

SCRUTINY COMMENTS OF DRAFT MODIFICATIONS TO THE APPROVED REVIEW AND UPDATION OF MINING PLAN SUBMITTED FOR APPROVAL UNDER RULE 17(3) OF MCR, 2016 BY M/S NADEEM MINERALS FOR DONIMALAI IRON ORE MINE, M. L NO. 2526, OVER AN EXTENT OF 52.82 HA (AS PER CEC)/ 53.20HA (AS PER LEASE DEED) IN DONIMALAI VILLAGE, SANDUR TALUK, BELLARY DISTRICT, KARNATAKA STATE, PRIVATE/ 'A' ( FULLY MECHANISED /OPENCAST/FOREST/NON-CAPTIVE FOR THE YEAR 2017-18 TO 2020-21.

**COVER PAGE:**

1. The document may be corrected as Modifications and Review of Mining Plan. In the light of the above remarks, the text and the plates may be attended, wherever applicable.
2. The extent of Forest /Non Forest land may be given for clarity.
3. ML expiry as per MMRD Act, 2015 is on 18.07.2056, needs to be specified.
4. Under certificate from the lessee, it should be written as Modification and Review of mining plan, instead of Modification and Review of Scheme of Mining, Qualified person in place of recognized person. Similarly, the same should be attended in Certificate from QP.

**GENERAL:**

1. Para 1 (a): The correct mine code may be given.
2. Para 1 (b): The details of the other leases held by the lessee if any may be given in this paragraph.
3. In page no 8, after para 2(c), 3.00 may be mentioned.

**Part A**

1. Para 1(b): The strike and dip with direction of the Iron ore bands may be mentioned in page no.22 of the document.
2. Para 1(e): (i) This para depicts pits & trenches of prospecting & exploration already carried out and not the dimension of the existing mine working pits. Hence the entire para may be attended appropriately. (ii) The date of additional exploration of 11 boreholes may be given. The outcome the drilling of 11 boreholes may be described. In table no.9, the depth of drilled boreholes is not matching with that in analysis report (Annexure-XVII).(iii)The date of commencement of analysis is not relevant to the date of this report. A copy of certificate from NABL laboratory in which samples have been analyzed may be enclosed. (iv)Year-wise expenditure incurred for various prospecting operations may be furnished in a table.
3. Para 1(j): Updated reserves as on 01.04.2017 may be given in the tabular column.
4. Para 2 A (a): The existing method of operation and the proposed method of operations may be described with respective paras for more clarity. The approach road to the working face, with the gradient, and the dump parameters may be given. Dimensions of the existing working pits may be given in this paragraph.

5. Para 2 A (b) (I): Bench wise & RL wise development & Production proposal may be given in a tabular column.
6. In page 40, under the transport from mine head to destination additional deployment of trucks has not been considered for the adequacy of the trucks.
7. Para 2 (f): In table 23, location & area proposed and survival rate may be added.
8. Para 2 (f): In table 24, location and area of disposal may be added. Under conceptual plan, the details of the conceptual status of the mine (five yearly as well as at the end of the life of the mine) be shown like extent of dumping and the adequacy of dumping space, sub grade, waste dump management, reclamation and rehabilitation, total degraded land etc. may furnished in a tabular column. The area to be explored also should be shown with extent of exploration & completion of the same. Post mining land use pattern may be discussed.
9. Para 6 (b): The various fractions like fines, lumps and rejects generated from the total ROM quantity may be given in a tabular column.
10. Para 8.3.5: Future proposal on protective measures for reclamation and rehabilitation along with the area, quantity and expenditure may be given.
11. Para 8.6: The table 37 for calculation of FA is to be furnished as per prescribed format by retaining the details of the table of previous approved document. The area put to use at the start of the plan period/scheme period is shown as 13.39Ha from the previous approval of 15.61Ha. Undisturbed area, 11.42Ha is shown wrongly in the column, which should be corrected and brought out under appropriate column.

#### **Annexures:**

1. Bore hole logs have not been furnished Showing lithological & chemical analysis and the boreholes logs have not been properly correlated and submitted meaning fully in the text. A fresh report on the analysis of the boreholes may be annexed.
2. R & R approved plan by ICFRE may be annexed.(Gist of the engineering works)
3. In Annexure VII & Annexure X, the letter no. and the date of approval is not same. The same may be corrected in both the letters.
4. In annexure XXI, for the calculation of the volume, the area of influence considered should be based on the distance of the boreholes drilled.
5. The bank guarantee furnished should be as per the area put to use under various head by the end of the plan period calculated @ 3, 00,000/-per Hectare.
6. Feasibility report may be signed by the lessee/Qualified person.
7. Photographs of recent drilled 11RC boreholes may be enclosed.
8. All the annexures should be indicated with ML. No. date, ref. no. etc. for more clarity and easy reference.

#### **Plates:**

1. In all plates, the RQP no. may be replaced by Qualified Person and also in the document.
2. In some plan, the North meridian has not been shown.

3. Demarcation of forest/Non forest land on the surface plan may be made.
4. Location Plan: Location plan needs to be furnished on an administrative map duly highlighting the access roads to the lease area from the nearest town.
5. Key Plan: Nearby ML areas are required to be demarcated in this plan. Wind rose diagram may be drawn on this plan.
6. Surface plan: GCP-2 may be shown in the plan.
7. Geological Plan: (i) The recent drilled 11 boreholes may be shown in distinct red colour. The year-wise proposed boreholes may be shown in other than red colour and accordingly index may be modified.(ii) G1,G2 and G3 level of exploration undertaken in the mining lease area may be shown in the plan. UPL may be highlighted and all the dumps should be outside the UPL.
8. Geological sections: In the sections, all the recent drilled boreholes have not been shown. The collar RL and bottom RL of the boreholes may be shown. UPL may be marked above the lowest RL of the drilled borehole and subsequently the estimation of reserves/resource may be made accordingly.
9. Development & Production Plan: (2017-18) The proposed workings should be highlighted in bold lines and the direction of advancement of benches also needs to be given for clarity upto 31.3.2018. In the light of the above remarks, the other four year's workings should be attended suitably and shown upto 31.3.2021.
10. Conceptual Mining Plan & Sections: The plan and section should be prepared and submitted in a way to present, what would be position of workings, waste dumps, stacks, afforestation and other infrastructure at the end of the life of the mine. Besides, the reclamation and rehabilitation present and the future that is going to be undertaken may be brought out with clarity.
11. Progressive mine closure plan: Afforestation, backfilling and activities mentioned in the approved R & R is to be marked on the plan year-wise and tabular column to be inserted.
12. The EMP plate to be prepared on 1:2000 scale, and may be enclosed.
13. Environment Management Plan: Water monitoring stations W1 to W5 are not shown on the EMP. Also the afforestation to be done year- wise be marked and tabulated in the plan.
14. Financial Area Assurance Plan to be given along with the plates showing outlines of the proposed mine working, dumps, stacks, etc. covering all the items with their respective areas under the financial assurance table, giving breakup area of each activities mentioned in the FA Table No.37 of the text part. Each activity to be shown in different colour in this plate.