

‘SCRUPINITY COMMENTS ON ‘DRAFT MODIFICATION IN THE APPROVED REVIEW AND UPDATION OF MINING PLAN’ IN RESPECT OF RAMANADURGA IRON ORE MINE (ML NO. 2141) OF M/S SRI KUMARSWAMY MINERAL EXPORTS PVT.LTD, OVER AN AREA 59.36 HA. SITUATED IN YESHWANTH NAGAR VILLAGE, SANDUR TALUK, BALLARI DISTRICT OF KARNATAKA STATE

- a) All the headings, subheadings and para nos. should be replicated as per the standard guidelines as given in “*IBM Manual on Appraisal of Mining Plan 2014 in an orderly manner.*
- b) *Repetitions may be avoided by giving reference to para no. & page nos.*

COVER PAGE

1. The name of the document may be given as “Modification in the approved modified Review & Updation of Mining Plan”.
2. Proposed plan period may be changed to modified plan period (text & plates) and financial year may be given instead of month.
3. The address of the mine may be given below the name of the mine.
4. Under Category it is to be mentioned as A (Fully Mechanised)/Opencast/ Private/Forest/Non Captive on the cover page

GENERAL

5. Para 1(a): In this para, the details like phone no., Fax, Mobile No and E-mail ID of the Nominated Owner may be given.

DETAILS OF APPROVED MINING PLAN/MINING SCHEME

6. Para 3.1: The information given in row no 5 & 6 may be verified & corrected accordingly.
7. Para 3.2: Reason for modifications made in the last modification in review & updation of mining plan dated 26.02.2019 may only be enumerated. The reasons for previous modifications may be deleted.

GEOLOGY & EXPLORATION

8. Para 1.0 (e) (i): In this para dimension of pits & trenches related to exploration may be given. Table no.1.11 indicates the dimension of the working pit which may be deleted.
9. Para 1.0 (e) (ii): (i) Type of borehole, diameter, collar level & their grids may be given in table no.1.12. (ii) Areas under various level of exploration including non-mineralized area may be verified & cross checked.
10. Para 1.0 (i): (i) Information of past exploration given in table no.1.15 may be deleted.(ii)On page no.38,it is mentioned that proposed core boreholes will be drilled in unexplored area which is contradictory to the information submitted in table no.1.15.Correction may be done.
11. Para 1.0 (j): (i) Month wise depletion of reserves may be tabulated to arrive Geological reserves & resources as on 1.02.2020.(ii) Reference of the section line in which the change in UPL depth is considered for re-assessment of reserve & resources may be elaborated.(iii) Feasibility report may be removed from text and attached as annexure.
12. Para 1.0 (k): (i) Detailed calculation of reserve/resource furnished in table no.1.21-A may be classified as UNFC with respect to the threshold value notified by IBM & in concurrence to

the information submitted in table no.1.18, 1.23 & 1.24 (ii) Bulk density & recovery considered for each type of material handled may be supported by report of NABL accredited laboratory/Govt. authorized agency. (iii) Lumps & fines ratio may also be discussed.

13. Para 1.0 (l): Sub total & total of reserve & resources may be given.

MINING

14. Para 2.0(a): (i) In Table no.2.3, status of dump D-1 & D-2 may also be given. (ii) Proposed mining method from page no.65 may be deleted.(iii) Year wise production & development proposal may be deleted from this para and placed at para 2.0 (c).

15. Para 2.0(b): (i)The bulk density and recovery factor taken for above calculation may be established on time series data or supported by NABL accredited laboratory test report/ Govt. authorized agency .(ii) Table no.2.9 may be given in Tons.(iii) Section wise & year wise detailed calculation of production & development may be furnished under para 2.0 (c),aligned with table no.2.9 & production & development sections (plate No6) in the appended table below

Year	Area	Sections	Advancement	No of Benches		Level mRL		Working depth	UTM coordinates	
				Ore	Waste	Top	Bottom		Northing	Easting

16. Para 2.0(d): Location Coordinates & area covered by the temporary BHQ may be given

17. Para 2.0(e): (i) Describe briefly the ground preparation for waste dumping & UPL. Reference to the plan & sections may be given. (ii) Calculation for adequacy of shovel, dumper & drills may be given based on the maximum material handled in the modified plan period.

18. Para 2.0(f): (i) Steps & measures proposed to be taken to reclaim the mining lease area including re-grassification at the conceptual stage of mining may be enumerated in brief. Few sections of the same may be enclosed as plates. (ii) Land use pattern at the end of lease period (Row no.7 & 11) may be reviewed & corrected at all places in the text.

19. Para 3.0(b): Maximum & minimum depth of working proposed in the modified plan period may be indicated in mRL.

20. Para 4.0(b): (i)In this Para, it is to clearly state that the dumping ground is proved for absence of mineral supported by bore hole data. (ii) In table no.4.3, year wise area required to accommodate the OB quantity may be given.

21. Para 6.0(g): Activity wise breakup of the requirement of water may be given to form a water balance chart which includes water requirement for dust suppression, watering the plants, water for drinking & other purposes.

22. Para 8.1: Land use pattern (existing, at the end of plan period & at conceptual stage) may be given as per the standard format. The same needs to be rectified at all places in the text.

23. Para 8.3.1: In table 8.8, location coordinates may be given.

24. Para 8.3.5:In summary of the year wise proposal for item 8.3,cumulative no of plants may be filled.

25. Para 8.5: (i) FA table may be given as per the standard format. (ii) Sub garde stacks & in active dump may be covered under mineral storage & waste dump site respectively. (iii) Green belt/safety zone may be placed under the “others” head.

26. PLATES:

- a) Key Map (Plate No.1): Lease area may be marked prominently.
- b) Geological Plan (Plate No.3): (i) Area under G-1, G-2, G-3 & G-4 may be tabulated. (ii) UPL & G1 level of exploration may be marked distinctly. (iii) Proposed boreholes in the modified plan period may be shown with different colour & indexed. (iv)The geological plan may be signed by the surveyor with date.
- c) Geological cross sections (Plate No.4-4C): (i) The G1 shown in the sections may be aligned as the Minerals (Evidence of Mineral Contents) Rules, 2015. (ii) All the existing features falling on the respective section line like dumps, mineral stacks & BHQ Stacks may also be depicted & indexed accordingly. (iii) Geological sections are to be prepared from lease boundary to lease boundary. (iv)Proposed boreholes in the modified plan period may be shown on this plate. (v) The geological sections may be signed by the surveyor with date.
- d) Production & Development Plan (Plate No.5-5B): (i) Year wise progress of BHQ stacking may be shown properly.(ii) The plantation details may be shown. (iii) The existing position of pit “B” may be shown in plate no.5A.
- e) Production & Development sections (Plate No.6): All the proposed features falling on the respective section line like built up of dumps, mineral stacks & BHQ Stacks may be depicted year wise & indexed.
- f) Reclamation Plan (Plate No.8): (i) Proposed Retaining wall may be shown and indexed. (ii)Proposed year-wise afforestation may also be shown with different colours.
- g) Conceptual Plan & Section (Plate No.9 & 9A): (i) Outlines of the various activities with different colours may be shown. (ii) The plate may be altered as per comment placed at point no.18. (iii) The ultimate land use pattern may be given aligned with the conceptual plan & section.
- h) Financial Area Assurance Plan (Plate No.10): Detailed break up of Land Use Pattern of pit, dump, Infrastructure, Green belt, road etc to be given in outlines & with different colour coding. Point no.25 may be referred and corrected accordingly.
- i) A separate plate of waste dump & BHQ dump section may be given.

27. Annexure: Following items are required to be annexed with the document:

- a) Permissible annual production limit of 1.64 million approved by CEC may be enclosed.
- b) In the Consent letter/Undertaking /Certificate from the lessee, the preparation of document & address given are of two different Qualified Persons. The same may be corrected accordingly.
- c) Place & date may be given in the Certificate from Qualified Person.
- d) The photographs may be enclosed as a part of Annexure.
