



BY REGD POST/E-MAIL

OFFICE OF THE
STATE POLLUTION CONTROL BOARD, ORISSA

Parivesh Bhawan, A/118, Nilakantha Nagar, Unit-VIII,
Bhubaneswar - 751 012

No. 5995 /

IND-II-NOC- 5986

Date 26-04-17 /

OFFICE MEMORANDUM

In consideration of the application no. **400682** received through online for obtaining Consent to Establish for **Ib Valley Coal Washery of M/s Mahanadi Coalfields Ltd.**, the State Pollution Control Board has been pleased to convey its Consent to Establish under section 25 of Water (Prevention & Control of Pollution) Act, 1974 and section 21 of Air (Prevention & Control of Pollution) Act, 1981 for manufacture / production of **Washed Coal of capacity 7.46 MTPA and Coal Rejects of capacity 2.54 MTPA respectively** by installation of washery of capacity 10 MTPA raw coal (throughput) over an area of 39.35ha inside the lease hold area of Belpahar OCP of M/s MCL, at Ib Valley in Lakhanpur Area, Village- Chharla (plot No. & Khata No. as mentioned in the application form) in the district of **Jharsuguda** with the following conditions.

GENERAL CONDITIONS:

1. This consent to establish is valid for five years, which means the proponent shall commence construction of the project within a period of five years from the date of issue of this order. If the proponent fails to do substantial physical progress of the project within five years then a renewal of this consent to establish shall be sought by the proponent.
2. The industry shall apply for grant of Consent to operate under section 25/26 of Water(Prevention & Control of Pollution)Act, 1974 & Air (Prevention & Control of Pollution)Act, 1981 at least 3 (three) months before the commercial production and obtain Consent to Operate from this Board.
3. This consent to establish is subject to statutory and other clearances from Govt. of Odisha and/or Govt. of India, as and when applicable.

SPECIAL CONDITIONS:

1. The proponent shall comply to the conditions imposed in environmental clearance issued by MoEF&CC. Govt. of India vide letter no. J-11015/171/2015-IA-II (M), dated 30.03.2017.
2. The proponent shall construct settling pond of adequate size to handle runoff to hold the runoff at least for 24 hours.
3. The proponent shall sign MoUs with different parties for disposal of rejects and

4. The proponent shall submit a detail proposal for groundwater recharge at the time of submission of consent to operate application. Rain water harvesting shall be followed by utilizing the rain water collected from the roof of the administrative buildings for recharging of ground water within the premises as per the concept and practices prescribed by CPCB.
5. The coarse rejects and fine rejects shall be stored separately for further utilisation.
6. The proponent shall provide bag filter at double deck screen/roll crusher to control fugitive emission. The particulate matter emission in the stack attached to bag filter shall not exceed 100 mg/Nm³.
7. The proponent shall provide dry fog system at all strategic points such as coal stack yards, loading and unloading points, all transfer points, conveyors etc. to suppress dust. Fine atomizer nozzles arrangement shall be provided on the coal heaps and on land around the crusher/pulverizers.
8. The proponent shall provide instant showers at the entrance of the haul road in order to prevent dust formation before its dumping into the receiving pit.
9. The proponent shall provide pneumatic jig with spinning dust remover and rotary reversal blowing bag type dust collector for dust extraction.
10. The proponent shall provide green belt along the boundary of plant, road side, coal handling plant, residential complex, office building etc.
11. The proponent shall provide pucca road either asphalted or concreted in and around the coal washery. Dust suppression arrangement shall be provided on haul road by using water sprinklers with suitable chemical dosing as suggested in project report.
12. The consumption of water in the coal washery shall not exceed 1.5 m³/tones of coal in any case.
13. The proponent shall conform to all the commitments made in the environment management plan incorporated in EIA report submitted along with consent to establish application.
14. The proponent shall provide garland drains around the plant boundary and connected to the settling basin in order to prevent wash discharge directly going outside. The proponent shall provide internal drains inside the plant for collection of accumulated rain water which shall be recirculated and reused.
15. Under no circumstance the industry shall discharge wastewater to outside and the industry shall completely recycle the waste water.
16. Domestic wastewater shall be discharged to septic tank via soak pit constructed as per BIS specification.
17. The proponent shall cover the primary impact zone by rubber sheet of 70 mm thickness and the secondary impact zone by 40 mm thickness in order to prevent noise pollution at the coal transfer points.
18. The proponent shall provide polymer sheet of 25 mm thickness at sides of the chutes in all transfer points to control noise pollution.
19. The different in the value of SPM, delta (δ) measured between 25 and 30 meters from the enclosure of coal crushing plant in the downwards and leeward wind direction shall

not exceed $150 \mu\text{g}/\text{m}^3$ when measured by high volume sampler with flow rate not less than $1.1 \text{ m}^3 / \text{minute}$ using upwind down wind method of measurement.

20. During rainy season or periodical cleaning of the systems, the effluent discharged to sewer / land / stream shall conform the following standards at the final outlet of the coal washing. pH = 5.5 – 9.0, TSS = 100 mg/l, Oil & grease = 10 mg/l, BOD = (3 days at 27°C) = 30 mg/l, COD = 250 mg/l, Phenolics = 1.0 mg/l
21. The solid waste such as coal rejects and thickener sludge generated from the unit shall be suitable disposed off separately within the premises or any other designated area as submitted in the solid waste management plan after due approval of the Board so as not to create any dust nuisance or ground water contamination.
22. The ambient air quality standards in respect of noise as notified under EP Rules, 1986 at the boundary line of the coal washing shall conform to the noise limit 75 dB(A) Leq. and 70 dB(A) Leq. During day and night respectively.
23. The civil construction shall be carried out with the fly ash bricks. If the fly ash bricks are not available locally the civil construction may carried out with other bricks with prior intimation to the concerned Regional Office of SPC Board. A statement indicating use of fly ash bricks during construction period shall be submitted to the Board quarterly for record.
24. No production activity shall commence prior to installation of all pollution control measures. In case, it is found that the plant is operating without installation of appropriate pollution control equipment(s) and without permission for trial operation from the Board, a direction of closure shall be issued u/s 31-A of Air (PCP) Act, 1981 and / or u/s 33-A of Water (PCP) Act, 1974 without any further notice in this regard.
25. The Board may impose further condition or modify the conditions as stipulated in this order during installation and / or at the time of obtaining consent to operate and may revoke this order in case the stipulated conditions are not implemented and / or information is found to have been suppressed / wrongly furnished in the application form.

 25/4/11
MEMBER SECRETARY

To,

**The Project Officer,
Ib Valley Coal Washery of,
M/s Mahanadi Coalfields Ltd.,
At/Po- Bandhbahal,
Dist - Jharsuguda.**

Memo No. 5996 /Dt. 26.04.11

Copy forwarded to:

1. The Secretary Steels & Mines, Govt. of Odisha, Bhubaneswar.
2. The District Magistrate & Collector, Jharsuguda.
3. The Director, Directorate of Mines, Govt. of Odisha, Bhubaneswar.
4. The Regional Officer, SPC Board, Jharsuguda.
5. The DFO, Sundargarh.
6. Copy to HSM Cell, SPC Board, Bhubaneswar.
7. Consent to operate section, SPC Board, Bhubaneswar.

