



भारत सरकार/Government of India
खान मंत्रालय/Ministry of Mines
भारतीय खान ब्यूरो/Indian Bureau of Mines
हैदराबाद क्षेत्रीय कार्यालय/Hyderabad Regional Office



Phone No. : (040)-27539992/2753993
Fax No.(TF): (040)-27539991
E-Mail : ro.hyderabad@ibm.gov.in
No. AP/VZNR/MP/Mn-75/Hyd
To

Room No.603, 6th Floor,
CGO Towers, Kavadiguda,
Secunderabad – 500 080
Date: 16.05.2019

Dr. Ganga Rao. B.S,Nominated Owner,
Flat No. L-1, Meher Apartment,
VIP Road, CBM Compound,
Visakhapatnam 530 003 A.P.

Sub: Submission of Modified Mining Plan in respect of Srikrishna Manganese Mine of M/s ASV Prasad Mining Pvt. Ltd., over an extent of 15.61Hc.a in Sy.No. 65(Old Sy.No.35AIC) of Gadabavalasa (V), Terlam (M), Vizianagaram District , A.P. submitted under Rule 17(3) of MCR, 2016.

Ref: Your letter no. nil dated.18.04.2019.

Sir,

With reference to your letter cited above on the subject, inspection of the mine was carried out on 03.05.2019 by Shri D.P.Ravi Kumar,AMG, accompanied by Dr.B.Ganga Rao,QP,G.Kanaka Naga Raju,Geologist and S.Durga Prasad,Mines Manager 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., bsgangarao@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 Dr. Ganga Rao. B.S., QP Flat No. L-1, Meher Apartment, VIP Road, CBM Compound, Visakhapatnam 530 003 - for information and necessary action.

(Shailendra Kumar)
Regional Controller of Mines

मूल पति पर नहींकध.

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

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

SCRUTINY CUM SITE INSPECTION REPORT OF MODIFIED MINING PLAN ALONG WITH FINAL MINE CLOSURE PLAN SUBMITTED IN RESPECT OF SRI KRISHNA MANGANESE MINE OF M/S ASV PRASAD MINING PRIVATE LIMITED OVER AN EXTENT OF 15.61 HA. IN D.GADABAVALSA VILLAGE TERLAM MANDAL, VIZIANAGARAM DISTRICT OF ANDHRA PRADESH STATE INSPECTED ON 03.05.2019 BY D.P.RAVIKUMAR, AMG,IBM, HYDERABAD ACCOMPANIED BY S/SHRI DR. B.S GANGA RAO, QP, G.KANAKANAGA RAJU, GEOLOGIST, S.DURGA PRASAD, MINES MANAGER.

GENERAL

1. The Consent letter /undertaking / Certificates from the Nominated Owner should be submitted on Company's Original letter head duly dated and signed.
2. In the introduction chapter lease valid date at each stage grant/renewal be mentioned starting from the initial grant.
3. The modification of the mining plan has been submitted for 2019-20 & 2020-21. But the reasons for such modifications is missing in the document, thereby the same should be furnished at the appropriate of the document along with correct rule position. FMCP need to be submitted along with MMP.
4. In para 1 (a) The board resolution for appointment of nominated owner be submitted in original company's letterhead. . Since this is a company, list of board of Directors, with address, phone no. fax no. and e-mail address should be furnished. The certificate of company registration is not legible thus a clear legible copy be submitted.
5. At page No.5 the Toposheet number and readings of Latitude & Longitude are not matching with Key Plan. The same should be corrected.
6. All the Plans be submitted in 1:1000 scale with 1m contour interval.
7. The status of compliance of violations issued to be mentioned.
8. The list of leases held by the lessee in the state to be provided.
9. Date of survey be mentioned in the plans and the sections should be signed by DGMS certified surveyor for its correctness and its accuracy.
10. All the annexures have not been submitted and numbered correctly.
11. Experience certificate of the qualified person be submitted.

REVIEW

12. The review of mine development (production and disposal of waste submitted are not correct. The review of mineral reject / sub grade, afforestation, reclamation and rehabilitation, violation be submitted correctly. Reason be submitted for non generation of sub grade manganese ore.
13. It is mentioned that at page No. 7 that the validity of last approved document is 31.03.2020 instead of 19.05.2020 i.e expiry of mining lease. Accordingly, the date should be changed.

GEOLOGY AND EXPLORATION

14. Dimensions of the existing mining pit be submitted correctly.

15. At page No.13, para (e)(ii), the details of exploration carried since inception of mining operation till 2018 to be given in tabulated form i.e year, BH number , location(coordinates), nature of bore Hole(core / DTH), depth (max-min), mineralized / non mineralized , inclination etc. The relevant forms for intimation of borehole and borelogs to be as annexures.
16. Details like year of exploration, Co-ordinates, Collar level, angle and depth of all the drilled bore holes with type along with summarized litho logs and average grade be submitted.
17. Furnish year wise BHs drilled, sampling and analysis with expenditure incurred with annexures.
18. Proposal for exploratory core drilling, meter wise logging, sampling of the mineralised zone, meter wise analysis and analysis of 10% of the total samples by NABL approved laboratory or any Govt Laboratory be proposed.
19. Dimensions of 4 nos exploratory trail pits dug for recovery test is different from the details submitted in page-20.As the exploratory pits are already mined its details cannot be considered for reserves/resource estimation.
20. The recovery test was done in 2014 and all the samples were collected from the mining pits. Mining has advanced depth wise in these four years, thus recovery test be done again furnishing the grade with recovery and bulk density for different types of manganese ore occurring in the mine.
21. Since the lease period is upto 19.05.2020, the reserves estimated should be properly classified with appropriate axis..The reserves left over after 19.05.2020 can;t be considered in 111 axis.
22. The UNFC axis wise justification be furnished as per the guidelines of UNFC.
25. At page No. 20, it is mentioned that the year wise programme of exploration is furnished from 2018-19 to 2021-22 instead of 2019-20 to 2020-21. The same should be corrected accordingly.
23. The subgrade generated and dispatch be furnished. Further proposal be submitted for generation, stacking and use of sub grade.
24. In the feasibility axis in the environmental sub head the Environmental Clearance (EC), CFE and CFO details have not been mentioned. The capital cost of mining machineries after deducting the depreciation cost be submitted. The capital details as submitted in the annual return for the year 2017-18 and submitted in the draft document are not matching with each other, which be clarified. Further the operating cost/tonne be submitted as per the format of annual return.
25. Resource need to be assessed as per threshold value published by IBM & classified correctly as per UNFC as per threshold value with grade.
26. Section wise manganese ore and sub grade manganese ore have been estimated but the same is not matching with the Sections drawn. None of the section is having sub grade ore. The Geological section should be prepared showing Ore and sub grade or different type of grades available.
27. Details of all dumps (waste, mineral reject, sub grade) with location, geo coordinates, volume, dimensions and grade be submitted.

MINING

28. The existing bench heights and width needs to be regularized, thus proposals be submitted accordingly in the first year itself.
29. Production be proposed within the limit of the production proposals of the balance period of the last approved mining plan document.
30. Pit slope stability study from any reputed Govt organization like National Institute of Rock Mechanics, be proposed.
31. 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.
32. Quantity of waste to be generated vis-à-vis its disposal scheme along with 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.
33. The year wise production and development plan the layout of mine working with amount of advance to be made length wise, width wise, height, direction, co-ordinates, level (in mRL), volume, the road lay out (in and out) to the mining pit/workings have not been furnished.
34. The year wise production may be proposed in the area where the reserves are assessed in proved in G1 or G2 axis.
35. The conceptual mining chapter be discussed considering the ultimate economic depth, pit slope stability, existing exploratory information, balance reserves / resources, future scope of mining, environmental protection.
36. Generation of mineral reject (size & grade), grade, disposal and stacking be discussed.

MINE DRIANAGE

37. The para wise information to be furnished in the chapter. Minimum and maximum depth of water table in the form of Mrl basedon observations from near by wells and water bodies to be given in tabulated form.
38. The details of water drawn from external source and arrangement of its recycling may be given for domestic and industrial purpose separately. Source of external water to be mentioned , if any.

STACKING OF MENERAL REJECT / SUB GRADE MATERIAL AND DISPOSAL OF WASTE: The table presented on page 51 to be revised as per following format.

Year	Pit	Disposal of Top soil(Cum)	Disposal of waste	Disposal of Mineral reject			
		Re use /Spreading	Storage	Backfilling	Storage	Blending	Storage
2019-20							
2020-21							

39. The location and extent of the proposed dumps area to be given. Also give the details of the existing dumps (top soil, waste dump, mineral reject dump) within the lease area in tabulated form comprising dump number, location, extent, designed capacity, present quantity, remaining quantity, bottom RL and Top R L, year wise area proposed for back filling to be indicated.

PROCESSING OF ROM AND MINERAL REJECT

40. The desired output manganese ore grade to be obtained & feed manganese ore grade be discussed. Generation of tailing with its disposal and grade be submitted.

ANY OTHER INFORMATION

41. The details of Employment potential and Management & supervisory Personnel's are not furnished in the form of table. Further, proposed man powers both direct and contractual has to be mentioned in the text.

FINAL MINE CLOSURE PLAN

42. Final mine closure plan be submitted as per the format issued by IBM and supported by necessary plans and sections.
43. Proposal for fencing of the complete mining pit area be proposed.
44. Proposal for stabilization of the waste dump be proposed in the first year itself. Proposal for prevention of erosion, siltation and dust generation from waste dumps be submitted.
45. Proposal for decommissioning of mining machineries and their possible post mining utilization be submitted. Also decommissioning of processing plant be proposed.
46. Statutory obligations if any to be implemented legally by the lessee be submitted.
47. The details of infrastructure available, to be retained after decommission and Proposed measures to be taken for remaining structures for their protection and future use be submitted.
48. At page No. 64, the economic repercussion due to closure of mine have not been explained properly. Envisaged repercussions on the expectation of the society due to closure of mine . Number of local residents employed in the mine, compensation, satellite occupations should be describe considering the impact of closure of mine
49. Abandonment cost as furnished has not includes the safety measures implemented to prevent access to surface openings, excavations etc. The cost of maintenance, security and supervision has also been not included at page No.65.
50. Time scheduling and closure cost be submitted.

PLANS AND SECTIONS

51. Surface Plan: An updated surface plan with latitude, longitude of all corner pillars should be furnished. Few pillars may be correlated with some permanent ground features giving distance and direction. The location of so many stack yards in the plan may be checked & plotted correctly.
52. Geological Plan: The mineralized area should be shown distinctly on geological plan and section along with scale of exploration.
53. In Geological section stocks have been shown, but same was not found during the inspection. Hence be corrected.
54. Environmental Plan: All existing features available within 500m radius of the lease area should be clearly marked on this plan.

ANNEXURE

55. The balance amount of Financial Assurance calculated to be submitted along with final copies.
56. The list of annexures must be numbered referring no. of how many pages. how many pages. Further, the annexures must be given dates pertaining to each letters for reference.
57. During the inspection it is observed that the retaining wall & check dam are constructed. The photographs are the same should be enclosed. Further, the details of the same should be included in the text and relevant plans & sections also.
