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AP/KNL/MP/Dol-4/Hyd.

Room No.603, 6th Floor,
CGO Towers, Kavadiguda,
Secunderabad – 500 080
Date: 16.12.2019.

To

Smt.D.Venkata Subbamma,
W/o.D.Krishna Reddy,
H.No. 6-62,Subbareddy Colony
Chinna Malkapuram(Post)-518 222,
Dhone Mandal,
Kurnool District,A.P.

Sub: Submission of Review of Mining Plan in respect of Hanuman Dolomite and Iron Ore Mine of Smt.D.Venkata Subbamma over an extent of 12.668 Ha. in Valasala village,Dhone Mandal, Kurnool District of AP State submitted under Rule 17(2) of MCR, 2016.

Ref: 1.Your letter no. Nil dated 18.11.2019.
Sir,

With reference to your letter cited above on the subject, your draft Review of Mining plan is examined and the site inspection was carried out on 30.11.2019 by Shri S.K.Muduli,JMG accompanied by Shri V.T.Chander, Qualified Person and Shri V.Balaram,Lessee's representative Please find enclosed with this letter scrutiny comments which is already been sent to you and your qualified person on email Id's i.e. dvs2208@gmail.com and ccgeoengg@yahoo.com

02. You are advised to attend these deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (2Nos.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rs.Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs.Ten lakhs as per the provision of Rule 27(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.

03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.

Yours faithfully,

(Shailendra Kumar)
Regional Controller of Mines

Copy to Shri V.T.Chander, Qualified person for information & necessary action.

(Shailendra Kumar)
Regional Controller of Mines

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Scrutiny Comments on the Review of Mining Plan submitted by Smt D.Venkata Subamma for Hanuman Dolomite, Iron and Calcite Ore Mine over an extent of 12.668 hectare in Valasala village, Dhone Mandal, Kurnool District, Andhra Pradesh DOI-30/11/2019, Inspection accompanied by-Sri V.T.Chander, QP and Sri V.Balaram-Lessee's Representative

General

- 1) Letter from DMG, Govt of Andhra Pradesh regarding the status of termination of the lease and extension of lease period as per section 8A of MMDR Act-1957 wrt this office letter-AP/KNL/MP/Dol-4/HYD Dated 04.12.2019 needs to be submitted.
- 2) As per the MMDR Act-1957 (As ammended on 12.01.2015) the period of mining shall be and deemed to be extended for a period of 50 years from the date of grant. In view of extension of lease period the document needs to be submitted under the heading "Modification of the Mining Plan" instead of "Review of Mining Plan".
- 3) The document should be prepared as per the format of Mining Plan in IBM Manual on Appraisal of Mining Plan-2014, particularly the chapters like "MINE DRAINAGE", "STACKING OF MINERAL REJECT /SUB GRADE MATERIAL AND DISPOSAL OF WASTE", "USE OF MINERAL AND MINERAL REJECT" and "PROCESSING OF ROM AND MINERAL REJECT".
- 4) Category of the Mine to be mentioned correctly in the cover page.
- 5) The consent letter to be submitted on Lessee's Original Letter head.
- 6) The correct rule to be mentioned in the Qualified Person certificate.
- 7) Lease boundary pillar co-ordinates to be furnished as per the ADMG authenticated lease sketch having boundary pillar co-ordinates.

Review

- 8) Review in respect of the lapsed period (2017-18 to 2018-19) needs to be submitted. Further the review of production and developement, afforestation needs to be submitted correctly. Review of back filling needs to be submitted.
- 9) Status of compliance of violation to be submitted in tabular form and the status in respect of violation issued in 2017 to be submitted correctly.

Geology

- 10) Local lithological sequence to be mentioned correctly.
- 11) Different type of lithology occurring within the lease and dip and strike of the formation needs to be demarcated in the Geological Plan. Area explored under different level of exploration needs to be demarcated in the Geological plan and mentioned in the text in tabular form by giving the established resources.
- 12) Chemical analysis result to be furnished in the lithologs and lab analysis reports to be submitted in respect of bore holes drilled and trial pits dug. BHs and trial pits can't be considered for mineralisation without any lab analysis report. Atleast 10% of the total samples need to be analysed by NABL or Govt approved Laboratory.
- 13) UPL boundary to be demarcated in the Geological Plan and Geological cross sections. UNFC coding to be demarcated in the sections. BH and trial pit collar RL , depth and UNFC coding for different category of reserves/resources needs to be demarcated in the Geological Cross Sections. The Geological Cross Section has not been drawn as per the lithologs of BHs and trial Pits. Geological Cross Section are not corroborated with the Geological Plan. The UNFC categorisation of the estimated reserves/resources is not correct.

- 14) UNFC axis wise justification to be submitted for all the mentioned parameters and further justification for combined category of reserves and resources needs to be submitted.
- 15) Future programme of exploration to be submitted for the entire deposit under G1 level. As it is a pocket type deposit exploratory core drilling or trial pits needs to be proposed.
- 16) Category of the deposit as per MEMC Rules-2015 needs to be submitted correctly.
- 17) Parameters of reserves/resources estimation should be submitted for all the factors considered for reserves/resources estimation.
- 18) Recovery study to be carried out for insitu iron ore for different type of grades of iron ore in line with the study already done for float ore.

Mining

- 19) It is observed that mine has not been operated with proper benching, hence Systematic mining by proper benching needs to be proposed.
- 20) Pit wise yearly tentative excavation indicating development, ROM needs to be submitted as per the format given in IBM Manual on appraisal of Mining Plan-2014.
- 21) Dimension of all the existing pits to be submitted with no of benches.
- 22) Drilling and blasting parameters to be submitted.
- 23) The year wise development and production proposal to be shown in separate Plans and section for each year. The bench position, direction of advancement, dimension to be discussed in the text and the same should be depicted. The year wise mining block of Dolomite to be demarcated in the production and development section. The plan and the section submitted in respect of Development and Production should corroborate with each other.
- 24) Drilling machinery requirement back up calculation to be submitted.
- 25) The bench wise weighted average grade of proposed mining block for each year needs to be furnished and the mechanism for the grade control for optimum utilization of mineral along with blending techniques needs to be furnished.
- 26) Provision for Geologist to be included in the man power requirement.
- 27) Conceptual plan submitted is sketchy. The 5 yearly mining blocks of Iron ore and dolomite to be demarcated in the conceptual plan. Further the 5 year block wise exploration, excavations, disposal of waste, generation of mineral rejects/ sub grade and utilization, afforestation, land use, reclamation and rehabilitation needs to be discussed and depicted in the plan and section upto the end of lease period. Transverse and longitudinal sections to be submitted along with the plan.

Stacking of Mineral Reject and Waste

- 28) Existing waste dump details be submitted by furnishing co-ordinates, dimension, no of terrace and height of each terrace.
- 29) Dolomite can not be considered as a waste. Hence submissions like this to be removed.
- 30) Built up of dumps from year to year to be shown in yearly plans and sections. Designed capacity & height of individual dump and measures envisaged for stabilisation along with protective works needs to be described.

PROGRESSIVE MINE CLOSURE PLAN

- 31) Proposed year wise proposal for plantation and its location, co-ordinates, dimension, area, no to be submitted in tabular form.
- 32) Year wise proposal for retaining and garland drain to be submitted in tabular form detailing its location, co-ordinates, dimension, area.

- 33) Reclamation plan needs to be submitted.
- 34) Latest Environmental monitoring reports to be submitted.
- 35) Base line information should be submitted.
- 36) Bank Guarantee amount should be as per the finalised Financial assurance plan.
- 37) Environmental monitoring locations in the core and buffer zone to be demarcated in Environmental and Key plan respectively.

Plans and Sections

- 38) Date of survey to be mentioned in the surface plan. Existing Mineral stack have been demarcated as waste dump needs to be corrected. Dump of Iron ore Lumps near view point and roads prepared for the exploration to be demarcated.
 - 39) Waste dump to be demarcated correctly in the surface plan and environmental protection measures proposal needs to be **submitted**. Top and bottom RL of each terrace needs to be demarcated in the plan.
 - 40) In the environmental plan all the features lying within the 500m radius from the ML needs to be demarcated.
 - 41) All the plans and sections should be submitted as per the provision of rules 31, 32 & 34 of MCDR, 2017 and signed by the surveyor having Certificate of Competency of Survey from DGMS.
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