

Scrutiny comments in respect of Review of Mining Plan w.r.t. Thakurani Iron Ore mine (area 84.68ha) of Sri Padam Kumar Jain in Village Noamundi & Barajamda, Distt. Singhbhum West, Jharkhand, submitted under Rule 17 (2) of MCR, 2016.

A. TEXT

1. On the cover page and in the Text Instead of Rule 17(2), Rule 17(1) of MCR,2016 may be quoted. Accordingly the Consent Letter from the Applicant and Certificate from Qualified Person may be changed.
2. In the Preface, page numbers have not been given. In the Preface, Page 3, second para instead of stating that the Proposal has been given for the year 2017-18, it should be stated that the proposal has been given from 2017-18 to 2019-20.
3. Page 1-i & para1.0 (a) & Page 2-iii: Mobile number of the lessee given is not correct.
4. Page 1-xxx: (a) Life of Mine: Case II, Maximum production in Case I has been given as 2.5million Te., whereas in case II it has been given as 2.25million te. May be reconciled.
(b) Ore Stock at Mine Head given is not correct. Correct Figure of may be given.
5. Page 1-xxviii& Page 1-xxix: In the presentation of Mineral Resources as per UNFC, instead of “Broken”, Brocken has been written. May be reconciled.
6. Page 2-xii, para2.0 (A)(b):-The ROM / Waste Ratio for Non- Forest and Forest during 2017-18 to 2019-20 should be 1:0.33.
7. Page 6-i, para6.0: The mineral Processing Units/ Mobile Screening Units/ Crushing and Screening Units will be of the Mine Owner or the Contractor may be clarified.
8. Page 6-iii, para6.0 (b):- 2(Two) Mobile Screening Plant, 1 (one) Mobile Crusher Plant will be of the Mine Owner or the Contractor may be clarified.
9. Page 7-i , para 7.0(b):- Consequent to The DMO, Chaibasa, Sighbhum West Dist Order Vide Letter No.1453/M dated 04/09/2014, the details of closure of mine w.e.f. 05/09/2014 have not been discussed.
10. Page 7-ii, para7.0 (b) (2) :- (a) The Mining Engineer and Geologist to be employed should have minimum 5(Five) years of Professional experience of working in a supervisory capacity in the field of mining as per Rule 55 of MCDR 2017.
(b) Number of Local employees may be given.
11. Page 8-xviii, para 8.4:-Disaster Management and Risk Assessment: Name of Responsible person and his contact number has not been included.
12. Page 8-xx, para 8.4 (v):-Risk Factor due to Forest Fire may be discussed.
13. Page 8-xxii , para 8.5:- Instead of stating that if the mine will be discontinued temporarily for more than 120 days, notice will be given 30 days before the date of such discontinuance, as per Rule 28(1) of MCDR,2017 ,“Notice in Form E will be given ,when the mining or mineral processing operations in the mine or part thereof is discontinued for a period exceeding ninety days so as to reach the concerned authorities within one hundred and twenty days from the date of such temporary discontinuance, may be stated.
14. Page 8-xxiii, para 8.6: Financial Assurance of Rs. 14795100.00 (Rs. One Crore Forty Seven Lakh Ninety Five Thousand One Hundred Only) valid upto 31/03/2020 have not been submitted.
15. Certificates/undertaking/consent letter should be in Part ‘B’, under Para 9 as per Universal Format.
16. List of Plan and Sections should be submitted as Para 10 of Part ‘B’ as per Universal Format.
17. List of Documents to be annexed should be given as Para 11 of Part ‘B’ as per Universal Format. List of Annexure Number may also be given.
18. Annexure no. XIV:- The CTO dated 25/09/2013 is valid upto 30/06/2014. Valid CTO may be enclosed.
19. Annexure no. XXI:- Deed of Agreement for blasting operation in mines/ quarry has expired on 31/03/2015. Valid deed of agreement for blasting operation in mine /quarries may be given.

Geology & Exploration -

20. Exploration Proposed to be carried out during Plan Period - According to Rule 12(4) of MCDR 2017 ***"In the case of existing mining leases detailed exploration (G1 level) over the entire potentially mineralized area under the mining lease shall be carried out within a period of five years from the date of commencement of these rules."***; in such a case the exploration proposals of the entire area in G1 level should be proposed accordingly.
21. Details of sub-grade mineral (i.e., mineral above Fe 45% and below Cutoff grade of the mine) is to be mentioned along with its utilization and stacking if any.
22. Estimation of Mineral Resource / Reserve –
 - a. Conversion factor – The bulk density of Iron and recovery factor should be based on field test.
 - b. Thickness of ore body – for Inferred (G3) Category – it is mentioned that from probable zone up to litho unit of Iron Ore has been considered as Inferred mineral Resources. Mention how the contact of Litho unit of Iron Ore has been obtained, and a quantity of 1.323 million tons of Iron Ore has been computed and mentioned in Table 1.16 and Table 1.17.
23. Table 1.16 and table 1.17 mention the Year and check the total of Total Mineral Reserves, Total remaining Resources and Total Reserve and Resources, accordingly it should be updated wherever necessary.

Feasibility Report

24. Transportation Cost is mentioned as NIL which cannot be omitted as Ore is being transported out from the mine.
25. Breakup of Royalty and other taxes should be given.
26. Name and Address of the Chattered Accountant is to be mentioned whose services are taken for computation of Cash Flow and also the cash flow calculation.

B. PLATES

1. General: In all the Plan & Sections the Red and Green coloured Boreholes with classification may be given.
2. Key Plan (Plate no.1): (a) The Lease area should be shown in Red Colour.
(b) The southern Latitude has not been shown.
3. Lease Plan (Plate No.2): The Lease plan is not legible. Legible plan may be given.
4. Surface Plan (Plate no. 3) & Geological Plan (Plate no.4): (a) Boreholes have been shown in Red and Green colour. It may be clarified.
5. For the proposed working 2018-19 section line BB' should be cut and shown as it covers the maximum proposed work during the year.
6. For the proposed working 2019-20 section line BB' & CC' should be cut and shown as it covers the maximum proposed work during the year.
7. Dump Plan & Sections (Plate No.7): (i) The colour code for the waste dump during Year 2018-19 & 2019-20 is not matching as shown in the plan.
(ii) The Red and Green coloured Boreholes may be clarified.
8. Environment Plan (Plate no.12): (i) The Red and Green coloured Boreholes may be clarified.
(ii) As per Rule 32(5) (b) of MCDR 2017, instead of 100m line, 60m line may be drawn.