



भारत सरकार GOVERNMENT OF INDIA
खान मंत्रालय MINISTRY OF MINES
भारतीय खान ब्यूरो INDIAN BUREAU OF MINES
क्षेत्रीय खान नियंत्रक के कार्यालय
OFFICE OF THE REGIONAL CONTROLLER OF MINES

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No. FMCP/A/05-ORI/BHU/2021-22

Date: 11.02.2022

To

Shri Amarendu Prakash, Director & Nominated Owner,
M/s Steel Authority of India Ltd,
Rourkela Steel Plant, Rourkela,
Odisha-769011

Sub: Approval of Final Mine Closure Plan of Purnapani Limestone & Dolomite Mine over an area of 230.525 ha in Sundargarh district of Odisha State, submitted by M/s Odisha Mining Corporation Ltd under Rule 24 of MCDR, 2017.

Ref: - i) Your Qualified Person letter No. MCPL/IBM/FMCP/PL&DQ/83 dated 21.01.2022 received on 31.01.2022.
ii) This office letter of even no. dated 08.02.2022.


Sir,

This has reference to the letter cited above on the subject. The draft of Final Mine Closure Plan (FMCP) has been examined in this office based on site inspection carried out on 08.02.2022 by Shri Dayanand Upadhyay, Senior Assistant Controller of Mines. The deficiencies observed are enclosed herewith as Annexure - I.

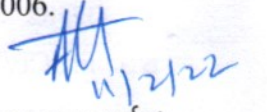
You are advised to carry out the necessary modifications in the draft Final Mine Closure Plan in the light of the contents vide Annexure - I and submit **three (3) firm bound and two (2) soft copies of the document text in CD in a single MS Word file (the drawing/plates in Auto CAD compatible format or JPG format in resolution of 100x100 pixels on same CD)** with financial assurance under Rule 27 of MCDR 2017 of the Final Mine Closure Plan within **15 (fifteen)** days from the date of issue of this letter from the date of issue of this letter, for further necessary action. If the total page of annexures exceeds 50 (Fifty) then it should be submitted as separate volume. But reference of these annexures must appear in the Final Mine Closure Plan document. The plates are also to be submitted in separate volume.

The para-wise clarifications and the manner in which the deficiencies are attended should invariably be given while forwarding the modified copies of the Final Mine Closure Plan. It may be noted that no extension of time in this regard will be entertained and the Final Mine Closure Plan will be considered for rejection if not submitted within above due date . It may also be noted that if the deficiencies are not attended completely, the submission would be liable for rejection without further correspondence.

भवदीय,


(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

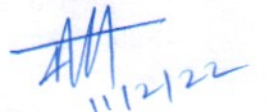
Copy for kind information and further necessary action to Shri S.C. Nayak, M/s MINESKETCH Consultants (P) Ltd, Flat No-205, Bhagwan Tower, Cuttack Road, Bhubaneswar-751006.


11/2/22

(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

N.O.O:

Copy for kind information to the Controller of Mines (EZ), Indian Bureau of Mines, CP-13, Sector V, Salt Lake City, Kolkata- 700 091


11/2/22

(बाबुलाल गुर्जर)
क्षेत्रीय खान नियंत्रक

Scrutiny comments on examination of FMCP of Purnapani Limestone and dolomite quarry of M/s SAIL, over an area of 230.525 Ha in Sundergarh district of Odisha State .

General:

1. The mining operation is discontinued since 01/03/2004 however the reason of discontinuance of mining operation is not described in introduction chapter. The letter received from State Govt. regarding of submission of FMCP should be highlight in introduction chapter and marked with annexure. The reason for submission of FMCP as mentioned is due to un-economic mining operation. Therefore parameters considered for uneconomic mining operation may be justified with details analysis report.
2. As per the supplementary lease deed, the lease period was valid up to 31/03/2020. Further it has been mentioned that that the lessee has applied for extension of lease period under the provision of Mineral (Mining by Central Govt. Company) Rules 2015. Therefore update position may be submitted with documentary evidence.
3. The conditions imposed while execution of lease deed in reference to reclamation and rehabilitation may be submitted with their compliance report.
4. Sequence of Para and its numbering as per IBM Manual appraisal MP 2014 should be covered in text. All the annexure have not been properly indexed/ numbered/ paged and signed by qualified person. All the certificates/annexures should bear dated signature.
5. Recent photographs of pits, dumps, afforestation and reclamation and rehabilitation carried out should be enclosed.

FMCP TEXT:

6. Page-8, the area furnished under limestone quarry under para type of lease area is not matched with the area under mining as furnished under present land use pattern. The land use pattern as furnished should be re-checked and it should be in line of earlier approved document.
7. Page-5, method of mining and mineral processing operations pertaining to lease area applied for surrender has not been mentioned.
8. Chapter 1.1, Page-9, the reasons for closure in relation to uneconomic operations as stated have not been justified properly. The parameters considered for uneconomic mining operation may be justified with details analysis report and suitability of their steel plant with other technical constraints like AI percentage. Further the high stripping ratio as furnished is not justified with time series data.
9. Para-1.2, Page-10, The legal obligations, if any which the lessee is bound to implement like directive issued by State Govt. or from other agencies are to be furnished alongwith documentary evidence.
10. Para-1.3, a copy of the resolution of the Board of Directors or any other appropriate administrative authority as the case may be on the decision of closure of mine may be submitted.
11. Page-17, total lease area explored under various categories is not furnished as per UNFC guidelines and as per provisions of MEMC Rules 2015. It may be revised accordingly.
12. Page-21, the resources as furnished based on the last approved plan/scheme is miss-matched in respect of total quantity and grade. It should be re-checked and corrected. The economic axis and pre-feasibility axis have not been explained properly in light non feasible of mineral resources.
13. Pre-feasibility study to establish the said reason i.e. "mining is not feasible due to un-economic operation", may be submitted with constraint of grade and other technical parameters. Cost-Benefit analysis and financial appraisal to be carried out based on real time cost involved.
14. Para-2.3, method of mining has not been described properly. Mining activity is closed for a long period but reason of closure and date of closure of mining lease has not been furnished with documentary evidence.
15. Para-3.0, in review of implementation of mining plan/scheme of mining proposal have not been furnish reason discontinuance of mining operation in the deviation column.
16. Para 4.1, Page No- 35, Describe the proposals to be implemented for reclamation and rehabilitation of mined-out land including the manner in which the actual site of the pit will be restored for future use. The proposals may be supported with relevant plans and sections depicting the method of land restoration / reclamation / rehabilitation.
17. Page-39, the processed ore lying at the crusher site should be calculated in terms of quantity and quality and its future utilization or protection measures are to be furnished. Further protective measures for waste dump/mineral and plantation to be carried out should propose in specific time manner and same is to be depicted in reclamation plan.
18. Para-4.7, the details of existing infrastructure available in the lease area should be furnished in tabular form and their decommissioning should be furnished in time bound manner. Any infrastructural facility which is which is an essential commodity or related to basic needs should be hand over to local administration for their future use.

19. Para-4.9, safety and security i.e securing the excavation pits, waste dumps/mineral reject/fines stacks etc are to be proposed. The manner in which dumps are to be stabilized should be discussed.
20. Para-6.0, time scheduling for abandonment of mines considering the activity like waste dump management (Garland drain, retaining wall, settling tanks plantation), safety and security (fencing of pits, dumps etc), Disposal of machineries, reclamation & re-habilitation, infrastructure, protective measures of environment should be furnished and these activities should be clearly shown on reclamation plan.
21. Para-7, abandonment cost as furnished in tabular form 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.
22. Para-8.0, Amount of financial assurance should be submitted as per rule 27(1) of amendment MCDR-2021.
23. A certificate may be submitted duly signed by the lessee to the effect that said closure plan complies all statutory rules, regulations, orders made by the Central or State Government, statutory organizations, court etc. have been taken into consideration and wherever any specific permission is required the lessee will approach the concerned authorities. The lessee may also give an undertaking to the effect that all the measures proposed in this closure plan will be implemented in a time bound manner as proposed.

PLATES :

24. All plans and sections should be signed with date by Qualified Person. All plans and sections shall show a scale of the plan at least twenty five centimetres long and suitably subdivided.
25. Key Plan: The key plan should incorporate all features as mentioned Rule 32 5 (a) of MCDR 2017. The approach road to the lease area should be shown.
26. All the prominent surface features may be indicated on the Surface plan. Few pillars may be correlated with some permanent ground features giving distance and direction.
27. The Surface Plan should be prepared to satisfy the provision as laid down rule 32 (1) (a) of MCDR'2017. All the boundary pillar coordinates to be given in UTM co-ordnate. All the updated boundaries of Waste dump, Mineral reject dumps to be shown on the plan.
28. In geological plan and sections, UNFC boundaries have not been plotted as per the provision of MEMC Rules' 2015. The lithology is to be updated in geological sections on basis of structure exposed in trench of the dismantled railway line. The UNFC codes is to be furnished correctly sections as per MEMC Rules' 2015.
29. Proposals of land restoration/reclamation/rehabilitation, afforestation, waste dump management, safety and security etc should be depicted in Reclamation Plan yearwise with different colour codes. The engineering drawing of proposed fencing wall with measurement and sketches of retaining & garland wall, settling pond should be furnished.
30. The Environment Plan should be satisfied the provision as laid down rule 32(5)(b) of MCDR2017. Contours in 60m periphery of lease boundary may be shown.