



No. J-11015/28/96-IA.II(M)

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भारत सरकार
पर्यावरण एवं वन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
पर्यावरण भवन, सी. जी. ओ. कॉम्प्लेक्स
PARYAVARAN BHAVAN, C.G.O. COMPLEX
लोदी रोड, नई दिल्ली-110003
LODHI ROAD, NEW DELHI-110003
April 23, 1998

Subject:- Expansion of Balrampur underground coal project of
M/s South Eastern Coalfields Ltd. - environmental
clearance reg.

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The undersigned is directed to refer to the letter No. SECL/BSP/ENV/96 dated 12th April, 1996, 16th October, 1996, 4th February, 1997, 13th May, 1997, 17th July, 1997 and 5th January, 1998 regarding your application for environmental clearance of the Balrampur underground coal project. The Ministry of Environment & Forests has carefully considered your application. It is observed that the project is located in Bistrampur area in the Surguja Distt. of Madhya Pradesh. Total lease area of the project is 555.00 ha of which 82.0 ha is forest land. Forestry clearance under the Forest (Conservation) Act, 1980 has been obtained on 14.7.97. The project involves displacement of 79 families. The targetted production capacity of coal is 0.54 MTPA by Power Support Longwall method and 0.30 MTPA by Bord and Pillar method. No captive power generation is proposed.

2. The Ministry of Environment & Forests hereby accords environmental clearance to the Balrampur Underground Coal Project involving lease area of 555.0 ha as per the Environmental Impact Assessment Notification, 1994 subject to the strict compliance of the terms and conditions mentioned below :

- i. No change in mining technology and scope of working should be made without approval of the Ministry of Environment & Forests.
- ii. No change in the calender plan including excavation, quantum of coal and wastes/OB dumps should be made.

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- iii. The top soil and OB dumps/coal dumps should be stacked in earmarked dump sites only.
- iv. Four ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO₂, NO_x and CO monitoring. Of which one should be near the coal handling plant. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features, environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
- v. Data on ambient air quality should be regularly submitted to this Ministry including its Regional Office at Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months.
- vi. Coal Handling Plant should be provided with adequate number of high efficiency dust extraction system including all the transfer points. Loading and unloading areas should also have proper dust control arrangements.
- vii. Fugitive emissions should be controlled, regularly monitored and data recorded properly. Adequate measures for control of fugitive emissions should be taken during drilling/blasting operations, loading and transport of coal etc.
- viii. Adequate measures should be taken for control of noise levels below the limit of 85 dB in the work environment.
Workers engaged in blasting/drilling operations, operation of HEMM, CHP etc. should be provided with ear plugs/muffs.
- ix. Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422(E) dated 19th May, 1993 and 31st December, 1993.
- x. Acid mine water, if any, has to be treated and disposed of after conforming to the standards prescribed by the competent authority.

- xi. Garland drain of appropriate size should be constructed to collect the surface run-off from the OB dumps and coal dumps. The collected run-off should be diverted to the sedimentation tank.
- xii. Ground water quality should be regularly monitored and the data recorded should be furnished to this Ministry and its Regional Office at Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months.
- xiii. A green belt of adequate width by planting the native species should be raised around the lease area, township, roads, OB dump site, CHP etc. in consultation with the local DFO/Agriculture Department. The density of the trees should be at least 2500 plants/ha.
- xiv. The rehabilitation plan envisaged for resettlement of the displaced families should be strictly implemented as per the norms of Govt. of India/Policy of Coal India Ltd. Half yearly progress report on implementation of resettlement plan should be submitted to the Ministry regularly.
- xv. The project authorities should augment socio-economic community development measures and report should be submitted to the Ministry regularly.
- xvi. Environmental laboratory should be established with adequate number and type of pollution monitoring and analysis equipments in consultation with the State Pollution Control Board.
- xvii. Project authorities should obtain consents under water and Air Acts from SPCB for 1998-99 before implementing the expansion project, mining plan should be got approved from the Ministry of Coal, if not done earlier.
- xviii. Regular monitoring of subsidence movements on the surface over PSLW and B&P working area and impact on water bodies/vegetation/structures/surrounding should be continued till the movement ceases completely. In case of observation of any high rate

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of subsidence movements, appropriate precautionary measures should be taken to avoid loss of life and material. Cracks should be effectively plugged with ballast & clayey soil/suitable material.

- xix. Spontaneous heating and fire in coal dumps should be controlled by proper stacking. Heating spots and fire sites should be watered continuously/regularly as necessary.
- xx. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on necessary safety and health aspects.

Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to coal dust and take corrective measures, if needed.

- xxi. A separate environmental management cell with suitably qualified personnel should be set up under the control of a Senior Executive, who will report directly to the Head of the Organisation.
- xxii. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.
- xxiii. Compliance of the stipulated conditions shall be monitored by the Regional Office of this Ministry located at Bhopal. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.

3. The Ministry or any other competent authority may stipulate any further conditions for environmental protection.

4. Failure to comply with any of the conditions mentioned above could result in withdrawal of this environmental clearance.

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5. The above conditions will be enforced, inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and Public Liability Insurance Act, 1991 along with their amendments and rules.



(K.K. Jain)
Addl. Director

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