

SCRUTINY COMMENTS ON DRAFT FINAL MINE CLOSURE PLAN IN RESPECT OF MAHABIR MANGANESE MINE (21.246 HA) IN VILLAGE BARABALJORI, DISTRICT SINGHBHUM WEST, STATE JHARKHAND OF SHRI V.K. OJHA, SUBMITTED UNDER RULE 24 OF MCDR, 2017.

TEXT

- 01.** The environmental clearance of dated 14/07/2008 for the target production of 510.72 ha enclosed as annexure 6, but mentioned as annexure 11.
- 02.** The consent to operate dated 24/04/2018 from SPCB enclosed as annexure 8, but mentioned as annexure 13.
- 03.** Item no. 1.4.2: The name of the quarries proposed for production and actual work done should also be mentioned under this item instead of giving numbers.
- 03.** Item no. 1.4.3: Along with location of quarries, the name of the quarries proposed for excavation and actual work done should also be mentioned.
- 04.** Item no. 1.4.21: The survival rate of saplings not mentioned.
- 05.** Item no. 1.4.22: The location of settling pond should be mentioned.
- 06.** Item no. 1.4.26 & 27: There is proposal for quarterly monitoring of air and water in the mine but it is mentioned that monthly monitoring of air and water has been done.
- 07.** Item no. 2.2.3: The validity of certificate of accreditation of R.V.Briggs & Company Pvt. Ltd. expired on 20/07/2018. A valid certificate of accreditation of the laboratory is to be enclosed in the document.
- 08.** Item no. 3.1: The name of the quarry / quarries proposed for development and production during the year 2018-19 & 2019-20 may be discussed under this para. The dimensions of the working & nonworking pits / quarries in the lease area should also be mentioned under this para.
- 09.** Item no. 4.3: The proposed area/location of backfilling and dumping of OB/waste to be generated during the year 2018-19 & 2019-20 may be discussed under this para.
- 10.** Item no. 5.1.6: There is no screening and crushing plant. Also no beneficiation plant is existing. So the case of high pressure atomized water sprinkling is not carried out. Only manual sorting/sizing is done. Same may be corrected accordingly.
- 11.** Item no. 5.1.7: Under item (G) it is mentioned that 800 nos. of plantation per annum is proposed to be done whereas under item 5.1.3 proposal of 400nos. of plantation per annum has been given. Same may be corrected.
- 12.** Item no. 5.1.9: The information furnished under this item in table no. 9 & 10 may be checked and corrected.
- 13.** Item no. 5.1.12: Under disposal of mining machinery, details of the mining machinery furnished in the table such as crusher & screen plant, dust suppression system etc. May be checked and corrected as no crushing & screening and beneficiation plant existing in the lease area.
- 14. Financial Assurance:**
The financial assurance in the form of bank guarantee submitted in the office for Rs 4,27,500/- over an area of 17.1 ha is at the rate of Rs 25,000/- per hectare. The difference amount of Bank guarantee as per revised rate has not been submitted.

PLATES

1. Drawing no.- 3 (Surface plan):

Date of survey not mentioned in the surface plan.

2. Drawing no. 4 & 4A (Geological plan & section):

- i) Proper symbols are not given as per lithologs in geological plan and sections. Also lithology exposed on surface have not been shown clearly.
- ii) The index of manganese ore zone are not shown on the surface of the geological plan whereas same has been shown on its related sections. Ultimate pit limit should be shown in a clear manner.
- iii) Safety barrier, plantation on stabilised dump, road, quarry no., top RL of stabilized dump etc. are not shown in all the geological sections and also in index.
- iv) Ultimate pit limit should be shown with proper benches.

3. Drawing no. 5:

- i) Proposed dump site for dump-3 is not clear.
- ii) Safety barrier, plantation on stabilised dump, road, quarry no., DTH nos. etc. are not shown in section along A-A', E1-E1' and F-F'.

4. Drawing no. 5A:

- i) Proposed plantation during 2018-19 not shown in the index and also in the development plan for the year 2018-19.
- ii) Safety barrier, plantation on stabilised dump, road, quarry no, proposed backfilling. etc. are not shown in section along A-A', E1-E1', H-H' and F-F' and X-X'.

5. Drawing no. 5B:

- i) Proposed plantation during 2019-20 not shown in the index and also in the development plan for the year 2019-20.
- ii) Safety barrier, plantation on stabilised dump, road, quarry no., proposed backfilling etc. are not shown in section along A-A', E1-E1', H-H' and F-F' and X-X'.

7. Drawing no. 9:

Index is not shown properly.

8. Drawing no. 10 & 10A:

- i) The entire mined out area has been shown as backfilled in the conceptual plan. The mRL of backfilling have not been mentioned. As no stabilised dump shall be re-handled, how backfilling over the entire area is feasible have not been clearly shown. The quantity of waste material required for backfilling and its volume etc. are not duly calculated and shown. The backfill requirement for ensuing two years period have not been properly calculated and shown. The sequence of backfilling has not been shown clearly along with manner of procurement of backfill from outside sources or wastes generated in mine. Same may be explained.
- ii) The sections are not drawn properly as per conceptual plan.
- iii) Safety barrier, road, RL, retaining wall etc. are not shown in all the sections.
