

SCRUTINY COMMENTS ON EXAMINATION OF DRAFT Modified MP IN RESPECT OF Dharmapur Iron Ore MINE (ML.NO.2239) SITUATED IN Sandur TALUK OF Bellary-DISTT OVER AN AREA OF 44.28 Ha (43.58 Ha as per CEC sketch) OF M/s Zeenath Transport Company.

1. The Rule under which document submitted should be checked and corrected as 'Rule 17(3) of MCR 2016' at cover page, introduction and certificate of the lessee.
2. **Para 1(f):--** Documentary proof should be enclosed in support of Mr. G. Harendra as Key person of M/s Transit Surveys.
3. **Para 2(b) :--** (i) Village name mentioned should be checked and corrected. (ii) The co-ordinates of ML area should be checked and corrected w.r.t. enclosed Surface plan. (iii) All relevant plans should also be enclosed in support of compliance of CCOM's Circular No-2/2010.
4. **Para 3.3:--** (i) The earlier approved SOM document was valid upto 03/10/2016 and same has not been discussed / reviewed. (ii) Grand total of afforestation achieved figure is not matching. The same may be checked and corrected at table no-8. (iii) Implementation of earlier PMCP proposals Viz. retraining wall, garland drain, settling pond, Gully plugs etc have not been discussed.
5. **Para 3.6:--** The Rule under which document submitted should be checked and corrected as 'Rule 17(3) of MCR 2016'.

Part-A

Geology & Exploration:--

6. **Para 1(a):--** The minimum elevations encountered in the lease area should be checked and corrected w.r.t. enclosed Surface plan.
7. **Para 1(b):--** The Regional Geology of the area should also be discussed as per Universal format.
8. **Para 1(c):--** (i) Average grade of Iron ore and Lumps to Fines ratio of Iron ore should also be mentioned. (ii) Fe % range of BHQ and possibility of 60% recovery of iron ore from BHQ should be properly justified with enclosed chemical analysis report/study and earlier approved of document
9. **Para 1(k):--** (i) Fe % range of BHQ should be checked and corrected w.r.t. enclosed borehole logs. (ii) The calculation table of reserves / resources has not been enclosed in support of assessments.
10. **Para 1(l):--** The reserves and resources figures as on **1/4/2016** should be furnished at table No-14 as financial year 2015-16 completed. (ii) Fe % range of BHQ should be checked and corrected w.r.t. enclosed borehole logs.
11. **Para 2 (b):--** (i) The detailed year-wise calculation table of production and development has not been enclosed in support (ii) In-situ tentative excavation table should be as per universal format. The Ore to waste ratio should be arrived based on the volume of excavation data. The foot-note of in-situ tentative excavation table of 'Universal format' may be mentioned. However, the total annual production should be within permissible annual production limit of CEC (i.e. 0.12 Million tonnes per annum) and same should be clearly mentioned. (iii) Table of Year-wise production proposals may be incorporated below the table no-15 for easy reference.

12. **Para 2(d)(ii) (page no-26):**-- (i)The burden consider under blasting may be checked and corrected as 2.5 m (ii) **Page no-27:**-- The unit of effective bucket capacity may be checked and corrected as “Cu.m”

13. **Para 2(e) (page no-29):**-- The Working proposals for year 2016-17 should be checked and corrected as “ Sections BB’ to EE’ at text part.

14. **Para 3 (b):**-- The **proposed** maximum and minimum depth of working during present plan period has not been mentioned.

15. **Para 3 (d):**-- (i) The percolation volume calculation of norther side of lease area is not matching. The same should be checked and reconciled. (ii) The quantity of rain water accumulation in exiting pit and their utilization has not been discussed.

16. **Para 4 (a) :**-- Year-wise generation of wastes / mineral reject should be presented in standard table as per “Universal format”. (ii) Utilization of ore of +45% Fe with proper blending should be clearly mentioned in text part.

17. **Para 4(c):**-- The ultimate dump slope should be preferably maintained at 20-22° with individual terraces slopes not exceeding 37°.

PMCP

18. **Para 8.3.5:**-- **Table no-39** (i) Do not leave any column blank. (ii) Gap afforestation for dump management as well as cost for watch & care has not been proposed. (ii) Proposals of Maintenance of existing retaining wall, Check dams & garland drain etc have not been reflected under “Others’

19. **Para 8.6:**--- Reasons for Reduction in infrastructure area may be mentioned in foot-note of Table no- 41.

Part-B:

20. An additional undertaking from lessee stating the time-bound implementation of CEC approved Reclamation & Rehabilitation Plan and monitoring / maintenance of protective measures already implemented, may also be incorporated under para 9.

Annexures:

21. Latest season’s environmental monitoring data have not been appended even though “Working Mine”.

22. **Feasibility Study Report (Annexure-XVI) :**-- (i) **Page No-1:**-- Probable reserves figure should be checked and corrected. (ii) **Para 1:**-- The co-ordinates (Latitude & Longitude) of ML area should be checked and corrected w.r.t. DGPS survey (iii) **Para 7:**-- Export of ore will be as per Government policy. (iv) **Economic Evaluation chapter:**-- (a) Budget for proposed mining should be revised based on royalty of 15% of sale price on ad valorem basis, Payment of 30 % of royalty to District Mineral Foundation & 2 % of royalty to National Mineral Exploration Trust. (b) Page No. 11:--Capital investment for mining and environmental management figure may be checked and corrected. Accordingly, the economic viability of the project may be interpreted.

Plates:

23. Latest combined CEC sketch/ML Sketch and any documents in support of co-ordinates of corner boundary pillars by state DMG may be enclosed.

24. **Plate no 1 (Key Plan):**-- SL. No. of Mining leases in buffer zone to be in-corporated in index table for easy reference.

25. Plate no.4 & 5:---Easy recognizable colour code may be given for BHQ and Iron ore in Geological Plan and sections.

26. Plate No.7 (Composite working Sections) :-- Proposed excavation upto 31/03/2016 may be removed as financial year 2015-16 already completed.

27. Plate No-8(Environmental plan) :-- (i) All existing surface features viz. retaining wall, garland drains, adjacent MLs etc of the adjoining area within 500 meters of the boundary of the lease area, should be properly shown. (ii) Contour lines should be at five meter intervals. (iii) Water-flow direction of Nalla should be properly shown.
