

SCRUNITY COMMENTS ON MODIFICATION TO THE APPROVED MINING PLAN OF DEOGIRI, SUBBARAYANAHALLI & KAMMATHURU IRON ORE MINE (ML NO. 2678) OF M/S THE SANDUR MANGANESE & IRON ORES LIMITED, OVER AN EXTENT OF 1860.10 HA.(AS PER CEC), AND AS PER ML DEED, IN DEOGIRI, SUBBARAYANAHALLI & KAMMATHURU VILLAGES, SANDUR TALUK, BELLARY DISTRICT OF KARNATAKA STATE. THE ORIGINAL FIVE YEARS PLAN PERIOD IS FROM 2013-14 TO 2017-18, (PRESENT MODIFICATION IS FROM 2016-17 TO 2017-18, i.e FROM AUGUST,16 TO MARCH, 2018) IN FOREST AREA, CATEGORY OF THE MINE IS A (FM- FULLY MECHANISED MINE).

COVER PAGE

1. The original five years approved period followed by the modification period should be given as indicated above. The present document is submitted under rule 16(1) and for approval under rule 17(3) of MCR, 2016. In the light of the above remarks, the text para, annexures and the plates, wherever applicable may be corrected.
2. Name of the deposit need not given separately, which can be joined with Iron & Mn Mine.
3. The ML valid period indicated, which should be added with as per MMDR, Amendment Act, 2015.
4. The extent of the area as per ML deed & CEC must be specified for the total area, instead of indicating only for 1612.72 ha.
5. The RQP certificate number indicated may be deleted and replaced with qualified person in the all the place of the text and the plates, wherever applicable.

GENERAL

6. In the introductory chapter, the present modification is for enhancing the production only and not for the enhancing the reserves/ resources must be emphasized clearly, since the same was enhanced in the previous document approval vide letter dated 1/9/2015. But, the same is not dealt with clarity.
7. In para 3.3, in table-0.1, the review of exploration, for the period 2016-17, upto july, 2016 may be furnished. Similarly, the table-0.2 may be reviewed under excavation for the above period. Review of Reclamation table-0.3 may be dealt upto July, 2016.
8. The consent letter signed by company secretary & Chief General Manager, must be replaced with nominated owner.

PART-A

9. Para 1.0(i): under future exploration programme, in table-1.02, the financial year not indicated with the table & the mine concerned, which should be corrected.
10. The reserves position should be updated with the date of submission of the document, instead of indicating the previous date as 1.4.2015. In the light of the above remarks, other table/ para if any may be attended suitably.
11. In para 2A(a), under method of mining in Manganese ore, the bench height is given as 4 to 7.5m, width range from 7.5 to 25m, whereas in same para in page-20, it is given 7.5m height, width is equal & more than the height of the benches is found to be not appropriate proposals. It is expected that the proposal may be drawn without any contrary or differences. In tables-2.01 & 2.02 need to be modify the proposed production on prorated basis from August,16 to March,2018. In the light of the above remarks, all the

text para, annexures and the plates may be attended, wherever applicable, similarly in Iron ore mining pits may be attended.

12. In para 2(b), for the present modification in the production enhancement, 11 pits were proposed for Manganese production, against previously operated 4 pits, which found to be more than the iron ore pits, just only two pits, why not additional pits considered in iron area to produce iron ore may be explained and reconciled.
13. In table-2.16, under waste holding capacities of each location, given as per R & R approved location/ extent, must be differentiated with the back filling areas for reference.
14. In table-4.01, the 4th & 5th year indicated must be changed to August,2016, to March 2017 to 2017-18,
15. In para 4(b), simultaneous back filling are proposed in some locations, which all must be proved for non-mineralized, through one or two bore holes, not otherwise, through assumption, etc., without which no back filling should be undertaken.
16. In para 8.3.1, under mined out land, the particular of the pits worked out and exhausted from the mineralization must be spelt clearly and identified for future backfilling or for related use.

PART-B

17. Surface Plan (Plate No.05): The original five years proposal period, followed by the current proposal period must be indicated on the plate i.e August, 2016 to March, 2018 and also in all the plate for reference. Besides, the notations used on the plan and the one shown in the index part are not matching, especially between working and non-working pits, waste dumps, active and inactive dumps must be specified with color code for clarity. In reference to above plate No.6, 7,8 & 9 may be attended. Further, pit names were designated, in addition to that, Iron or Manganese, and if both minerals also may be indicated. The notations used in the index must be followed as per the standard notations used in MMR, 1961 in all the plates.
18. Tentative excavation Plan (Kammathuru iron Ore, August, 2016-17, plate No. MP02C): The proposed excavation for the year depicted in the plan for the year with green color code is not clear for understanding. This should be highlighted with bold color. The iron ore body exists in the respective benches may be shown accordingly for reference, to know the development of benches for intercalated waste or side burden from the ore benches. Besides, the waste dump, subgrade, C-ore fines, & lumps are stacked very close to each other, which must protected from mixing with waste OB either in the active or inactive dumps. In the light of the above remarks, the plate for 2017-18 may be attended and modified, wherever applicable on development and production.
19. Tentative excavation Plan (Jaladi Kolla-JLK Mn & iron Ore, 2016-17(From August), plate No. MP06C): The iron and the manganese workings if it is separate location within the pit mentioned, which may be dealt accordingly, depicting the working for Mn & iron for reference. The back filling notation given in the index must be clear, whether the encircled area will undergo back filling or in part.
20. Tentative excavation Plan (Kanivehalli iron Ore, 2016-18, (August'16 to March, 18) plate No. MP26c): The proposed excavation and production proposal is found to be not

appropriate. The proposals needs to be modified as discussed during the filed visit, by extending all the working bench face towards southern end, and not towards western end. The proposed approach road to the mine working faces and exit, also to the stacking yard and the processing yard may be marked. The C-ore, subgrade stack yards must be kept away from the waste dump yard.

21. Conceptual BHQ Dump Plan (2016--18, plate No. MP02g): The plan and section brought out in this plan may be reflected in the surface plan also for reference.
22. Environment Plan (plate No. SM14): The other ML area of other lessees if any present within the buffer zone from this present ML area may be brought out in the plan for reference.
23. Conceptual Plan (plate No. SM18): The way in which the conceptual plan and sections are proposed to undertake at the conceptual stage may be brought out. Besides, water storage, back filling in the form of waste filling or water reservoirs, or partly back filling with water or waste may be updated accordingly with clarity.