

SCRUTINY COMMENTS ON EXAMINATION OF DRAFT RMP IN RESPECT OF  
Bhaktrahalli Chromite MINE (ML.NO.2511) SITUATED IN Channarayapatna TALUK  
OF Hassan-DISTT OVER AN OF 259 Ha OF M/s Karnataka State Minerals Corporation  
Ltd.

1. **Introduction:** (i) The copy of notification regarding change of Company's name has not been enclosed. (ii) The deemed extension of ML as per section 8A (6) of amended MMDR act 1957 has not been discussed along with copy of application filed at state DMG and their present status. (iii) Status of Environmental Clearance has not been discussed. (iv) Reasons for non-working have not been discussed.
2. **Para 1(a):-** ID proof of person signing document has not been appended.
3. **Para 1(f):----**E-mail of QPs has not been mentioned.
4. **Para 2:--** The deemed extension of ML as per section 8A (6) of amended MMDR act 1957 has not been discussed.
5. **Para 3.4:-----** The violation letter issued on 16/4/2018 related to non-submission of Financial Assurance under rule 27(1) & (2) of MCDR 2017 and their compliance have not been discussed.

**Part-A**

**Geology & Exploration:--**

6. **Para 1(a) :---** The co-ordinate range of ML mentioned should be checked and corrected w.r.t. Surface Plan.
7. **Para 1(c) :---** (i) Non-marketable of Dunite has not been discussed.(ii) Occurrence of only Lumpy nature of Chromite ore has not been mentioned.
8. **Para 1(i):--**Total mineralized area and the lateral extent of area covered under G-1 , G-2 & G-3 level of exploration should be mentioned. As discussed during site inspection, few addition BHs should be proposed to cover entire potentially mineralized area under G-1 stage both lateral and vertical. Further, all proposed exploration should be completed within financial year 2021-22 **as per rule 12(4) of MCDR 2017.**
9. **Para 1(j) (page no-16 & 17:----** Non-saleable ore mentioned at tables should be checked and corrected w.r.t. proposals at Chapter no 4 and 5.

**Mining:--**

10. **Para 2(a):--** (i) Proposals of developments at sections of Pit no-1 for year 2019-20 should be checked and corrected as "BB' to EE' w.r.t. enclosed **Annexure-9.** (ii) Page no-23 to 25:-- Irrelevant mentioning of columns of Reserves and development should be removed.
11. **Para 2(b):--** In-situ tentative excavation table should be reconciled w.r.t. **Annexure-9** due to utilization of +10 % Cr2O3 grade of Chromite ore and 10 % waste of ROM already included as IB.
12. **Para 2(d) (Page No-28):--** The average bulk density of handling (Waste +Mineral) mentioned should be checked and corrected. Accordingly, the calculation of drilling and blasting parameter should be made.
13. **Para 2(d) (Page No-29 & 30):--** The requirement of additional excavator should be discussed due to mining operation in 4 nos of pits and included in list of mining machineries.

14. **Para 2(e) (Page No-31 & 32):**-- The proposed development in sections of pit No-1 and Pit no-4 should be checked and corrected in tables w.r.t. **Annexure-9**.

15. **Conceptual mine planning (Para 2 (f) ):**-- (i) Conceptual mine planning may be end of lease period. The chance of enhancement of reserves after exploration may also be mentioned. (ii) Generation wastes and their location of disposal, afforestation and other protective measures **during conceptual period** have not been discussed. Incorporated tables of proposed mine development, location of disposals of wastes, afforestation and other environmental protective measures during RMP period (i.e. year 2019-20 to 2023-24) **need not** necessary under this para.

16. **Para 7 (b):**-- Appointment of full time Mining Engineer and Geologist should be proposed as per MCDR 2017.

17. **Para 8.1(a):**-- The column of “During plan period”, “At end of lease period” and “Total extent” may not necessary at this table/para.

18. **Para 8.3.1:**-- Any parts of pits were not matured for back-filling during RMP period may be clearly mentioned. Further, figure of total proposed area for mining and connected activities at the end of life period should be checked and corrected.

19. **Para 8.3.5:**-- (i) The table year-wise proposals from 2014-15 to 2018-19 should be removed. (ii) The proposed afforestation on dumps and waste land should be reflected separately as per the items of the table. Further, the actual nos of sapling planted and other existing protective measures viz. retaining wall, garland drain should be also mentioned under relevant items. (iii) Year-wise proposals of garland drain have not been in-corporated in table.

#### **Part-B**

20. The certificate of the lessee:- Rule of RMP document should be checked and corrected.

#### **Annexures:**

21. The photographs of Corner BPs have not been enclosed.

22. **Annexure-8:**-- Non-saleable ore mentioned at tables should be checked and corrected w.r.t. proposals at Chapter no 4 and 5.

23. **Feasibility Study Report:**-- (i) The co-ordinate range of ML mentioned should be checked and corrected w.r.t. Surface Plan. (ii) Drilling and blasting parameter and list of mining machineries should be modified as per scrutiny comments of Mining Chapter.

#### **Plates:**

**24. Plate No 4** (Geological Plan):--(i) Exploration proposal should be modified as per scrutiny comments at Para 1(i). (ii) The proper recognizable colour code may be given to Dunite & Titaniferrous Magnetite.

25. **Plate No. 4A to 4C** (Geological cross section):-- (i) UNFC code of “122” may be given to probable reserves. (ii) As per scrutiny comments at para 1(i), additional BHs should be proposed at sections CC, GG’, HH’, II’, KK’, MM’ and OO’ (iii) As per scrutiny comments at para 1(i), proposed BHs to be shifted at sections DD’ (PBH no-2), FF’(PBH No-3), LL’(PBH No-6) and PP’ (PBH No-8) based on dip of ore body.

26. **Plate Nos 5 series** (Year-wise production & development plan and sections):-- (i) 5A series:-As discussed during site inspection, the proposed dumping at Dump No-5 should be restricted at section BB’ and CC’ due to UPL. (ii) The proposed development should be properly marked at sections of plate No-5B3.

27. The proposed retaining wall and garland drain should be proper and complete near Dump No-1 and 5 as discussed during site inspection. Accordingly, necessary correction at Plate no: **6** and Plate no: **9** should be made.

28. **Plate no 7** (Conceptual plan) :--Year-wise afforestation proposals should be checked and corrected.

29. **Plate No-9** (Reclamation plan):-- (i) Index should be proper with incorporation of retaining wall and garland drain (ii) Proposed Environmental monitoring stations should be marked. (iii) Marking of proposed BHs location may be removed.

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