

**SCRUTINY COMMENTS ON REVIEW AND UPDATION OF MINING PLAN OF MUNDUR VERMICULITE MINE ML. NO 2503 OVER AN AREA OF 4.563HA IN MUNDUR VILLAGE, K.R. NAGAR TALUK, MYSURU DISTRICT, KARNATAKA STATE SUBMITTED UNDER RULE 17(3) OF MCR, 2016 OF M/S DUGAR INSULATIONS INDIA PRIVATE LIMITED .....PRIVATE/'B'CAT/MANUAL/NON-FOREST/CAPTIVE.THE PROPOSED PERIOD..... 2017-18 TO 2019-20.**

**COVER PAGE:**

1. The cover page should contain all the details of the document as per the universal format, also the period of proposals and captive/non-captive status.

**CERTIFICATES:**

1. In Consent letter, the rule 12 of MCDR, 88 may be deleted and the consent letter should be from the lessee.
2. Certificate from Qualified Person: MCDR, 1988 is to be replaced by MCDR, 2017.
3. In the light of the above remarks, other text paras may be attended.

**INTRODUCTION:**

1. It is stated that the lease was granted in Nov, 2005, if it is so how the mining operation was commenced in April, 2005, this may be given correctly in 2<sup>nd</sup> para and wherever it is applicable.
2. The reasons for not working the mine during the scheme of mining period may be explained.
3. Table no.1: It is mentioned that the lessee is having another mining lease No.2504, Which is not appropriate and correct, which may be checked and given correctly.

**GENERAL:**

1. Para 2.0 : The break-up of extent of area may be given as Revenue/Patta land in the tables. The boundary pillars have not been erected as per the norms. These may be erected.
2. Para 3.3(a): The date of commencement of mining operation may be given correctly.
3. Para 3.3(b): Mine Development: The excavations already carried out have to be described against the proposals. The title of Table-III may be given.
4. Para 3.3(c): Under afforestation program, the proposals and actuals of last scheme period may be given.
5. Para 3.4: Status of compliance of violations: The violation letters were issued to the lessee in the month of June and Nov.2014, but nothing has not been mentioned in this para which ought to have been.
6. The spelling mistakes may be avoided in the document.
7. The document appears to be prepared in a casual manner without following the outline and guideline of IBM Manual for Appraisal of mining plan, 2014.

PART-A

1. Para 1 (a): As per the Surface plan, the area reveals slope from east to west, but mentioned that slope is from west to east. This may be corrected.
2. Para 1(e)(iv): The expenditure incurred for the exploration carried out annually may be given.
3. Para 1 (i) : The future exploration programme may be given with justification, so that the entire ML area may be covered within the period of proposals.
4. Para 1 (j) : The reserve/resources in respect of threshold value of the mineral may be furnished. The position of reserve/resources may be given as on 1.4.2017.
5. Para 1(k) & (l) : The relevant information may be given under these paras about the estimation of reserve/resources section wise and level of exploration as G1,G2..... as per UNFC.

MINING:

1. Para 2.0 : The existing and proposed method of mining operations/excavations may be given.
2. Para 2.A (a): Page no.31 : (i)The spelling of Mining may be corrected above the table-X. The location of waste dump, mineral stack, top soil may be described. The financial year 2015-16 & 2016-17 may be deleted from the table. The production from the geological and mineable reserves indicated without giving the unit in tonnes/ cu.metres. Besides, giving just (T) and (M.T) in another table may be avoided. This may be given without confusion. Table number is not given for table in page no. 32. (ii) In para 2(b), under Dump re-handling, the height and width of the dump kept at 10 m to avoid slope failure, but it is written as slumping. This may be corrected.
3. In page no.39 the total waste is given without indicating units.
4. Para 2.A (b): The year and quantity in cu.m may be given in the table of in situ tentative excavation. Brief description of location of dumps/stacks may be given. The bulk density arrived method may be given.
5. Page no. 41 : B. UNDERGROUND MINING : The entire para may be deleted, except applicable.
6. Para 4(a) : All quantities may be given in cubic meters and with financial year is to be mentioned.
7. Para 4(b): This para may be given as per universal format and the information may be furnished.
8. Para 4(c): The year-wise details of proposals may be furnished. Table-VIII may be attended appropriately.
9. Page no.52 : The last para may be deleted.
10. Para 8.0 : PMCP : Type of area may be mentioned correctly. The Latitudes and Longitudes of the area are not matching with that are given under para 2.0 at page no.4.
11. Para 8.0 : Page no.59 : The rule under which PMCP prepared may be stated as 23 of MCDR,2017.The PMCP should be prepared as per IBM Manual for Appraisal of mining plan, 2014.

12. Para 8.3.5: Page no.68&69 : The respective details may be furnished as per the production & development plan.
13. Para 8.6 : Financial Assurance : The rule under which the financial assurance to be submitted may be given as 27(1) of MCDR,2017 in page no.71.

PLATES:

1. North Meridian may be shown in all plates.
2. Plate no. 1, 2, & 3 : These plates are copy of the last approved document of scheme of mining. These may be submitted afresh appropriate scale. Indexing should be given correctly and Wind rose may be shown in plate no.1. key plan. Approach roads to the lease area to be marked properly in plate no.2.
3. Plate no.4: Surface plan : (a) The corner boundary pillars have not been named as A,B,C,.....as stated in the text. (b) The title of title box in all Plates may be replaced as "Review and updation of mining plan". (c) Three Ground Control Points may be shown with their coordinates and photos of the same may be enclosed.
4. Plate no.5: Geological Plan: (i) The lithounits of area may be properly demarcated as per the surface features. (ii)The coordinates of the corner pillars are not matching with the same in the text. (iii) The index may be distinct to differentiate one and another.(iv) Trial pits and trenches may be shown and also the proposed trial pits and trenches are to be shown. (v)The ultimate pit limit may also be shown in this plan and also in working plans.(vi) G1,G2 and G3 level of exploration may be shown.
5. Plate no. 6 : Geological Sections: Section CC' is not matching with that geological Plan. This may be corrected.
6. Plate no.7 &7A: The financial year of proposed workings may be mentioned. The proposals have been given for three years as per the text document but indicated four years working plan on plates. This may be corrected in this plan and also in the concerned plates like PMCP, Conceptual plan.
7. Plate no. 8: Few air& water monitoring stations may be established. Year wise plantation proposals may be marked distinctly.
8. Plate no. 9: Conceptual plan and section should be attended appropriately considering the situation at the time of closure of the mine.
9. Plan no.10: PMCP: Financial Assurance Table may be shown in this plate. Break-up area is to be marked on the plate as per the Financial Assurance.
10. All the plates should be mentioned that the plans and sections are prepared based on the lease map authenticated by the State Govt.

ANNEXURES:

1. Annexure 1 & 2 are repeated.
2. Annexure no.4 : The enclosure to this i.e., News item page may be removed. What was the intention of attaching it is not clear.
3. A Copy of the latest resolution of Board of directors may be enclosed.
4. Photos of boundary pillars after erection as per the norms may be enclosed along with the document.
5. The Annexure -18 is missing in the list of Annexures. This may be corrected.
6. Annexure -22 (lease application) may be deleted.
7. A copy of the deemed extension of mining lease period from DMG may be enclosed.

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