

**DRAFT SCRUTINY COMMENTS OF “TALOORU MAGNESITE MINE” OF SRI. N. RAJASHEKAR, OVER AN AREA OF 12.10 HA, M. L. NO. 2484, IN TALOORU VILLAGE, TALUK MYSORE & DISTRICT MYSORE, STATE KARNATAKA. THE FIVE YEARS PERIOD FROM 2020-21 TO 2024-25 (I. E . W.E.F. 01. 04. 2020 TO 31. 03. 2025). NON-FOREST/ NON-CAPTIVE, PRIVATE COMPANY.**

1. From the list of annexure enclosed found that the date application/approvals are not given in the annexure.
2. In the introduction chapter, the validity of the mining lease up to 22 april 2055 given as deemed extension, whether any confirmation letter from the dmg karnataka received in this respect may be enclosed for reference.
3. In general chapter para 1.b the status of the lessee indicated as private individual proprietor, which needs to be corrected appropriately.
4. In table -4, productions and development state the production achieved for the five years was 15,990 tons against the target of 40,035 tons, what are reasons for not achieving the target may be furnished. Similarly the development has been achieved of 70,950tons against the target of 54,060 tons what are the reasons in achieving the more development than targeted level may be justified.
5. In Part A-under para 1(i), table-06, the details of future program of exploration furnished for the period from 2015-2016 to 2019-2020, reveals for the previous five years period not for the ensuing plan period which may rectified.
6. Para 2A (a), the details of the number of working benches height, width, slopes, waste dumps, stacks and infrastructures, etc., similarly, the proposed method of working for the current proposal, provided work resumes in the mining lease area. Further, the slope of faces, direction of advancement, approach to the faces & specification of roads, etc to be marked. Also, the existing dumps spread parameters, height, slope protective works etc., to be marked.
7. Para 2A(a), in page no.26, table without number, under proposed exploitation bench wise, in 6<sup>th</sup> column, the proposed production is written as proposed reserves in tones need to be attended and changed.
8. In table no.11, the insitu tentative excavation is given, wherein the dunite & the mineral rejects are dumped together, instead of stacking separately for future use.
9. In table no.12, under re-handling of dump, in column 3, the estimated recovery of saleable minerals is given as zero, instead of giving the actual figures.
10. Para 2(e), under production plan( 2020-21—Pit No.1): as per the heading it is indicated as if for Pit No.1, but in the para, it starts like commenced in pit no.1 & 2, during the 1<sup>st</sup> year, 2<sup>nd</sup> year, 3<sup>rd</sup> year & so on, if it is so, why it is not in the heading itself as Pit No 1 & No.2 to be clear that the work is progressing in 1<sup>st</sup> year itself to

join the both the pits from top downwards through slicing. Therefore, in the light of the of the above remarks, the other four years developments & production need to be worked out indicating the Pit No.1 & 2 respectively.

11. Para 8.3.1, under mined out land, it is mentioned that the reclamation by back filling in the worked out area in phased manner, but in the conceptual plan and sections, it is indicated with water reservoir only and not back filling, this examined and commented up on suitably, the reasons for the difference in the proposals & the actual.

12. Para 8.6, table no.28, in column number 6, it is mentioned 32.23 ha as untouched area need to be removed from the column or deleted from the same, which is misleading the calculations.

13. All the photographs enclosed in the text annexures are without the name of the mine/ owner for reference. Hence, the same may be attended appropriately.

**Plates:**

**14. Key plan: (plate no. 01a):** the approach road to the ml area needs to be marked with approximate distance from a known place for reference.

**15. Surface plan (plate no. 03):** the name of the mine is written as Taloor Magnesite mine, but in the text cover page it is written Talooru Magnesite mine, the difference may be attended and corrected in all the places of the plates and the texts. (ii) the bore holes & the drilled bore holes shown with different notations, which may be attended appropriately. (iii) the retaining wall and the garland drain present around the waste dumps need to be depicted as it is present in the field. (iv). The stacks and the sorting locations present around the pits may be brought out as it is to know the status of the working in the mining lease area.

**16. Geological plan (plate no 04):** the upl (the ultimate pit limit shown in the index and on the plan is not clear for understanding, which therefore needs to be shown appropriately with clarity. (ii). The upl and the mine roads notations are found to be resembles same, which leads to confusions, better to draw with difference in color for easy reference.

**17. Year wise development & production plan (plate no. 06a—06e):** the proposed development and the production face depicted are not clear for understanding the advancement of faces are not marked with clarity. The movements of the faces are needed to be shown with arrows to know the advancement of faces. (ii). The pit no.1, the face on the eastern side may be moved to the 7.5m limit all along the eastern side. Similarly, on the northern side faces to exploit the minerals present on that side. (iii). The approach road to the individual working faces are not made provision to enter, which is not appropriate & correct. (iv). The proposals drawn to join the pit no.1 & pit no.2 from the sides west and the east is acceptable, but joining pit no.1 and pit no.2 from top slicing from top benches will be appropriate and correct. In the light of the above remarks, the development and production plan for the year 2021-22, 2022-23, 2023-24 & 2024-25 should be worked in a systematic manner for scientific mining. Instead of sideways approach and joining the pit no.2, from top level of the pit no.1 to top level of pit no.2 may be

joined by slicing for systematic and scientific mining. Therefore, the proposals may be modified suitably.

**18. Conceptual plan & sections (plate no. 08/09):** the conceptual plan drawn without proposing or undertaking the bench plantations on the top benches for better reclamation & rehabilitation. Besides, the conceptual sections drawn without submitting the longitudinal sections along the 'I-I'' to know the details with clarity of the reclamation and rehabilitations proposed/ undertaken in the mine. This plan and sections need to be drawn as per the prevailing situations at the end of the conceptual stage/ end of the lease period.

**19. RECLAMATION PLAN( Plate no. ) :** Proposed environmental monitoring station at core-zone, water monitoring station at water discharge point should be reflected. (ii) the year-wise afforestation & environmental protective measures to be shown. (iii). BF need to be undertaken only after exhaustion of ore body, without which no bf should be commenced. (iv). This plan should be prepared similar to conceptual plan/ sections, considering the bf i.e. Reclamation & rehabilitations.