

Scrutiny comments on examination of draft Review and updation of mininig plan submitted under rule 17(3) of MCR 2016 in respect of Muddapur Limestone and Dolomite Mine of B.C.Udapudi bearing M.L.No-2534 over an extent of 14.569 Ha. In Muddapur village, Mudhol, Tq, Bagalkot Dist of Karnataka State.

- 1) **Cover Page:-**As per the lease deed, Original lease was executed on 03.07.2002 and after amalgamation of three leases, Amalgamated lease deed was executed on 7th January 2011 with effect from 03.07.2002. However on cover page date of execution is mentioned as 27.04.1995 and expiry date shown upto 26.04.2045, this needs to be rechecked and corrected. ii) Lease period may be given 50 years as per the MMDR Amendment Act 2015.
- 2) **General:-** i) As per the MMDR Amendment Act, 2015, the lease is valid upto 50 years from date of lease execution (original). Therefore modification in the approved mining plan under rule 17(3) of MCR 2016 should be submitted.
ii) New chapters should commenced from new page.
iii) Review and updation of mining plan should be replaced as Modification in the approved mining plan under rule 17(3) of MCR-2016 in all relevant pages.
iv) Name of the Applicant should be corrected as Name of the Lessee.
- 3) **Location and Accessibility:-** i) Name of the mine should be mentioned as Muddapur limestone and Dolomite mine.
- 4) **Details of approved Mining plan/Scheme of mining:-** i) 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. ii) Copy of the last approved document is not enclosed. iii) The mine was recently inspected by RCOM, Goa and pointed out violations of MCD Rules vide letter dated 19.09.16, details of violation pointed out and status of compliance for the same is not discussed.
- 5) **Geology and Exploration:-** i) 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. ii) dip and strike of the formation may be mentioned in whole circle bearing. iii) If exploration is carried out by lessee name and address of the lessee may be given under name of exploration agency.
iv) The bulk density and recovery percentage should be based on field tests. v) During field visit it is observed that reserves/resources estimated for lime stone appears to be too high compared to size of the limestone deposit. So reserves/resources needs to be re-estimated and corrections should be made in all the relevant pages. vi) The detailed calculation may be given in the reserves chapter instead of enclosing as annexure. vii) Depth below the drilled borehole may not be considered for estimation of reserves/resources. In present submission it is observed that below the drilled boreholes resources are estimated under 333 category and same cannot be considered. viii) At page

number 22 it is mentioned that no mineral is blocked due to electrical line. However in the south-western part of the lease area some mineral is blocked due to electrical line and same as marked on section A-A' and B-B', so the sentence should be corrected. ix) The reserves estimated under G-1,G-2 and G-3 level given in the tables at page no-21 and 22 are not matching with the category wise reserve estimation given in the table at page number-24. x) Chemical analysis is not shown in the bore hole log sheets which are enclosed as annexure-IXA.

- 6) **Mining:-** i) Proposed pit dimension as indicated on plan and sections needs to be discussed. ii) At page no 25 it is mentioned that workings will be reached 412 mtrs in the present plan period. As per the proposed plans and sections the working will be reach to a depth of 512 mtrs only, accordingly correction should be made. iii) under layout of mine working for the plan period the proposed length, width and depth of the workings should be discussed. iv) Amount of advancement given in the table at page number 30 needs to be rechecked and corrected. v) The proposed rls and workings for all the years need to be rechecked and corrected as per the plans and sections given for production and development. The proposed RLs marked on plans and sections are not matching with the details given in the table at page number 30. Top RL is mentioned same for all the years. vi) At page number 30 at para two the bottom RL for the year 2018-19 is mentioned as 551 RL instead of 517 RL. And for the year 2019-20 the proposed bottom RLs is mentioned as 512m whereas on the plan and section the proposed RL for the same is mentioned as 517m , these needs to be rechecked and corrected.
- 7) **Conceptual mining plan:-**i) Anticipated life of the mine should be calculated based on re-estimated reserves/resources. ii) Excavation plan for next successive block of five years upto life of the mine should be based on re-estimated reserves. iii) At page no 32 it is stated that waste dumping will be made in the 7.5m safety zone in plan period and backfilling will be carried out in 3.803Ha. Further for successive block periods backfilling is proposed. However no mineral will be exhausted in the present plan period and working is shown upto 480mtrs upto life of the mine, so it may not possible to carryout backfilling in present and successive five years block period. So proposal for dumping upto the life of the mine needs to be rechecked and corrected.
- 8) **Progressive Mine closure plan:-**At page number 54 it is stated that a bank guarantee for Rs.243950/- is submitted to RCOM,IBM, Goa and copy enclosed as annexure-xv and for remaining amount additional bank guarantee will be submitted. However the banks guarantee which is enclosed as annexure xv is for the amount Rs.1, 42,950/- only and valid upto 31.03.2017. So a fresh

guarantee for the area as per the table 42 upto the proposed plan period needs to submit before approval of the plan.

Plates:-

- 1) **General:-** The plan and sections may be prepared in 1: 1000 scale for easy reference.
- 2) **Key plan:-**i) Details of villages within the buffer zone with distance and their population as per the latest census should be mentioned.
- 3) **Surface plan:-**i) Between boundary pillars BP-F and BP-G, working has been carried out in the 7.5mtr safety zone and same is not shown surface plan.
- 4) **Geological plan and cross sections:-** i) Dip and Strike of the formation is not shown on the surface geological plan. ii) Collar level, depth and inclination of the drilled borehole should be marked on Geological plan and sections.
- 5) **Environment plan:-** i) The Monitoring stations marked on key plan and environment plan are not matching. ii) During field visit it is observed that some pits are present with in 500mtr buffer zone and is not shown in the plan. iii) All the points which are shown in Rule 28(5)(b) of MCDR-1988 are not incorporated.
- 6) **Financial Assurance plan:-** The proposed land use details should be shown by different colors and to be indexed for easy identification of area considered for financial assurance.