3</sup> . |
|--------------------|---------------|--------------------------|

**A] Control Equipment:**

- i) Coal handling plant shall be provided with Dust Collector, complete dust extraction arrangement and Automatic Water Sprinkler with fog nozzles shall be provided where necessary for dust- suppression. Dust generation points / machinery shall be covered by hoods.
- ii) Bag filters of sufficient capacity shall be provided to coal crusher, pulverizes & all sources of dust emission and operate it properly.
- iii) Spraying of water through mist sprays and water curtains on all working area, dump area, stock piles.
- iv) Coal shall be properly covered during transportation.
- v) The applicant shall carry out tree plantation along road side.
- vi) All internal roads shall be paved and well maintained to prevent dust emissions.
- vii) Overloading of dumpers shall be avoided to prevent spillages.
- viii) Water or Water mixed chemical shall be sprayed at all strategic coal transfer points such as conveyors, loading unloading points etc. As far as practically possible conveyors, transfer points etc. shall be provided with enclosures.
- ix) The crushers/ pulverisers of the coal washeries shall be provided with enclosures, fitted with suitable air pollution control measures and finally emitted through a stack of minimum height of 30 m., conforming particulate emission standard of 150 mg/Nm<sup>3</sup> or provided with adequate water sprinkling arrangement.
- x) Water sprinkling by using fine atomizer nozzles arrangement shall be provided on the coal heaps and on land around the crushers/ pulverisers.
- xi) Area, in and around the coal washery shall be pucca either asphalted or concreted.
- xii) Green belt shall be developed along the road side, coal handling plants residential complex, office building an all around the boundary line of the coal washery.
- xiii) Storage bunkers, hoppers, rubber decks, in chutes and centrifugal chutes shall be provided with proper rubber linings.

- xiv) Vehicles movement in the coal washery area shall be regulated effectively to avoid traffic congestion. High pressure horn shall be prohibited. Smoke emission from heavy duty vehicle operating in the coal washeries should conform the standards prescribed under Motor Vehicle Rules 1989.
- xv) The coal transportation shall be done by conveyor system wherever possible or mechanically covered vehicles shall be provided for transportation of coal.

**B] Fugitive emission standards:**

The difference in the value of suspended particulate matter, delta (D), and measured between 25 and 30 meter from the enclosure of coal crushing plant in the downward and leeward wind direction shall not exceed 150 microgram per cubic meter.

**C] Standards for Ambient Air Pollutants:**

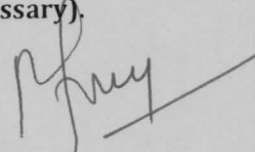
|       |  |               |                       |
|-------|--|---------------|-----------------------|
| (i)   | Suspended Particulate Matter [SPM]                                     | Not to exceed | 150 ug/m <sup>3</sup> |
| (ii)  | Respirable Particulate Matter [RSPM]<br>[Size less than 10 micrometer] | Not to exceed | 100 ug/m <sup>3</sup> |
| (iii) | Sulphur Dioxide (SO <sub>2</sub> )                                     | Not to exceed | 120 ug/m <sup>3</sup> |
| (iv)  | Oxides of Nitrogen (NOx)   | Not to exceed | 120 ug/m <sup>3</sup> |

**D] Noise level standard:**

- Operation/ Working zone-not to exceed 85 dB(A) Leq for 8 hours exposure.
- The ambient air quality standards in respect of noise as notified under Environmental (Protection) Rules, 1986 shall be followed at the boundary line of the coal washery.
- The applicant shall take adequate measures for control of noise levels from its own sources as follows:

| Sr. No. | Location   | Permissible Norms [in dB(A)] | Desired minimum thickness of Green Belt |
|---------|------------|------------------------------|---|
| 1       | Along road | 65 (Commercial Area)         | 20                                      |
| 2       | Near CHPs  | 75                           | 30                                      |

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement well before its life come to an end or erection of new pollution control equipment.
5. 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).



**Schedule-III  
Details of Bank Guarantees**

| Sr. No. | Consent (C to R) | Amt of BG Imposed | Submission Period | Purpose of BG   | Compliance Period | Validity Date |
|---------|------------------|-------------------|-------------------|---|-------------------|---------------|
| 1       | Renewal consent  | Rs. 5.0/- Lakh    | Extended          | Operation and Maintenance of Pollution Control System so as to achieve the consented standards. | 31/03/2017        | 31/07/2017    |

*M. J. Jay*

Maharashtra Pollution Control Board

## Schedule-IV

### 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 shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled
- 8) /processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 9) 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.
- 10) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 11) The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent (in case of Renewal of consent).
- 12) 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.
- 13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.
- 16) 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
- 17) The industry should not cause any nuisance in surrounding area.
  - 18) 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.
  - 19) The applicant shall maintain good housekeeping.
  - 20) 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.
  - 21) 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.
  - 22) 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.
  - 23) 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.
  - 24) 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).
  - 25) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.

**Specific Condition -**

12. **Transportation of mineral shall be by closed system, Conveyor system wherever possible.**
13. **Coal Washeries shall follow the conditions of the Ministry of Environment & Forests, Government of India's Notification No.Q.15017/13/95-CPW, dated 27th January, 1999 strictly.**

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