

# MAHARASHTRA POLLUTION CONTROL BOARD

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Chandrapur - 442401

Orange/LSI

Date: 27/04/2017

Consent No: RO-CHANDRAPUR/CONSENT/ 1704001212/182/2017

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 & Trans-boundary Movement) Rules 2008

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

.....  
CONSENT is hereby granted to

M/s. ACB (India) Limited,  
S. No. 11 & 18, Village - Pandherpouni,  
Tal. Rajura, Dist. Chandrapur.

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 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: 31/03/2027.

2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
1	Beneficiated Coal	174000	MT/M
2	Coal Fines	2675	MT/M
3	Coal Rejects	41900	MT/M

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 32.0 M<sup>3</sup>.  
(ii) The daily quantity of sewage effluent from the factory shall not exceed 3.0 M<sup>3</sup>.

(ii) Trade Effluent : Treatment : The applicant shall provide comprehensive treatment system consisting of Primary/Secondary and or Tertiary as is warranted with reference to effluent quality and operate and maintain the same continuously as to achieve the quality of the treated effluent to the following standards:

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l
3)	BOD 3 days 27 °C	Not to exceed	100 mg/l
4)	Oil & Grease	Not to exceed	10 mg/l
5)	Total Dissolved Solids	Not to exceed	2100 mg/l
6)	Chlorides	Not to exceed	600 mg/l

- vi) 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.
- vii) D. G. Set shall be operated only in case of power failure.
- viii) The applicant should not cause any nuisance in the surrounding area due to operation of D. G. Set.

**c. Fugitive emission standards:**

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

**d. Noise Level Standards:**

- 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 allowed at the boundary line of coal washery.

**6. Standards for Stack Emissions:**

TPM	Not to exceed	150 Mg/Nm <sup>3</sup>
SO <sub>2</sub> (Boiler)	Not to exceed	5.0 Kg/Day

**7. Standards for Ambient Air Pollutants:**

(i)	Suspended Particulate Matter [SPM]	Not to Exceed	150 µg/m <sup>3</sup>
(ii)	Respirable Particulate Matter [RSPM]	Not to Exceed	100 µg/m <sup>3</sup>
(iii)	Sulphur Dioxide (SO <sub>2</sub> )	Not to Exceed	120 µg/m <sup>3</sup>
(iv)	Oxides of Nitrogen (NO <sub>x</sub> )	Not to Exceed	120 µg/m <sup>3</sup>

- (i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	Diesel	10.0	Kg/hr

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

Sr. No.	Chimney Attached To	Height in Mtrs.
1	Bag filter attached to screen & crusher	30.0
2	D. G. Set (3 x 380 KVA)	4.5

(\* = above height of building where D. G. Set is installed)

- (iii) The industry 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



(iv)

**Other Conditions:**

- (a) 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.
- (b) Coal Washeries shall follow the conditions of the Ministry of Environment & Forests, government of India's Notification No. Q.15017/13/95-CPW, dated 27<sup>th</sup> January, 1999 strictly.

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

- (i) The industry shall not generate any hazardous waste.

**9. The application shall comply with the conditions of environmental Clearance granted by MoEF, GOI.**

**10. Industry shall comply with following additional 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 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in





7)	Sulphate	Not to exceed	1000 mg/l
8)	Phenolics	Not to exceed	1.0 mg/l

(iii) **Treated 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.

(iv) **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.

(1)	Suspended Solids	Not to exceed	100	mg/l.
(2)	BOD 3 days 27° C.	Not to exceed	100	mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(vii) **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Reject Coal	41900	MT/M	—	By Sale

(viii) **Other Conditions:**

- 1) The coal washery shall maintain the closed circuit operation with zero effluent discharge.
- 2) Industry should monitor effluent quality regularly.

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:

(i) Domestic purpose	... 04.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable	... 45.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	... 00.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	... 00.00 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. **CONDITIONS UNDER AIR ACT :**

- (i) The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

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, pulverizers & 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/pulverizers of the coal Washeries shall be provided with enclosures, fitted with suitable air pollution control measures and finally emitted through as stack of minimum height of 30 m., confirming 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/pulverizers.
- (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 plant, residential complex, office building and 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 vehicles operating in the coal Washeries should confirm 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. Conditions for D. G. Set:**

- i) Noise from the D. G. set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- ii) 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.
- iii) The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m. and night is reckoned between 10 p.m to 6 a.m.
- iv) 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.
- v) Installation of DG set much be strictly in compliance with recommendations of DG set manufacturer.



the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.

- ix. As 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.
- xiii. The project authorities shall install well designed water sprinkling arrangements including fixed and mobile sprayers for dust suppression.

**11. Bank Guarantee (Existing)**

Sr. No.	Consent (C to E/O/R)	Amount of BG imposed	Purposed of BG	Validity
1	C to R	Rs. 5.0 Lakhs	Towards Operation & Maintenance of PCS so as to achieve consented standard	31/03/2027

**12. The Capital investment of the industry is Rs. 3480.0 Lacs.**

To,  
M/s. ACB-(India) Limited,  
S. No. 11 & 18, Village - Pandherpouni,  
Tal. Rajura, Dist. Chandrapur.

(P. M. Joshi)  
Regional Officer,  
Chandrapur



**Received Consent fee of -**

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	99750/-	PUNBH17083054732	24/03/2017	Punjab National Bank
2	1. As per calculation submitted by SRO Office previous consent fee of Rs. 275250/- is with Board (Total Fee Rs. 375000/-).			