

BY REGISTERED POST

**Government of India
Ministry of Mines
Indian Bureau of Mines
Office of the Regional Controller of Mines**

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Opp. R.T.O.'s Office,
P.O. FATORDA - 403602,
Margao-Goa.

No. RMP/OTFM-01(KNT)/GOA/2018-19

Date: 18.04.2018

Smt. Rajeshwari M. Viraktamath,
At & Post-Lokapur,
Taluka-Mudhol,
District - Bagalkot,
Karnataka - 587 122.

Sub: Approval of Review of Mining Plan with Progressive Mine Closure Plan in respect of your Naganpur Limestone & Dolomite Mine (M.L.No. 2425) over an area of 2.78 Ha. situated in Naganpur Village, Mudhol Taluka, Bagalkot District of Karnataka State submitted under Rule 17(2) of MCR'2016.

Ref : Your Letter No. Nil dated 04.04.2018 submitting a draft copy of Review of Mining Plan in respect of aforesaid mine.

Madam,

This has reference to the above subject. The draft copy of Review of Mining Plan (including PMCP) has been examined in this office based on the earlier inspection of mine by Shri. G.S.Kannan, Jr. Mining Geologist on 19.12.2017. Based on the deficiencies observed in draft copy of Review of Mining Plan, the scrutiny comments are enclosed herewith as **Annexure-I**.

You are, therefore, advised to carry out necessary modifications in above document and submit **Three bound copies** of the same to this office within a period of **15 (Fifteen)** days from the date of issue of this letter. It may be noted that no further extension of time in this regard will be entertained and the document will be considered for rejection if not submitted within above due date complete in all respect.

Yours faithfully,

Encl.: As above.

(Dr.Y.G.Kale)

Regional Controller of Mines

Copy alongwith **Annexure - I** forwarded for information and necessary action to Technical Person Shri. K.Prabhakara Reddy, Plot No. 15-DP2, KIADB, Sankalapura Industrial Area, Near Water Tank, Ballari Main Road, HOSAPETE-583201, District-Ballari, Karnataka.

(Dr.Y.G.Kale)

Regional Controller of Mines

Contd....2/-

प्रतिलिपि अनुलग्नक-1 के साथ खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलोर को सूचनार्थ प्रेषित ।

(डॉ वाय. जी. काले)
क्षेत्रिय खान नियंत्रक

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COMMENTS (Review of Mining Plan under Rule 17(2) of MCR'16)\Naganpur Limestone & Dolomite Mine (M.L.No.2425).docx**

ANNEXURE-I

Scrutiny comments on examination of draft Review of Mining Plan submitted under Rule 17(2) of MCR' 2016 in respect of Naganpur Limestone & Dolomite Mine (M.L.No. 2425) of Smt. Rajeshwari M. Viraktamath, over an extent of 2.78 Ha, situated in Naganpur Village, Mudhol Taluka, Bagalkot District of Karnataka State for the period from 2018-19 to 2022-23.

General:

1. All the annexure to be properly indexed/ numbered/ paged and signed by qualified person. Plate & Annexure Nos are wrongly filled in some places.
2. Page-1: it is mentioned under General para the lease period will be 50 years and lease will expire on 28.09.2053. The letter in this regard from State Government may be furnished.
3. The valid EC has not been explained in any chapter. KSPCB consent order & EC copy to be enclosed.
4. In the previous approved plan, the undertaking has been enclosed by the lessee to carry out DGPS survey within 90days whereas more than 5 years has passed till the Lessee has not submitted the DGPS plan.
5. The copy of DGPS plan duly submitted to State DMG for authentication should be discussed & given with supporting documents.

Location & Accessibility:

6. Para-2.a:- The extension of the Mining Lease upto 28.09.2053 and date of execution of lease deed & Supplementary Lease deed may be enclosed as annexure.

Details of approved Mining plan/ Scheme of Mining:

7. The review of earlier approved proposal of exploration, afforestation has to be shown in table format. The figures given for production achieved in last approved scheme period is not matching with the Annual/monthly returns submitted to this office. Production achieved should be as per the annual returns. As per March 2018 monthly return submitted by lessee the production of Limestone & Dolomite is 10,000 tons & 24,500 tons only.
8. The year wise production & development quantity should be updated & given till date based on statutory annual/monthly returns submitted to IBM & deviation should be justified. The proposed & achievement should be mentioned as per approved scheme proposal i.e. Latitude & Longitude /RL etc. & actual workings done should be discussed in tabular form with proper justification.
9. The compliance of violation pointed out by IBM is not discussed properly.

Geology and Exploration:

10. The topography of the lease area is not discussed properly. The elevations within the lease area and nature of the land are not discussed properly. Highest and lowest RL is

mismatching with plan & text.

11. Under geology of the lease area type of the deposit, shape and size of the ore body, structural features if any needs to be discussed. Dip and strike of the formation may be mentioned in whole circle bearing.
12. Detailed estimation table for reserves & resources as per UNFC has to be given in text. Minerals (Evidence of Mineral Contents) Rules 2015 has to be followed for exploration grid interval for UNFC reserves & resources estimation. As per rule 200m or closer interval of borehole spacing along strike for G-2 and 100m or closer interval of borehole spacing along strike for G-1 category of irregular bodies to be considered.
13. UPL has to proposed upto proved depth only. No extrapolation of extreme borehole has to be considered for estimation of reserves & resources. Beyond & below the depth of boreholes, it should be considered as resources as per above said rule.
14. Detailed estimation sheet for reserve and resources need to be furnished showing sectional area as per UNFC category, influence, BD, recovery factor, location on plan & sections etc. The basis of bulk density and recovery factor should be given on the field tests conducted for minerals. Cut-off grade based on market conditions, mining losses may also be considered for estimation of reserves & resources.
15. Additional exploration is to be proposed to know the contact zone of Limestone & Dolomite continuity of ore in depths as well as to complete the exploration as per UNFC norms.
16. The complete lease area should be proposed to cover under exploration to quantify reserves/ resources with cutoff grade corresponding to threshold value suggested by IBM within this plan period.
17. Geological reserves & Resources have to be shown in table to compare as per previous approved plan and as of now. Addition or depletion of reserves/ resources to be explained.

Mining:

18. The present mine workings done unsystematically & height are not properly maintained in the lease area. Therefore the proposal for regularization of development of these benches in the First year of plan may be indicated.
19. Present pit dimension with length, breadth, RL, depth, benches in Ore & waste has to be shown in table format for all the existing pits & dump area. Number of waste and mineral reject dumps with size of each dump i.e. L X W X H and total quantity of waste material in the dumps has to be given.
20. The mine design parameter should be discussed in brief with all precautionary measures. Instead of referring plan & section plates, is should be discussed in brief in tabular form. The top soil should not be treated as overburden.
21. Adjoining lease ML-2655 of M/s.Somalingeshwar stone powder has proposed to work maximum upto 557m RL during the scheme period in the Common Lease boundary, whereas your lease has reached 553m RL which is one bench extra and further proposed in the 7.5m safety barrier. The production has to be uniform with adjoining lease in 7.5m safety barrier all along the common lease boundary.
22. Proposed production & development, area, co-ordinates have to be revised based on updated reserves & resources. Production & development plan has to be re-design based of the 7.5m safety barrier.
23. Dumping inside mine lease area on mineralised area should be of temporary nature. With time bound proposal for its rehanding. Proposed Afforestation nos are changing from page to page.

24. The adequacy of mine machinery & their capacity should be discussed as per manual of appraisal of mining plan 2014. The mine machinery should be optimised based upon the haul road, height & width of bench in mine as per MMR, 1961. It should be clarified whether mining machinery/crusher/manpower used is own/purchased/ hired/contract etc. secondary boulder blasting should be eliminated, single rock breaker of required capacity may be proposed.

Stacking of Mineral Reject/ Sub Grade materials and Disposal of waste:-

25. Dumping proposal should be in such a manner that low grade ore dump should not be mixed with waste. The dumping of waste should be on non-mineralised area.
26. All the existing dumps in the lease area should be analysed from NABL accredited lab and according Low grade should be differentiated.

Use of Mineral & Mineral Rejects:-

27. Requirements of end use industry have to give along the physical & chemical compositions.
28. IBM registration number of buyer has to be mentioned.

Others:

29. It should be discussed the employment potential as required under MMR, 1961. It should be time bound commitment for appointment of mining engineer & Geologist as required under provision of MCDR, 88.

PMCP:

30. Existing land use pattern, location of different monitoring stations as per IBM/ MoEF guidelines for EMP and frequency of monitoring may be discussed. Proposal for construction of suitable dimension of embankment/ parapet walls, fencing near road should be discuss.
31. Financial Assurance: - the copy of original valid bank guarantee for B category mine should be submitted in final submission in the form of Annexure as per MCDR 2017.
32. Summary of year wise proposals of plantation, construction of retaining walls, garland drains etc should be given year wise at item 8.3 with quantities and dimensions.

Plates:

1. DGPS Plan: the copy of DGPS plan duly authenticated by state government is not submitted.
2. Surface Plan:- The surface plan should be signed by a certified surveyor with date. Date of survey should be recent.
3. Production & Development plan:- Production plan for year 2018-2019 to 2020-2021 should be uniform with adjoining lease and present pit profile has to be shown after every year exaction and in that new proposal has to be shown.
4. Environment plan: The plate is not prepared as per rule 32(5)(b) of MCDR 2017, show other details population, village boundary, types of land etc. Features like water bodies, building, farm houses; electric pole has to be included in 60m & 500m area surrounding lease

boundary.

5. Reclamation plan: - Dimension of proposed Toe wall and garland drain should be mentioned on reclamation plan. The year wise plantation proposals should be shown by different colors. Existing & proposed afforestation is not shown properly in plan. Garland drain, retaining wall, rain water management and mine water discharge system is not shown in this plan.
6. Financial Assurance plan: - The area considered for financial assurance should be shown by different colors and indexed. Table showing area considered for financial assurance under different activities should be given.

Annexure:-

1. The clear and legible copy of the address and identity proof to be enclosed.
2. The latest translated copy of Annexure-IIA (Village land account) in English/Hindi should be enclosed.
3. Latest quarterly monitoring report on air, water & noise should be enclosed as per category of the mine for last 2-3 quarters.
4. The copy of original valid BG of requisite amount should be submitted in the form of annexure along with original.