

# MAHARASHTRA POLLUTION CONTROL BOARD

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KALPATARU POINT, 3<sup>rd</sup> Floor,  
Sion-Matunga Scheme Rd. No.8,  
Opp. Sion Circle, Sion (East),  
Mumbai-400 022.

## RED/LSI

Consent No. BO/JD(APC)/EIC No. CH-1238-13/R/CC - 1982 Date: 04/03/2014.  
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 under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary) Rules 2008. [To be referred as Water Act, Air Act and HW (M, H & T) Rules respectively].

CONSENT is hereby granted to

M/s Kartikay Coal Washeries Pvt. Ltd.,  
Plot No.92,93/2, 94-96,98/1,98/2,98/101 & 117,  
Kalamna Road, Tal-Wani, Dist-Yavatmal.

located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW(MH&TM) 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: - 31.03.2016.
2. The Consent is valid for the manufacture of -

Sr.No.	Product	Maximum Quantity
1.	Beneficiated Coal	1,66,667 Ton/month.
2.	Coal Fines	2,314 Ton/month
3.	Coal Rejects	39,349 Ton/month

3. CONDITIONS UNDER WATER (Prevention and Control of Pollution) ACT, 1974:

- (i) The quantity of trade effluent from the factory shall not exceed 43.0 m<sup>3</sup>/day.
- (ii) The quantity of sewage effluent from the factory shall not exceed 4.0 m<sup>3</sup>/day.

- (iii) Trade Effluent:

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 :

1)	pH	Between	5.5 to 9.0
2)	Suspended Solids	Not to exceed	100 mg/l.
3)	BOD 3days 27 Deg. C.	Not to exceed	30 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.
7)	Sulphate	Not to exceed	1000 mg/l.
8)	Phenolics	Not to exceed	1.0 mg/l

(iv) 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 out side the factory premises.

(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.

(1)	Suspended Solids	Not to exceed	200 mg/l.
(2)	BOD 3 days 27° C.	Not to exceed	100 mg/l.

(vi) **Sewage Effluent Disposal:** The treated domestic effluent shall be used on land for gardening / irrigation purpose only.

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

<u>Type of waste</u>	<u>Quantity</u>	<u>Treatment</u>	<u>Disposal</u>
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(viii) **Other conditions:**

1. The coal washery shall maintain the close circuit operation with zero effluent discharge.
2. Industry shall 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 Amended Rules, 2003 there under:

The daily water consumption for the following categories is as under:

(i) Domestic	...	5.0	CMD
(ii) Industrial Processing	...	135.0	CMD
(iii) Spraying / Boiler	...	---	CMD
(iii) Agriculture/Gardening /Fire fighting	...	8.0	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 which is also available on MPCB website at <http://mpcb.mah.nic.in/images/cessform1.pdf>.

5. **CONDITIONS UNDER AIR (Prevention and Control of Pollution) ACT, 1981:**

l) 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/ 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.

- IV) 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

V) **Other Conditions: --**

- (i) 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.
- (ii) 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.

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

(i) The applicant shall handle hazardous wastes as specified below:

Sr. No.	Item No. of Process generating HW as per Schedule-I	Type of Waste	Quantity	Disposal
1	5.1	Spent/used oil	1.0 MT/Month	By sale to CPCB/MPCB authorized reprocessor

(ii) The authorization is hereby granted to operate a facility for collection, storage, transport and disposal of hazardous waste.

7. The applicant shall comply with the conditions of Environmental Clearance granted by MoEF, GOI.

8. **General conditions:**

- (i) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
- (ii) The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant and operate the same in case of power failure to maintain compliance with the terms and conditions of the consent. In the absence of same, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- (iii) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.** 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.
- (iv) The firm shall submit MPCB, the Environmental Statement Report for the financial year ending 31<sup>st</sup> March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30<sup>th</sup> September every year.
- (v) 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. The applicant shall also submit a comparative statement of designed power and chemical consumptions vis-a vis actual power and chemical consumption along with Environmental statement.
- (vi) 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. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.

- (vii) 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- (viii) 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.
9. The Industry shall maintain a daily record of raw material received, finished product sent and material stored in premises, which shall be made available to MPCB officials.
10. The material transportation shall not cause any nuisance.
11. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant.
12. The applicant shall comply the directions issued by Board letter dated 27.10.2010 and the directions issued by Board time to time.
13. The applicant shall implement mechanical close type transportation system for coal & mineral metal transporting trucks.
14. The applicant shall install a continuous automatic ambient air and micrometeorological monitoring station at location indicated by State Board to be set up and operate at its own cost measure 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 website <http://mpcb.gov.in> as well as to the respective Regional Office within 2 months period i.e on or before 30.04.2014.
15. The applicant shall extend the existing BG of Rs.5.0 towards O & M of Pollution Control system & compliance of consent condition for the period up to 30.06.2016 & submit the extended BG to RO MPCB Chandrapur within 15 days.
16. The Capital Investment of the industry is Rs.21.85/- Crores.

For and On Behalf of the  
Maharashtra Pollution Control Board,

  
(V.M. Motghare) 20/11/14  
Joint Director (Air Pollution Control)

To,  
M/s Kartikay Coal Washeries Pvt. Ltd.,  
Plot No.92,93/2,94-96,98/1,98/2,98/101 & 117,  
Kalamna Road, Tal-Wani, Dist-Yavatmal.

Copy to:

- 1) Regional Officer, MPCB, Chandrapur 2) Sub-Regional Officer, MPCB, Chandrapur.  
They are directed to obtain the BG from the industry as per consent condition No.15 and submit the performance report along with the results and compliance of directions issued by Board within one month period.
- 3) Chief Accounts Officer, MPCB, Mumbai-

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2,55,100	003957	11.11.2013	ICICI Bank

- 4) Cess Branch, MPC Board, Mumbai. 5) Master file.