



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)- 29553603/29554603
E-Mail: ro.hyderabad@ibm.gov.in
No. AP/VZNR/MP/Mn-81/Hyd..

Room No.603, 6th Floor,
CGO Towers, Kavadiguda,
Secunderabad – 500 080
Date: 26.04.2022.

To
Sri A.K.Saxena, Director (Operations)
Nominated Owner,
M/s Rashtriya Ispat Nigam Limited,
2nd Floor, Main Administrative Building,
Visakhapatnam Steel Plant,
Visakhapatnam-530 031,
Andhra Pradesh State.

Sub: Submission of Modified Mining Plan in respect of Garbham Manganese mine of M/s Rashtriya Ispat Nigam Limited over an extent of 264.54 ha in Garbham village, Merakamudidam Mandal, Vizianagaram District of Andhra Pradesh State submitted under Rule 17(3) of MCR, 2016.

Ref: 1. Your Email dated. 05.04.2022.


Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 12.04.2022 by Sri Shaival Kartikeya, SMG accompanied by Sri V.Vijay Vivekananda, and Dr. D.Naga Sridhar, Qualified Persons. The draft Modified Mining Plan has been examined and the scrutiny comments have already been forwarded to you and your Qualified Person on respective e.mail ids i.e aksaxena@vizagsteel.com, vvnanda@vizagsteel.com and dnsridhar@vizagsteel.com as submitted in the document.

02. You are advised to attend the 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 (4Nos.) In this regard, you are also advised to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rs.Five 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,

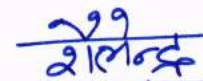

26/4/22.

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

प्रतिलिपि सुचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित

1 खाननियंत्रक (द), भारतीय खानब्यूरो, बेंगलुरु।

2. Shri V.Vijay Vivekananda, and Dr. D.Naga Sridhar, Qualified Persons.


26/4/22.

(शैलेन्द्र कुमार)
क्षेत्रीय खान नियंत्रक

Annexure

Scrutiny comments on examination of Modified Mining Plan including PMCP of Garbham Manganese Mine over an area of 264.54 Hect. of M/s Rashtriya Ispat Nigam Limited in Garbham Village, Merakamudidam Mandal, Vizianagaram District of Andhra Pradesh State inspected by Shri S. Kartikeya, Senior Mining Geologist on 12/04/2022

- 1) **General oversight & Cover Page:** (a) According to the enclosed mining lease deed, the validity of the mining lease will expire on 07/10/2022 and no further renewal for extension of the mining lease as per the Mineral (Mining by Government Company) Rules, 2015 has been done so far. Since, the validity of the earlier approved Scheme of Mining Plan will expire on 07/10/2022, hence, according to the MCR, 2016, the Review of Mining Plan under rule 17(2) of MCR, 2016 should be submitted considering the period of Review of Mining Plan i.e. starting from 08/10/2022 to 31/03/2023 as First Year and the Five Year proposal should be restricted up to F.Y. 2026-27. Essential corrections should be done accordingly in all the relevant places. (b) **Cover Page:** (i) Mining Lease period should be mentioned. (ii) Complete address, qualification and other relevant information of the qualified person should be mentioned. (iii) IBM registration no., Mine Code, Complete address of the lessee including email Id and the phone no. should be mentioned in the Cover Page. (iv) Relevant rule no. for the Progressive Mine Closure Plan should be mentioned in the cover page. (c) Instead of blank column/row, N.A. or appropriate information may be given for better identification with proper justification in the Remarks column. (d) All the pages of the document including annexure should be numbered and duly signed by the Qualified Person for better authenticity. (e) Since the lessee is a Limited company, hence, a term Messrs (M/s) should be written as Prefix in all the respective places of this document. (f) Instead of Year 1, 2, 3, 4 and 5, specific financial year should be mentioned in all the applicable places of this document. (g) The mining lease consists of three different blocks, whereas, in the text, this information has not been provided.

Chapter No. 1.0 General Information

- 2) Page no. 3: Para 1.1.1: (a) Name of the lessee should be written according to the name mentioned in the mining lease deed. (b) The mining lease has been granted from 17/08/1982 to 07/10/2002, whereas, lease deed has been executed on 10/08/1982 before grant of the mining lease. Same should be clarified. Hence, date of initial grant and the date of execution should be cross checked and corrected accordingly.
- 3) Page no. 4: (a) Para 1.2: Individual Cadastral wise details should be given. (b) Para 1.3.1: Para 1.3: Incorrect period for the Mining Plan has been mentioned.
- 4) Page no. 6: Para 1.3.5.1: (a) Whether the DGPS/GPS co-ordinates are authenticated by the Competent Authority of respective State Government, should be mentioned. (b) Referred annexure no. 19 has not been enclosed.
- 5) Page no. 10: Para 1.3.6: Email Id of the nominated owner should be corrected.

Chapter No. 2.0 Geology and Exploration

- 6) Page 14; Para 2.1.3: Source of the Geological Succession should be mentioned for reference.
- 7) Page no. 21: (a) Para 2.2.1.7: Grid spacing may also be mentioned for the boreholes drilled during last plan period. (b) Para 2.2.1.9 and 2.2.1.10: (i) Appropriate information of the sampling should be given. (ii) Complete details of the exploration agency should be given. Further, expenditure incurred for exploration may also be given. (iii) Whether 10% of samples have been analysed from the NABL/Govt. Laboratory or not should be given. NABL/Govt. Test Reports may be enclosed for supporting.
- 8) Page no. 25: Para 2.2.2.9 and 2.2.2.10: Appropriate information of the sampling should be given.
- 9) Page no. 29 to 32: Para 2.2.4.2, 2.2.4.11 and 2.2.4.12: Complete details and the calculation should be furnished in these tables. Empty tables may not be considered.

File No.: AP/VZNR/MP/Mn-81/Hyd

- 10) Page no. 33: Para 2.4.13: (a) Average grade of other radicals may also be mentioned. (b) Reserves and Resources should be estimated as on 01/04/2022. (c) Detail estimation of the calculation of the existing dumps where the mineral will be recovered during Review Period along with the recovery of the ore may be furnished. (d) Para 2.5.5.1: During inspection it has been observed that the mining lease area has not been explored completely. Hence, an appropriate borehole planning should be given in accordance with the UNFC norms given in the MEMC Rule, 2015. Further, detailed structural mapping is also required to know the control of mineralization within lease area.

Chapter No. 4.0 Mining

- 11) Page no. 42: (a) Para 4.1.1 and 4.1.2: Existing and proposed method of mining should be elaborated considering the achievement of the proposed production target in manner of scientific, systematic and sustainable development. (b) Para 4.2.1.1: UTM co-ordinate range of the existing non active pits should be given. (c) In view of the systematic mining, all the inactive dumps should be accumulated and converted into one dump over the non-mineralised zone within lease area.
- 12) Page no. 47; Para 4.3.3: Calculation of the dumper requirement should be cross checked and corrected accordingly. Further, requirement of 1 no. of dumper/tipper to meet the annual production target and waste handing is scientifically incorrect. Hence, proposal for the deployment of more dumpers should be given.

Chapter No. 5.0 Sustainable Mining

- 13) (a) Para 5.1: All the essential information should be given based on the proposed production during five year plan period as well as proposed CSR activities under company act. (b) To improve the Ratings under the Sustainable Mining, all the parameters may be considered and likely to be covered, as prescribed in the template as well as in the manual.

Chapter No. 6.0 Progressive Mine Closure Plan

- 14) Page no. 67; Para 6.2.2.2: During inspection it has been found that several old pits and quarries are kept abandoned without any protective measures. Hence, suitable proposal for protective measures around abandoned quarries should be given.
- 15) Page no. 70; Para 6.2.6: Proposal for year wise recreational facility should be given.
- 16) Non-mineralised area should be converted into green belt during review period.

Chapter 7.0 Financial Assurance / Performance Security

- 17) Page no. 78; Para 7.1: (i) Area should be calculated upto third decimal. (ii) Complete details of the Bank Guarantee should be given. E.g. Bank Guarantee No., Date of Issue, Name of the Bank etc. (iii) Claim period should made upto 31/03/2028.

Chapter No. 8.0 Review of Previous Proposals

- 18) (a) Review should be given upto March 2022. (b) Year wise proposal and its achievement for exploration, ore recovery from the old dump, production of ROM/Ore, Topsoil Generation, Reclamation & Rehabilitation, Backfilling, Afforestation etc. should be given.

Enclosure:

- 1) Copy of all the Mining Lease deed including amalgamation deed should be enclosed.
- 2) Board Resolution for Nominated owner should be enclosed. Self attested copy of the Nominated owner should be enclosed.
- 3) Feasibility study Report should be prepared and enclosed.
- 4) Copy of the Financial Assurance should be enclosed.
- 5) Chemical analysis test reports of the boreholes samples drawn during last review of mining plan has not been enclosed.
- 6) List of enclosure is not matching with the supporting document enclosed.

Plates:

- 1) **General:** (a) Index of the Plates is not matching with the enclosed plates. (b) Location Plan may be drawn separately. (d) Development and Production proposed during F.Y. 2021-22 may be marked in all the relevant plan and section with dotted line for better identification. (e) Bench RL, bottom RL of the pit and top RL of the dumps should be marked in all the Plans and Sections.
- 2) **Plate I; Key Plan:** Co-ordinate range of the mining lease area may be drawn.
- 3) **Plate IIB; Lease Plan:** Copy of the Original Lease Map may be enclosed.
- 4) **Plate III; Surface Plan:** Human settlements have not been marked.
- 5) **Plate IV; Surface Geological Plan:** (a) Wherever the mineral is covered/capped with the topsoil/OB may be marked with specific symbols over the manganese pattern. (b) Cross section line should be drawn in 50 meters interval for precise estimation.
- 6) **Plate V; Geological Cross Sections:** (a) Ultimate Pit Limit and the UNFC codes have not been mentioned in any section. (b) Manganese band should be coloured for better identifications. (c) The drawn cross section does not reflect the actual subsurface geology and the mineralization of the manganese ore. (d) 7.5 m barrier zone have not been marked in any of the sections. (e) Area covered under statutory barriers should be marked distinctly for better identification. (f) Without any exploration and the subsurface data, estimation has been done for Block A and B.
- 7) **Plate VI; Production and Development Plan and Sections:** (a) Subsequent changes (Year wise) in the RL of Topsoil Dump and Working Pit should be marked in all the sections. (b) 7.5 m barrier and other statutory zones should be shown in all the relevant sections as well as in the index. (c) UPL should be marked in all the sections.
- 8) **Plate 11; Financial Assurance Plan:** Area utilization in different heads should be marked with the distinct patterns for better identification in the plan.
