

SCRUTINY OF MODIFICATION OF MINING PLAN ALONG WITH PROGRESSIVE MINE CLOSURE PLAN SUBMITTED IN RESPECT OF GADABAVALASA MANGANESE ORE MINE OF SRI PRADEEP CHANDRA DEO OVER AN EXTENT OF 12.691 HA. IN GADABAVALSA VILLAGE, GARVIDI MANDAL, VIZIANAGARAM DISTRICT OF ANDHRA PRADESH, DOI-12.07.2019

General

- 1) As the last approved Mining Plan period has expired on 31.03.2019, Review of Mining Plan be submitted instead of Modification of Mining Plan. As the lease is going to expire on 31.03.2020 a Final Mine Closure Plan to be submitted u/r 24(1) of MCDR-2017 as per the format issued by IBM. Further the reason submitted for Modification of Mining Plan is not acceptable.
- 2) In the introduction chapter details of initial grant, transfer, renewal be submitted in tabular form mentioning the Order no with date lease, period, validity in tabular form and original be produced for verification.
- 3) Mine code is to be submitted.
- 4) The bench mark is to be transferred from nearest railway station or SOI triangulation point and is to be established in the mine.
- 5) Details of earlier approved mining plan, Review of Mining Plan, Modification of Mining, and Scheme of Mining plan to be submitted.
- 6) All the annexures have not been submitted and also not numbered correctly.

Review

- 7) Reason for non working of the mine be submitted correctly in the review chapter.
- 8) Status of compliance of violations and details of suspension /prohibitory order to be submitted in specific manner.

Geology

- 9) Briefly describe the topography, drainage pattern, vegetation, climate, rainfall data of the mining lease area.
- 10) All the Exploratory bore hole details along with summarized bore hole litho logs and grade to be submitted. All the Chemical analysis reports towards exploration by bore hole to be submitted.
- 11) Exploration be proposed to identify and explore the entire potential mineralised area within the lease as per the provisions of MCDR-2017. The exploration proposal will be in addition to the pending exploration. Further proposal for meter wise logging, meter wise sampling and analysis of the mineralised zone and analysis of the 10% of the total samples by NABL approved laboratory. Different category of UNFC Level wise explored area be assessed and demarcated in the Geological Plan and category wise resources with grade and area to be submitted in the text.
- 12) In the recovery test report the co-ordinates of samples collected be submitted, the average bulk density be submitted correctly and the average manganese ore recovery along with the corresponding grade of manganese ore is to be furnished.

As the cutoff grade is considered at 20% of Mn content and the present threshold value of Manganese ore is 10%, recovery test and bulk density test be done again any NABL accredited laboratory and report thereof be submitted. Reserves and Resources be estimated for manganese ore having Mn content more than and equal to 10%.

- 13) Proposal to be submitted for carrying out Petrographical, Mineragraphic study and complete major radicals including by-product analysis and details be discussed in the Geological Report.
- 14) In the parameters of reserves/resources estimation Ultimate Pit Limit (UPL) and 50m safety zone from public road be discussed.
- 15) Proposal be submitted to submit the Geological Report after completion of exploration over the entire potential mineralised area dully accessing the UPL based on break even stripping ratio.
- 16) The UNFC axis wise justification be furnished as per the guidelines of UNFC. In the feasibility axis in the environmental sub head the Environmental Clearance status be submitted. Market related information be submitted. As the Mining Machineries are to be hired, necessary changes to be done in the capital cost. Further the operating cost/tonne be submitted as per the format of annual return and for Fully mechanized operation instead of manual operation. Details of all statutory clearances be submitted in other factors.
- 17) Proposal be submitted for systematic and scientific sampling of so called waste dumps and the analysis done by NABL accredited laboratory to be submitted.
- 18) Details of all dumps (waste, mineral reject, sub grade) with location geo coordinates, volume, dimensions and grade be submitted.
- 19) The proposed waste dump area should be first proved for its non mineralisation before shifting of old waste dump and dumping of waste.
- 20) Mineral stack yard location, dimensions and volume be submitted in the text.

Mining

- 21) Co-ordinates and dimension of the existing mining pit and all types of dumps to be submitted.
- 22) Percentage of Slurry explosive and ANFO to be used for blasting along with powder factor to be submitted. Details of statutory permission required for mechanized mining and blasting be submitted. Bench parameters needs to be mentioned in the text. Necessary statutory permission to be obtained before carrying out blasting within 100m from public road.
- 23) Requirement of pump for water withdrawal has not been discussed. Thus the machinery requirement be reassessed and submitted.
- 24) Describe briefly the layout of mine workings, pit road layout, the layout of faces and sites for disposal of overburden/waste along with ground preparation prior to disposal of waste, reject etc. A reference to the plans and sections may be given. UPL or ultimate size of the pit is to be shown for identification of the suitable dumping site.
- 25) As waste dump rehandling is not for the purpose of recovery of mineral it should be submitted as shifting of waste dump. Quantity of waste to be generated vis-à-vis its disposal scheme alongwith the rehabilitation scheme, of the proposed and existing dumps should be discussed. A summary of all dump areas, its height, existing volume, degraded area for different types of wastes, mineral rejects, sub grade material etc. future plan for rehabilitation be discussed. This discussed plan should be supported with appropriate plan and enough number of sections. The ore: waste ratio proposed is not matching with that of the details submitted in the table no-25.
- 26) Conceptual Mine planning upto the end of lease period taking into consideration the present available reserves/ resources and balance reserves / resources, future scope of

mining, recovery of ROM, ultimate economic depth, Disposal of waste, backfilling of voids, pit slope stability, existing exploratory information, environmental protection, public safety measures, reclamation and rehabilitation showing on a plan with relevant sections be submitted.

27) Year wise generation of mineral reject with its size, grade, disposal (use and blending) and stacking to be submitted.

28) Mine Drainage chapter be discussed giving relevant information.

Reclamation

29) Base line information on environment to be submitted.

30) Terracing of Passive waste dump and active waste dump at the time of Final Closure of Mine be proposed and accordingly the area required for storing the waste be assessed and be submitted accordingly at all the relevant places in the plans and sections. Retaining bund/wall, Garland drain, catch drain and settling pond be proposed for waste dump management and for sub grade and mineral reject dumps giving details like location, co-ordinates, and dimensions be furnished.

31) Plantation to be proposed all along the 7.5m boundary safety zone with location, co-ordinates, types to be planted with nos.

32) Proposal to be submitted for carrying out barbed wire fencing all around the mining Pit before one of completion of the lease period.

33) Proposal be submitted for rain water harvesting structure within the mine.

34) Quarterly Environmental monitoring to be proposed with environmental parameters, location name, co-ordinates, distance from mine.

35) Proposal for disposal of mining machineries and other infrastructures like office building to be submitted. Details of existing mining machineries, crushing – screening units and other infrastructures with make, year of purchase, capacity and other specification, with present value after depreciation to be submitted. Chartered accountant certificate in respect of present values of mining machineries, crushing – screening units and other infrastructures be submitted.

36) Name, Location and mobile no of Hospital, police station and fire station be submitted in the disaster management and risk assessment.

37) Economic repercussions of closure of mine and man power retrenchment be submitted with respect to the Employment and wages details as per the man power details submitted in the annual return.

38) Time scheduling of closure to be submitted in tabular form. The time schedule of closure should contain activity, start date, time required and completion date. The closure cost be given activity wise.

39) Statutory obligations if any to be implemented legally by the lessee be submitted.

40) Area put to use for mining and allied activities be furnished correctly and accordingly the bank guarantee amount be calculated. Area put to use for waste dump, mining and infrastructure, workshop, administrative building and crushing-screening plant area have been shown less wrt the actual.

Plans & Sections

41) Bund all around the mining pit be demarcated in the surface and Geological plan. Mineral Stack yard to be demarcated correctly in the plan. Back filling in conceptual chapter is not correct hence the conceptual plan and the Conceptual sections be drawn from one end of the lease to another end duly modifying accordingly. All the Plans and sections to be

prepared as per rule 31,32 & 34 of MCDR-2017. Surveyor who has carried out the survey must sign the surface and Surface Geological Plan for correctness of the survey, drawing and Date of Survey should be mentioned in the plan.



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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Date. 16.7.2019.

Sri Pradeep Chandra Deo,
R/o C4/19, Area 7 & 8,
Civil Township,
Rourkela-769 004,
P.S.Raghunathpalli,
Sundargarh District,
Odisha State.

Sub: Submission of Modified Mining Plan in respect of Gadabavalasa Manganese Ore Mine over an extent of 12.691 Ha in Gadabavalasa Village, Garividi Mandal, Vizianagaram Dist, Andhra Pradesh, A.P. submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter no. nil dated. 10.6.2019

Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 12.7.2019 by Shri S.K.Muduli,JMG accompanied with Shri. P.R.MishraQP 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., pradeepchandradeo@gmail.com, earth_environment2008@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,

Sd/-

(Shailendra Kumar)
Regional Controller of Mines

Copy to Shri.P.R.Mishra., QP for information and necessary action.

Sd/-

(Shailendra Kumar)
Regional Controller of Mines

मूल पति पर नहींकः

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

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक