

SCRUTINY COMMENTS WITH RESPECT TO REVIEW OF MINING PLAN & PROGRESSIVE MINE CLOSURE PLAN OF DHOBIL IRON ORE MINE(513.036 Ha) OF M/S SAIL

A. TEXT:

01. The Plan period should be from 2017-18(08/03/2018 to 31/03/2018) to 2021-22. It should be given on the cover page and reconciled at all the relevant Chapters, places of the Plan.
02. On the cover page: (a) the Category of the mine should be mentioned as “A” FM (b) Area in Reserve Forest may be given.
03. Chapter 1.0, Page 1.1, para1.1:- Name of applicant may be given as M/s Steel Authority of India Ltd. and The name of Nominated Owner may be given as Sri Kalyan Maity.
04. The Certificates from the Qualified persons have not been dated. It may be corrected.
05. Page A.1.5, para 1.3.1.2 :- The details of 17 borehole logs of total meterage 1486.20m may be given.
06. Page A.1.6, para 1.4.1.1(v) :- It has been stated that the plans and sections are developed using Auto Cad. But, it appears that it has been prepared using some other software. May be clarified.
07. Page A.1.8, para 1.4.2 :-The Average grade of Iron for Proved, Probable Reserve may be given.
08. Page A.1.5, para 1.3.1.2& Feasibility Report, Page 3, para2.2 :- The details of 17 borehole logs of total meterage 1486.20m may be given.  
Page A. 1.9, The yearwise exploration proposal has not been mentioned. As per rule 12(4) of MCDR, 2017, the detailed exploration (G1 level) over the entire potentially mineralized area under the mining lease shall be carried out within a period of five years. No such proposals have been incorporated in the document.
09. Page A.2.10, para 2.5.5 :-Number of Own Mining Machinery and that of Contractors may be given separately.
10. As per Env.clearance dated 24/01/12 (a) para2 ,the area for green belt and afforestation was kept as 3.921ha but in the mining plan page A.8.27,para 8.6.2 it has been kept as only 2.7ha. It may be reconciled.
11. Page A.5.1, para 5.2 & Page A.6.1,Para 6.1& Feasibility Report, Para5:- Mineral beneficiation:  
Contractual crushing and screening of Iron Ore followed at present have not been discussed and the proposed beneficiation facility to be installed at Manoharpur may be discussed as stated in Pre feasibility Report in para 5.
12. Chapter 5.0 :- Chemical analysis report from NABL approved laboratory has not been given.
13. Page A.8.19to Page A.8.21:- The plant species to be planted may be given.
14. The Name and address of Executing Agency for PMCP has not been given.
15. Page A.8.27 ,para 8.6.2:- (a) In the earlier approved Mining Scheme dated 06/09/2013 the waste dump area at the start of mining was given as 1.97ha,but here it has been given as 1.351ha.Similarly, Mineral Storage area at the start of mining was given as 2.91ha. but in the present Review of Mining Plan it has been given as 3.19ha. Also the Afforestation area at the start of mining was given as 3.034ha, but here it has been given as 2.7ha. Itmay be reconciled. Accordingly Financial Assurance may be calculated and submitted.  
(b) Financial Assurance of Rs 88,23,300/- ( Rupees Eighty eight lakh twenty three thousand three hundred only) valid upto 31/03/2022 has not been submitted.

16. Feasibility study report has not been enclosed. Instead of it Pre –feasibility Study report has been submitted.
17. Instead of Chapter 9, Para 9.0;- Consent Letter /Undertaking/Certificate from the applicant may be written in Part ‘B’ as per the Universal Format.
18. Para 10 should be given for List of Plans and Sections in Part ‘B’ as per Universal Format.
19. Para 11 should be given for List of documents to be annexed in Part ‘B’ as per Universal Format.
20. Annexure 2.1-2 & 2.1-3 are not clearly legible. Fresh copy of the same may be enclosed.

**B. Plans:**

01. General: North Direction has not been shown in all the Plans.
02. CCOM’S Circular 2/10 has not been complied.(a) Geo-referenced DGPS Surveyed Map has not been enclosed.(b) The Geo-referenced mining lease map superimposed on latest high-resolution satellite data (Cloud free) derived from merging of CARTOSAT-2 and LISS-IV (Scale 1:5000)covering an area of 500m from the mining lease boundary, has not been submitted.
03. CCOM’S Circular 1/2014 has not been complied. The Geo-referenced mining lease map superimposed on latest high-resolution satellite data (Cloud free) CARTOSAT-1 or merged data of CARTOSAT-1 PAN and LISS-IV MX in case of non-availability of CARTOSAT-2 data, has not been submitted.
04. Key Plan:
  - (a) Ankua lease has not been shown.
  - (b) Saranda Forest boundary has not been shown in the Legend.
  - © Latitude & longitude of the lease area have not been marked.
05. Surface Plan (Plate no.CET RN 4303 RM 600003) – (a) North direction has not been given.
  - (b) Lease area has not been mentioned.
  - ©Geo-coordinate of the Three ground control point has not been given.
  - (d) The shape and size of Rest Shelter, Canteen & Mine Office should be realistic as per field and.
  - (e) Parapet wall around the Subgrade dump and Fines dump have not been shown.
  - (f) Number of Boundary Pillars should be in clockwise direction.
06. Excavation Plan (Plate no.CET RN 4303 RM 500006 to RM500010) – (a) Excavation plan should be from 2017-18( 08/03/2018 to 31/03/2018) to 2021-22.
  - (b) The scale should be 1:1000 for all the excavation plan.
  - (c) North direction have not been shown.
  - (d) The benches have been shown in zigzag manner. It should be made smooth.
  - (e) Screening plant should be shown on the SW side of the lease area.
  - (f) In the excavation plan for 2018-19, the working face at the end of 2017-18 (08/03/2018 to 31/03/2018) should be shown. Similarly the excavation plan of subsequent years should show the previous years working limit.

- (g) The area lying between different quarries may also be proposed for mining with continuous benches as was proposed in the last approved mining scheme.
07. Geological Plan ( Plate No.CET RN 4303 RM 600004);-(a) Yearwise number of Proposed Boreholes may be given in Tabular form
08. Geological Section ( Plate No.CET RN 4303 RM 600005)(Sheet 1 of 6):-(a) Red and Yellow coloured portion along Section line 3-3' is not clear. It has not been indexed.
09. Geological Section (Plate No.CET RN 4303 RM 600005)(Sheet 2 of 6):-(a) Red and Yellow coloured portion along Section line 4-4' is not clear. It has not been indexed.
10. Geological Section (Plate No.CET RN 4303 RM 600005)(Sheet 3 of 6):-(a) Red and Yellow coloured portion along Section line 7-7' is not clear. It has not been indexed.
11. Geological Section (Plate No.CET RN 4303 RM 600005)(Sheet 4 of 6):-(a) Red coloured portion along Section line 8-8' is not clear. It has not been indexed.
12. Geological Section ( Plate No.CET RN 4303 RM 600005)(Sheet 5 of 6):-(a) Red and Yellow coloured portion along Section line 10-10' is not clear. It has not been indexed.
13. ENVIRONMENT PLAN –( Plate No.CET RN 4303 RM 700014)
- (a) The plan does not show the adjoining area within 500m of the lease boundary of the lease area on the Eastern & SE side.
- (b) North direction has not been shown.
- (c) The heights of the dump have not been shown.
- (d) 2<sup>nd</sup>, 3<sup>rd</sup>, & 4<sup>th</sup> year pit limit has not been shown properly.
- (e) Air, water, noise monitoring stations has not been given.
- (f) Predominant wind direction has not been shown.
14. FINANCIAL AREA ASSURANCE PLAN showing only outlines of the existing working, dumps, stacks etc. covering all the items under the financial assurance table and at the end of 5 year plan period in different colour for the purpose of computation of the areas required to be used in that period to verify the financial assurance including areas considered as reclaimed and rehabilitated has not been submitted.

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