

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion-Matunga Scheme Rd. No.8,
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Mumbai-400 022.

RED/LSI.

Consent No. BO/JD(APC)/EIC No. CH-1295-13/R/CC-5702 Date: 14/06/2014

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 Movement) Rules 2008. [To be referred as Water Act, Air Act and HW (M,H &TM) Rules respectively].

Consent is hereby granted to

M/s Karnataka Emta Coal mines Ltd.,
Plot No.84 Kiloni, Manjari Private Railway
siding Tal Bhadrawati, 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 &TM) Rules 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 valid for the period up to – 30.6.2015.

2. Consent is valid for the following activities-

Sr. No.	Product	Maximum Quantity
	Loading, unloading and handling of raw coal (Railway Siding activity)	2.5 million ton per annum

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

(i) The quantity of sewage effluent from above construction project shall not exceed 2.0 m³/day.

(ii) The daily quantity of trade effluent from the factory shall be Nil.

(iii) Trade Effluent Treatment: N.A.

(iv) Trade Effluent Disposal: N.A.

(v) Sewage Effluent Treatment: The Applicant shall provide a comprehensive sewage treatment plant and treatment as is warranted with reference to influent quality and corresponding mode of disposal and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards: -

(1)	pH	Not to exceed	6.5 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)	COD	Not to exceed	250	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 Waste: - Nil

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

Domestic	5.0 CMD
Industrial processing generating Bio-Degradable waste water	... CMD
Industrial processing generating Non-Bio-Degradable waste water	--- CMD
Industrial Boiler/Cooling etc.	112.0 CMD
Any other and gardening.	5.0 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.

5. CONDITIONS UNDER AIR (Prevention & Control of Pollution) ACT, 1981: -

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:

Standards for emissions of air Pollutants

i)	SPM/TPM	Not to Exceed	150	mg/Nm ³
ii)	SO ₂ (DG set)	Not to Exceed	18.0	Kg/day

(I) The following measure shall be taken.

- Unit shall install appropriate air pollution control equipments at all points of emission.
- Dust collection system and automatic water sprinkler system shall be provided to Coal Handling area.
- There shall not be any fugitive emission from coal storage yard.

- a) Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, SPM, RSPM.
- b) Applicant shall achieve following Ambient Air Quality standards.

1	SPM	Not to Exceed (Annual Average)	140	µg/ m ³
		Not to Exceed (24 hours)	200	µg/ m ³
2	SO ₂	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	80	µg/ m ³
3	NO _x	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	80	µg/ m ³
4	RSPM	Not to Exceed (Annual Average)	60	µg/ m ³
		Not to Exceed (24 hours)	100	µg/ m ³

(II) The Applicant shall observe the following fuel patterns

No.	Type of Fuel	Quantity
1	Diesel	100 lit/day

(III) The Applicant shall erect the Chimney (s) of the following specifications

No.	Chimney attached to DG	Height above roof top of the building in which it is installed.
1	DG set (1x100 KVA)	2.5 mtrs

(IV) **Conditions for DG Sets: -**

1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall 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 shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
3. The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
5. A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

(V) **Other Conditions:**

- a) The Applicant shall provide ports in the chimney 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 chimneys shall be numbered, as S-1, S-2 etc and these shall be painted/ displayed to facilitate identification.
- b) Water spraying shall be done on ground to avoid fugitive emissions.
- c) The industry should not cause any nuisance in surrounding area
- d) The industry should monitor stack emissions and ambient air quality regularly.

(VI) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Daytime is reckoned as between 6 a.m. to 10 p.m. and Nighttime is reckoned between 10 p.m. to 6 a.m.

6. CONDITIONS UNDER HW (M, H & TM) 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
Industry shall not generate any hazardous waste.				

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

7. 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.
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 30th September every year on available open plot area, no. of trees surviving as on 31st 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 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 before 30th 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.
 - (ix) 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.
 - (x) The material transportation shall not cause any nuisance.
9. **The applicant shall implement mechanical close type transportation system for coal transporting trucks and submit the action plan for the same within one month period.**

10. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant;
11. The applicant shall submit the irrevocable operational bank guarantee of Rs. 200000/- drawn in favour of Regional Officer, MPCB Chandrapur within 15 days valid for one year period towards operation and maintenance of pollution control system so as to achieve the consented standards.
12. For railway siding, the applicant shall install rapid loading system in motion for loading of coal in wagons with closed silos for coal storage along with necessary adequate air pollution control facilities on or before 31.12.2014 and submit the irrevocable bank guarantee of Rs. 500000/- drawn in favour of Regional Officer, MPCB Chandrapur within 15 days valid for the period up to 31.5.2015 towards compliance of the same.
13. The capital investment of the Railway siding project is Rs. 22.41/- crores.

For and on behalf of the
Maharashtra Pollution Control Board



(V.M. Motghare)

Joint Director (Air Pollution Control)

To,
M/s Karnataka Emta Coal mines Ltd.,
Plot No.84 Kiloni, Manjari Private Railway siding
Tal Bhadrawati, Dist-Chandrapur.

Copy to:

1. Regional Officer, MPCB, Chandrapur, 2) Sub Regional officer, MPCB, Chandrapur. They are directed to obtain BG as per consent condition no.11 & 12 submit the performance report along with monitoring results and compliance of direction within one month period.
2. Chief Accounts Officer, Mumbai, MPCB,
Received consent fee of

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	25,000	084846	02.05.2013	Bank of India

3. Cess Branch, MPCB, Mumbai.
4. Master file