

SCRUNITY COMMENTS ON REVIEW AND UPDATATION OF MINING PLAN IN RESPECT OF VYASNAKERE IRON ORE MINE (ML NO. 2416) OF M/S MSPL LTD., OVER AN AREA OF 354.71 HA.(AS PER CEC), SITUATED NEAR VYASNAKERE VILLAGE, HOSAPETE TALUK, BALLARI DISTRICT OF KARNATAKA STATE

COVER PAGE

1. Name of the document may be corrected as '*Review and Updatation of Mining Plan*'.
2. Rule for submission of the document may be written as under Rule 16(1) of MCR, 2016 for review under Rule 17(1) of MCR, 2016.
3. Cover page should also show category of mine, mine code, registration number, mining lease area, mineral etc.

GENERAL

4. Name of the lessee may be corrected as *M/s MSPL Limited*.

DETAILS OF APPROVED MINING PLAN / SCHEME OF MINING

5. Para 3.3: Review of approved Scheme of Mining in respect of exploration, excavation reclamation etc. should be furnished up to 30.09.2016. Nos. of drilled boreholes during 2012-13 is not furnished in page 6. Exploration done furnished in this para is not matching with para 1.0(e) of Part-A.
6. Para 3.4: Status of compliance of MCDR, 88 for 2016-17 may also be furnished.
7. Para 3.6: Since present document is not submitted for review under Rule 17(3) of MCR 2016, hence justification of modification is *Not Applicable*.
8. Para 3.7: Status (current position) of R & R implementation may be furnished up to 30.09.2016.

PART-A

9. Para 1.0(e)(ii): Details of drilled boreholes during approved Scheme of Mining period (2012-13 to 2016-17) may be furnished in a tabular format duly mentioning *year of drilling, individual borehole ID, type of drilling, azimuth and depth of drilling. Complete borehole logs should be enclosed separately as annexure.*
10. Para 1.0(e) (iii): At least for 10% of total borehole samples should be analyzed from NABL accredited/other government laboratory and copy of analysis reports require to be enclosed with the document.
11. Para 1.0 (k): In section wise calculation of reserve/ resource table, lateral influences of proved reserve (UNFC Cat. 111) along section nos. *NA4-NA4', NA-NA' and M-M' are considered more than 100m, which is not correct.* The same should be restricted a maximum distance of 100m to satisfy G1 stage of exploration. Accordingly reserve/ resources estimation along those mentioned sections may be corrected.
12. Para 1.0 (l): Resources under G2 stage of exploration is not found to be furnished in the table but the same has been mentioned in reserve/ resources estimation (Ref. annexure 11). Latest reserve/ resource may be updated as on 30.09.2016 by depleting ROM production of Sept. 2016.
13. Para 2.0 A (a): Existing geometry of benches, slope and layout of faces, approach to face with their specifications etc. Have not been described. Rectification measures to be proposed to rectify the unsystematic mining, irregular and vertical faces, overhangs, high gradient roads etc. during first year i.e. 2017-18.
14. Para 2.0 A (b): Year wise/ bench wise/RL wise opening reserves, exploitation and closing balance may be tabulated for five years.
15. Specific information as per the heading of the subject may be provided under the para nos. 2.0 (c), 2.0 (d) and 2.0 (e)
16. Para 2.0(c): Partly backfilling of North Eastern pit is proposed during F.Y 2020-21 and 2021-22 (between section nos. NA3-NA3' and NA4-NA4'); entire ore should be mined during first 3 years from

the said area before backfilling. An approval is required from IBM before commencement of backfilling.

Since reserve of the deposit is estimated based on the updated surface profile as on 01.08.2016, therefore production proposals at the end of 2017-18 (or first year) should be calculated as: *remaining proposed production for F.Y. 2016-17(August16 to March17)+ 1.8 million tonnes.* Accordingly, Section-wise production and development calculation for the F.Y. 2017-18 may be corrected (ref. annexure 12 A).

17. Para 2.0 (d): Required and existing capacity of excavators, dumpers/ trippers may be furnished in TPH and tonnes respectively. Tentative availability% of the mining machineries is not discussed.
18. Para 4.0 (c): Year-wise proposed environment protective measures with dimensions and extent should be furnished here in a tabular format (for active and in-active dumps).
19. Para 8.1: Details of existing land use may be updated as per latest surface plan. In page 47, name, distance and population of the villages present in the buffer zone may be furnished in a tabular format.
20. Para 8.3.5: 'Reclamation and rehabilitation by backfilling' is not found to be proposed during F.Y. 2020-21 and 2021-22 in 'summary of year-wise proposals', please clarify.
21. Para 8.6: In Financial Assurance table, total ML area may be corrected as 354.71 Ha. Copy of valid Bank Guarantee, valid till 31.03.2022, may be enclosed with the document.

PART-B

22. Para 10, Plates:

- a) Surface Plan (Plate no. IV): Latitude and Longitude of the boundary pillars may be furnished in this plan.
- b) Production and Development Plans and Sections (Plate nos. VIII A to VIII E): In view of the scrutiny comment as mentioned for para 2.0(c), bench positions at the end of F.Y. 2017-18 may be corrected. Proposed haul road from mine workings to the dumps and proposed year wise afforestation may be demarcated in the plans. Year-wise construction of toe wall along the dump no. 2 is not drawn in the plans, may be corrected accordingly.
- c) Dump Management Plan and Sections (Plate no. IX): This plate may be removed from the document.
- d) Progressive Mine Closure Plan (Plate no. XII): This plate may be removed from the document.
- e) Conceptual Plan and Sections (Plate no. XIII): This plan should be prepared in 1: 2000 scale in accordance with the surface plan.
- f) Financial Area Assurance plan (Plate no. XIV): Outlines of the proposed working, dumps, stacks, etc. covering all the items under the financial assurance table and *at the end of F.Y. 2021-22* may be shown. This plan should be prepared in 1: 2000 scale in accordance with the surface plan.

23. Para 11, Annexure: Following items are required to be annexed with the document:

- a) Copy of the Borehole Logs, drilled during last approved scheme period.
- b) Copy of the borehole sample analysis report (at least 10% samples).
- c) Copy of sample analysis reports for BHQ and other waste.
- d) Corrected section-wise reserve and resource calculation.
- e) Section-wise production and development calculation for the F.Y. 2017-18.
- f) Copy of valid Bank Guarantee, valid till 31.03.2022.
