
PROJECT SUMMARY OF AMLOHRI O/C PROJECT OF NCL

1.1 Introduction :

Amlohri Opencast Coal mining Project of Northern Coalfields Limited (A subsidiary of Coal India Limited) is located in Moher basin of Singrauli Coalfields. It is located west of Nigahi OCP. The mine is working since 1983-84. It is planned to meet a targeted coal production of 10 Mtpa. This mine has the capacity to increase coal production by 4.0 Mtpa without additional land requirement.

The project has environmental clearance from Ministry of Environment and Forest (MoEF) for a rated capacity of 10.00 Mtpa of coal production vide letter no. J-11015/364/2005-IA.II(M) dated 16th Feb., 2006.

1.2 Location , Topology & Drainage

The project is located in Moher basin of Singrauli Coalfields in Singrauli district of Madhya Pradesh. Project is covered under Topo sheet no. 63-L /12 between latitude 24^o 07' 30" to 24^o 09' 30" North and longitudes 82^o 34' 30" to 82^o 36' 30" East.

The project is well connected to Sidhi in MP about 90 km and Varansi in UP about 240 km. The nearest Railway Station is Shaktinagar in UP about 22 km and Singrauli in MP on the Obra-Katni branch line of Eastern Railway which is about 30 km away and is approachable by an all weather roads.

The area is undulating and hilly terrain. The elevation varies from 140m to 470m above MSL(Mean Sea Level). The drainage of the area occurs through Amjhar nallah on the west & a seasonal nallah in the east which joins the river kachani on the south.

1.3 Salient Features

The project is designed to produce 10.00 Mtpa of coal from the four working seams namely, Purewa Top, Purewa Bottom, Purewa Merge and Turra, with an average stripping ratio of 4.18 m³/t. The gradient of the seams varies from 2^o to 5^o .The average grade of coal is C,E & F.

The project is linked to serve Rihand Thermal Power Station. Total land requirement was estimated as 2175 ha, out of which 1195ha is forestland, 898ha is tenancy land and 82ha is Govt/wasteland. It has an excavation area of 780 Ha with a life of about 32 years.

The project is being worked by combined mining system deploying dragline and shovel dumper combination. The ultimate working depth has been estimated as 165m. The total O.B. during the mine life has been estimated as 1314.87 Mm³, out of which only 185 Mm³ is proposed to dump externally and balanced as backfill internally. The overall dump slope will be kept at 28^o to prevent dump slide.

The balance mineable coal left in Amlohri OCP as on 31.03.2014 is 206.26 MT. Corresponding to this, the balance life of Amlohri opencast is 22 years (up to 2035-36), and the life will decrease by 6 year if 4.0 Mtpa increase in capacity is proposed.

1.4 Purpose of the report

This application has been made as per the MoEF OM No.J-15012/30/2004.IA.II (M) dated 30.05.2014 for grant of prior Environmental Clearance (EC) for increased capacity by 4.0 MTPA of Amlohri OCP to 14.0 MTPA considering the following points.

- A Amlohri OCP has got the capability of producing coal by 4.0 MTPA higher than 10.00 MTPA, with higher utilization of plant & machinery.
- B The total leasehold area as per earlier approved EMP is 2175.00 Ha (extra land is not required and the forestry and other clearances have already been obtained).
- C No change in technology is proposed.
- D No change in backfilling & land reclamation programme will take place. Amlohri OCP has one of the best land reclamation plans and the same shall continue after including the increased capacity of the mine to 14.0 MTPA also.
- E The total approved manpower is 2409 (3 shift working), no increase in which is proposed.
- F The grade of coal is grade C ,E & F and the linkage of coal is to M/s Rihand Thermal Power Station of NTPC in North India.
- G The mine-able coal reserves was estimated to be 314.46 MT and the average stripping ratio is 4.18 m³/T. Approximately 206.26 Million Tonne of mineable coal reserve is left to be mined as on 31.03.2012.
- H Due to the increasing demand of coal for the nation, it is requested to consider the proposal for grant of environmental clearance from MOEF for increased capacity of 14.0 MTPA (from 10.00 MTPA normative capacity to increased capacity of 14.0 MTPA).

Therefore this project qualifies for EC as per the MoEF OM No.J-15012/30/2004.IA.II (M) dated 30.05.2014 for inclusion of peak capacity production from 10.00 MTPA to 14.0 MTPA.

The filled up application in Form-I & this summarized EIA/EMP of the Project are put up for due diligence of EAC for inclusion of 4.0 MTPA MTPA increase in capacity of existing & approved capacity of 10.0 MTPA to 14.0 MTPA for Amlohri OCP.

1.4 Detail of Last Public Hearing

The last public hearing for approval of 10.00 MTPA project was held on 10.06.2005 at Townhall ,Waidhan near the project site conducted by MPSPCB.

1.5 Need for revised Environmental Clearance

1. The project has already obtained Environmental Clearance for 10.00 Mtpa vide MoEF letter No. J-11015/364/2005-IA-II(M) dated 16th Feb. 2006. (Ref.Annx.No-I).
There is no change in mining lease area, mining technology, project economics and other project parameters.
2. There is one Court case pending in Waidhan court of law against the Project.
3. There no any Notice given to the project under section 5 of the Environment (Protection) Act. 1986 and section 18 of the Air (Prevention and Control of Pollution) Act, 1981.
4. The increase in production capacity is 4.0 Mtpa which is well within the ceiling as specified in MoEF OM No.J-15012/30/2004.IA.II (M) dated 30.05.2014; As the total transportation of coal is by conveyor and rail only.
5. A comprehensive EIA has been prepared on existing environmental scenario, impact assessment & control measures, disaster management due to increased production.
6. By increasing the capacity of mine from 10.00Mtpa to 14.0 Mtpa, there will be no increase in the pollution load except marginal increase of SPM level which will also within the permissible limit.

The Project authority is monitoring the Environmental Quality to determine the pollution level and ensuring that Ambient Air, Water & Noise quality is kept within permissible limit. It is assessed that there will be no increase in the pollution load and the air quality level due to peak production will be within the prescribed limit.

7. **As because there is**

- **No adverse impact on environment is involved.**
- **No additional Resettlement and Rehabilitation is required.**
- **No additional Land acquisition is required.**

for the incremental production and all the statutory environmental requirements are complied with, therefore, this proposal is submitted for approval for environmental clearance for 14.0 Mtpa in respect of Amlohri OCP of NCL.
