

**SCRUTINY COMMENTS ON REVIEW OF MINING PLAN OF GUTUPALLI IRON ORE MINE OF M/S GUTUPALLI MINING COMPANY OVER AN AREA OF 19.94 HECTARES IN GUTAPALLI (V), BETHAMCHERLA MANDAL, KURNOOL DISTRICT IN THE STATE OF ANDHRA PRADESH**

**General-**

- 1) Rule under which the review of mining plan including the PMCP has been submitted be clearly spelled out.
- 2) Authenticated lease sketch with lease boundary pillar co-ordinates be produced in original for verification.
- 3) The partnership firm address be submitted at all places as per the deed of partnership.
- 4) Status of lease period extension be submitted.
- 5) Annexure no- II, III, IV, VI, XI, XI(A) be enclosed.
- 6) Name of nominated owner, address, email id be mentioned.
- 7) New authorization certificate be submitted as the name of managing partners are not matching wrt that mentioned in the deed of partnership.
- 8) In the details of approved scheme of mining plan (Table no-2) mention the plan period and proposal period.

**Review of Scheme of Mining**

- 9) During inspection the locations of 20 nos of DTH bore holes claimed to be drilled and locations of 6 nos trial pits were not found in the mine. Thus in review of exploration the information be shown as nil.
- 10) Year wise production review be submitted for ROM, Mineral reject, Sub grade and saleable ore.
- 11) In the year wise plantation review the survival rate be submitted correctly.
- 12) Year wise Production, despatch and Stock registers be produced for verification.

**Geology & Exploration-**

- 13) Source of rain fall and temperature data be submitted.
- 14) Bench mark coordinates and level be submitted.
- 15) Local geology be co-related to the regional geology by mentioning the formation in which the mining lease area falls.
- 16) During inspection, the locations of 20 nos of DTH bore holes claimed to be drilled and locations of 6 nos trail pits but the same were not found on the ground and the cannot be accepted. The Geological Plan be updated and the level wise explored area be reanalyzed and shown in the Geological plan. Area of level wise exploration be submitted. Geological section be updated considering the threshold value of iron ore i.e Fe% of 35% on the basis of previously drilled 8nos of bore holes. Thus the reserves/resources be estimated on the basis of new threshold value of iron ore, recovery of iron ore considering the 8nos core bore holes drilled.
- 17) Ultimate pit limit be shown on plans on the the basis of exploration and ultimate pit slope of 45 degree maximum.
- 18) In the geological plan be Resources/reserve estimation parameters be submitted.
- 19) Mention the type of iron ore as per threshold value notification.
- 20) Recovery study for Iron ore as per the new threshold value be carried out for Ferruginous Quartzite with iron ore, Ferruginous Shale with iron ore, float iron ore and reports thereof be submitted.
- 21) UNFC coding be mentioned in the geological section.
- 22) UNFC justification be submitted with respect to previous drilled 8nos of core bore holes. In the feasibility axis justification the environmental clearance no with capacity, validity and details of Consent for Operation like no with capacity, validity be submitted. Capital cost, operating cost, working capital details be submitted. Market overview in respect of iron ore be submitted. The economical viability be expressed in terms of cost/tonne of production and selling price/tonne.
- 23) Sub grade iron ore and mineral reject be estimated as the cut off grade is 45% of Fe.

- 24) In the reserves/resource table Iron ore quantity estimated in respect of Ferruginous Quartzite zone and Iron Ore from Ferruginous Shale zone and Iron Ore from float ore zone be submitted separately.
- 25) Exploration be proposed to cover the entire mineralised area under G1 scale of exploration.
- 26) Feasibility report be prepared and submitted as per the format of pre-feasibility report of MEMC Rules-2015.

### **Mining**

- 27) The depth of pit-3 has not been submitted correctly.
- 28) Bench mark coordinates and level be submitted.
- 29) Production proposal be submitted within limit as per the Environmental Clearance.
- 30) Year wise mineral reject to be generated be submitted.
- 31) As the threshold value of Hematite siliceous iron ore has come down from Fe% of 45 to 34.5%. If required dump rehandling be proposed.
- 32) 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. Bench parameters needs to be mentioned in the text.
- 33) Year wise and pit wise production and development details be submitted giving reference to section, co-ordinates, bench level, area, bench height with grade. Further, in the mine lay out, the bench parameters like advance to be made length wise, width wise, height, co-ordinates, from -to level(in mRL), direction of movement, Volume has not been furnished. Road layout be shown in the surface plan and year wise production and development plan.
- 34) Year wise Production and development be proposed within the ultimate pit limit as revised on the basis of exploration carried out upto the approval of last scheme of mining plan and accordingly the year wise production and development section be submitted.
- 35) Year wise production and development section be submitted.
- 36) Bench parameters needs to be mentioned in the text. Ultimate bench slope and ultimate pit slope should be as per the statute.
- 37) In the blasting parameters the details of decking, bottom charge and column charge with type of explosives and percentage be submitted.
- 38) Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves and resources, ultimate economic depth of mining, describing the excavation, recovery of ROM, stacking and use of Sub Grade and mineral rejects, disposal of waste, top soil generation and utilization, afforestation, backfilling of voids, reclamation and rehabilitation showing on a plan with few relevant sections.

### **Mine Drainage**

- 39) Submit the ground water table and its source of information.
- 40) Max and minimum depth of working be reassessed wrt UPL as per the exploration carried out upto the approval of last scheme of mining.

### **Stacking of waste, mineral reject and sub grade and disposal**

- 41) Summary of all existing waste dumps, mineral reject dump with details like area, co-ordinates, its height, existing volume be submitted.
- 42) Proposal for scientifically establishing the grade of all waste dumps, mineral reject and sub grade dump be submitted.
- 43) Built up of mineral rejects, sub grade and waste dumps from year to year to be shown in yearly plans and sections. Designed capacity & height of individual dump and

precautions envisaged for confinement of the dumps along with protective works, needs to be described along with its location and area covered.

- 44) Waste dumping has been proposed near to the proposed mining area be proposed in a area Proposed waste dump be shown as temporary waste dump, before proving the barrenness of the proposed waste dumping area. Environmental protection measures for the existing dump and proposed dump be discussed.
- 45) Year wise quantity of top soil likely to be generated needs to be furnished along with the arrangements for its storage giving its location and area covered.

**Progressive Mine Closure**

- 46) Suitable environmental protection measures be proposed to arrest dump wash off flowing to the seasonal nallah also flowing into the mining pit area.
- 47) The contour lines be shown in the key plan.
- 48) As per the key plan all the seasonal nallahs are not shown in the surface plan. Further discrepancy has been observed in the location of seasonal nallah as shown in the key plan and position of seasonal nallah in the surface plan, which be clarified and corrected.
- 49) Base line environmental information be submitted.
- 50) Year wise environmental protection measures like afforestation, check dam, siltation pond, retaining bund, environmental monitoring be proposed.
- 51) The net area already put to use is shown less in the surface plan. Further the area already put to use and proposed to be used is not taken into consideration for calculation of bank guarantee amount.

**Plans & Section**

- 52) The surface plan is not upto date as no of stocks have not been shown and other excavations are not shown in the plans.
  - 53) Pit area boundary and approach road be shown in the plans.
  - 54) In the environment plan the agricultural land, seasonal nallahs have not been shown.
  - 55) Conceptual plan and sections be prepared upto the exhaust of reserves/resources or end of lease period.
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भारत सरकार/Government of India  
खान मंत्रालय/Ministry of Mines  
भारतीय खान ब्यूरो/Indian Bureau of Mines  
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



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Room No.603, 6<sup>th</sup> Floor,  
CGO Towers, Kavadiguda,  
Secunderabad – 500 080  
Date. 28.02.2019.

To  
Sri V.Balkishan,  
M/S.Gutupalli Mining Co.,  
Plot No. 50,51,Avanthi Enclave,  
Madinaguda,Miyapur,  
Serilingampally,  
Ranga Reddy Dt.,T.S.-500 049.

Sub: Submission of Review of Mining Plan in respect of Gutupalli Iron Ore mine of M/S. Gutupalli Mining Co. over an extent of 19.94 Ha in Sy.no.716/P of Gutupalli Village, Bethamcherla Mandal, Kurnool district, A.P. submitted under Rule 17(2) of MCR, 2016.

Ref: Your letter no. nil dated. 12.02.2019.

Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 18.2.2019 by Shri S.K.Muduli,JMG, accompanied with Shri K.prabhakara Reddy,Q.P and Shri V.Balkishan representative of the Lessee and found certain deficiencies as given in Annexure. The same scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e., [kishan13536@yahoo.co.in](mailto:kishan13536@yahoo.co.in) and [sums.hpt@gmail.com](mailto:sums.hpt@gmail.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 K.Prabhakara Reddy, Qualified Person.

(Shailendra Kumar)  
Regional Controller of Mines

मूल पति पर नहींकध

खान नियंत्रक (द), भारतीय खान ब्यूरो, बेंगलुरु।

(शैलेन्द्र कुमार)  
क्षेत्रीय खान नियंत्रक