

SCRUTINY COMMENTS ONDRAFT REVIEW OF MINING PLAN IN RESPECT OF CHIRODIH BAUXITE MINE (16.59 HA) IN VILLAGE CHIRODIH, DISTRICT GUMLA, STATE JHARKHAND OF SHRI VIVEK GARG SUBMITTED UNDER RULE- 17(2) OF MCR, 2016.

TEXT

(1) In the cover page, the rule no. of preparation of progressive mine closure plan under MCDR, 2017 is not mentioned.

(2) Item 4 of part B at page no 70 may be corrected.

The undertaking given for maintenance of boundary pillars may be corrected.

(3) (i) During the inspection it was observed that numbering of all the boundary pillars in the western side of the lease area was not made as per the numbering made in the surface plan. Latitude and longitude has also not been marked on the boundary pillars. Numbering of boundary pillars may be corrected as shown during inspection and photographs of some of the pillars adjacent to the quarry no. 1 may be submitted.

(ii) During the inspection only few boundary pillars were observed on the eastern side of the lease area. The boundary pillars of the lease area as per the rule may be maintained and photographs of some of the pillars on the eastern side may be submitted.

(iii) The position of two boundary pillars on the western side near the quarry no. 1 was not according to the surface plan. Position of the same may be corrected as per the surface plan.

(4) **Introduction:** i) It is mentioned that the mining operation now postponed in Chirodih lease as per the provision of Rule 24A of MCR, 1960 may be checked and corrected. The State Govt. have issued the order for immediate stoppage of mining which was under deemed extension.

ii) Copy of extension of mining lease area for 2018-19 to 2022-23 over an extent of 16.59 ha from the competent authority has not been enclosed in the document.

(5) Exploration (Page: 05):

i) Under the exploration proposed, it is mentioned that the allocation of proposed boreholes is shown in the geological plan (plate no. 4) is not correct. No such boreholes shown in the plate no. 4. The plan may be revised.

ii) There was proposal for drilling of 5 (five) coring type bore holes during the year 2012-13 as per the approved mining plan dated 04/04/2012 for the period from 2008-09 to 2012-13. The reason for not achieving the proposed exploration as per the approved mining plan has been mentioned as 'mine was not in working condition for want of consent to operate letter from State Pollution Control Board during proposed exploration period' is not correct. The mine was under operation up to 2013-14 (16/09/2014) as per Form E submitted along with the document. Therefore the status / remarks given for the proposed exploration may be revised accordingly.

(6) Mine Development (Page: 06):

Under the para status of Mine development, it is mentioned that 'during plan.....waste was generated due to want of consent to operate from State Pollution Control Board during proposed exploration period'. So mine was not in working condition' is not correct. The para should be revised.

(7) Overburden removal & Exploitation (Page: 07):

The mining operation has been discontinued as per the order of DMO, Gumla vide his letter no. 797/M dated 10/09/2014. But production was not reported during the year 2012-13. If the mine was not under operation during the year 2012-13, copy of the notice of such discontinuance of mining operation is required to be submitted.

(8) Afforestation (Page: 08):

There was no plantation during the mining plan period from 2008-09 to 2012-13. The reason given for not achieving the proposed plantation is not acceptable.

(9) Control of dust Page 9):

The sentence is incomplete.

(10) Noise and ground vibration (Page no. 9):

The sentence 'The distances of installations from the quarries are considerable' is not clear. The para may be modified.

(11) Mine Development (Page no. 10):

The mine was under operation during the year 2014-15 and there was production of 22980.615 tonnes of bauxite from the mine. The details of production, quantity of OB and waste generated may be given in a tabular form.

ii) The reason given for not submitting the scheme of mining may be revised.

(12) Compliances of violations pointed out by IBM (page no. 11):

The violations pointed out by IBM furnished in a tabular form. The violation letter, show cause notice issued may be clearly indicated. The copy of the violation letter dated 21/02/2017 has not been enclosed.

(13) Details of the prospecting operation already carried out (page no. 16):

i) The quarry no. 4 is located in the southern side of the lease area but location is mentioned as northern side. Same may be corrected.

ii) The pit no. 2 is located in the eastern part of the lease area but location is mentioned as central part of the lease area. Same may be corrected.

(14) Sampling (Page 17):

The analytical result of each DTH hole has been enclosed in annexure 11 but in the text it has been mentioned as annexure 8. Same may be corrected.

ii) The NABL certificate of accreditation along with scope of accreditation of the laboratory 'TCRC' where the samples of boreholes have been analysed has not been enclosed in the document.

(15) Item (f) and (g), (Page 17): MCDR,1988 may be corrected.

(16)i) It is mentioned that the Form 'J' has been submitted on 17/03/2011 but date has not been mentioned in Form 'J' enclosed in the document.

ii) Total area covered under exploration given as 13.722 ha but details not furnished. The para may be revised.

(17) Depletion of reserve (Page 19):

i) Reference of reserve position as on 1/4/2011 has not been given.

ii) Production was reported from the mine during the year 2011-12 and 2013-14. But the production figure furnished in the table under the column depletion of reserve is not matching with the reported production. The figure given under depletion of reserve and balance reserve under the category 111 as on 01/04/2018 may be corrected.

(18) Method of estimation of reserve (Page 19):

i) Details of resource estimation enclosed in annexure 12 but mentioned in the document as annexure 9. Same may be corrected.

ii) Balance reserve of 11,57,277 tonnes under category 111 as on 01/04/2018 is furnished in the table given under item depletion of reserve in page 20 whereas reserve and resource estimated as on 01/04/2018 under the category 111 furnished as 1,62,735 MT in page 23. The variation of reserve calculated as on 01/04/2018 may be explained.

(19) Dump rehandling & Bench design parameters (Page 26):

i) The total figure furnished in the table for year wise handling of dump and estimated recovery of saleable material should be corrected.

ii) Review of mining plan has been prepared for a period of five years but mentioned as four years. Same may be corrected in page 24 and 26.

(20) Financial Assurance (Page 69):

- i) Copy of the Bank guarantee of financial assurance has not been enclosed in the document. The status of old bank guarantee has also not been mentioned.
- ii) Under computation of financial assurance, 11.09 ha mentioned as balance area under use should be corrected as Net area considered for calculation.

(21) There are several typographical errors in the document. Same are to be corrected.

PLATES

(01) Plate No. 3 (Surface Plan):

- (i) Surveyor's signature is missing in the surface plan. The plan should be signed by a competent surveyor.

(02) Plate No. 5 (Environment Plan):

Soil sampling station, Air sampling station and Noise sampling station as shown in the index are not shown in the plan. Same should be marked as per index and the plate may be revised accordingly.
