

भारत सरकार  
खान मंत्रालय  
भारतीय खान ब्यूरो  
क्षेत्रीय खान नियंत्रक का कार्यालय

No. MPM/OTFM/29-ORI/BHU/2016-17

Plot No. 149, Pokhariput  
Bhubaneswar – 751 020  
Date: 07.03.2017

To

✓ Shri S A Karim, Mine Owner,  
C/o- Shri S A Halim,  
Post Box No.35, Barbil,  
Dist- Keonjhar, Odisha-758035

Sub: Approval of Modification of Mining Plan along with Progressive Mine Closure Plan under Rule 17 of MCR, 2016 of Asanbani Iron Ore Mine of Shri S A Karim over an area of 1.157 ha in Mayurbhanj district of Odisha.

Ref: - i) Your letter No. 1278 dated 16.02.2017.  
ii) This office letter of even no. dated 21.02.2017.  
iii) This office letter of even no. dated 21.02.2017 addressed to Director of Mines, Government of Odisha copy endorsed to you.

Sir,

This has reference to the letter cited above on the subject. The draft of Modification of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on site inspection carried out on 05.03.2017 by Shri Ramkishan R, 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 Modification of Mining Plan along with Progressive 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 Modification of Mining Plan within **15 (fifteen)** days 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 Modification of Mining 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 Modification of Mining Plan along with Progressive Mine Closure Plan. It may be noted that no extension of time in this regard will be entertained and the Modification of Mining Plan along with Progressive 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 / yours faithfully,

(HARKESH MEENA) 17

क्षेत्रीय खान नियंत्रक / Regional controller of Mines

**Scrutiny comments in respect of Modification of Mining Plan of Asanbani  
Iron ore Mine, of Shri S A Karim in district Mayurbanj of Odisha**

**Text:**

**GENERAL**

1. The document titled shall also include the progressive mine closure plan under 23 of MCDR'2017 besides to modification of mining plan
2. The lessee is registered partnership firm as stated, supporting documents shall be enclosed.
3. In Introduction describe about the details of consent to operate obtained from SPCB. The documents shall also be enclosed.
4. All annexures shall be properly indexed.
5. In the review of earlier mining scheme, proper justification for deviation of exploration & afforestation programme shall be given. Status of compliance of violation pointed out by IBM, Suspension/closure/ prohibitory orders issued by statutory bodies under court of law and justification for modification of mining plan shall be furnished. In page no 6 it is mentioned that mine was closed from 30.11.2011, up to what period it was closed shall be mentioned.
6. The lease is under deemed extension from 04.07.2017 to 04.07.2047, formal communication from state government if any shall be enclosed in this regard. Provide details regarding the lease execution for the extended period.
7. During field inspection it was reported that the mine was not operated during the last scheme of mining period, under different reasons. The reasons shall be furnished in detail.

**GEOLOGY AND RESERVE**

8. Detailed geology of the lease area shall be furnished
9. Documentary evidence shall be given for the amount spent towards drilling as a part of exploration as stated in page no.10. As reported during filed inspection Four no of exploratory drill holes were drilled. Details regarding those needs to be explained and Form J & K shall be enclosed.
10. The reserves estimated under 111 categories shall be properly justified, with the boreholes depth drilled in the existing quarry. The other UNFC reserves / resources shall also be properly justified under different categories.
11. Specific gravity considered for subgrade ore and waste shall be mentioned for calculations with justification.
12. Undertaking shall be given to complete the entire potentially mineralised area under G1 level with in a period of 5 years as per the rule 12 (4) of MCDR 2017. Accordingly proposal of exploration may be given.

### MINING

13. Section wise details of excavation of ore, subgrade and waste shall be furnished.
14. Life of the mine shall be explained considering the available reserves / resources and proposed production rates. Ultimate pit limit shall also be mentioned.
15. Benches of different heights are mentioned in page no 27 but only 3 m height bench is proposed in mining chapter, Clarify the same.
16. Justification shall be given for considering the ore recovery of 72%, 8% subgrade and 20% IB, in ore zone volume considered.
17. Stripping ratio of the mine shall be addressed.

### **STACKING OF MINERAL REJECTS AND DISPOSAL OF WASTE**

18. The stacking and utilisation of generated sub grade / mineral reject during scheme period shall be properly addressed.

### **USE OF MINERAL AND MINERAL REJECT**

19. Furnish the details of physical and chemical specifications stipulated by buyers.

### PROGRESSIVE MINE CLOSURE PLAN

20. The area matured for back filling & reclamation shall be furnished.
21. The proposed location of the saplings may be shown on environment management plan.
22. At the end of scheme of mining mined out land is 0.6312 Ha, whereas area reclaimed & rehabilitated during the scheme end of scheme period is 0.05 ha only. Clarify the same with area matured for reclamation. Area matured for reclamation shall also be furnished in page no 36
23. Environment management monitoring data shall be enclosed.
24. Summary of proposals during the scheme period for reclamation and rehabilitation works shall be provided.

### **FINACIAL ASSURANCE PLAN**

25. The amount of financial assurance shall be calculated as per the guidelines given in rule 27 of MCDR 2017 notified in February 2017.

### Plates:-

#### **General:**

26. Wind direction may be shown through wind rose diagram at the top right corner of the relevant plans. Access routes to the lease area on topographical map shall be shown.

27. True and magnetic north shall be depicted in all plans with date and variation.

28. All plans and sections should be signed with date by certified Surveyor, Qualified Person, Mine Manager, Mining Engineer and Mining Geologist as per provisions of Rule 30 of MCDR, 1988 and Rule 66 of MMR, 1961. All plans & sections prepared shall follow the conventions mentioned under MMR 1961.

29. Grid lines area not matching with the azimuth directions shown on the plan. It shall be corrected.

**Surface Plan:**

30. All boundary pillars coordinates in UTM, Latitude and longitude to be shown in tabulated form on surface plan. Few pillars may be correlated with some permanent ground feature giving distance and direction.

**Geological Plan**

31. Boreholes drilled shall be shown on the plan and sections.

32. The section lines shall be drawn in reference to the grid or strike / dip direction of the deposit. Structural details like strike and dip direction with dip amount shall be shown on the plan.

33. UNFC categories shall be properly marked on the plans and sections.

**Progressive Mine Closure plan**

34. Spot mRL to be mentioned in backfilled area.

35. During field inspection it is reported that backfilling area is in the disturbed safety zone area between boundary pillar I and A. the area proposed to be backfilled shall be clearly marked on the plan with quantity of waste material required.

**Environment plan**

36. The proposed environment protective measures to be shown in environment plan.

**Key Plan**

37. Co-ordinates of extremity of lease area shall be shown on key plan. Population density of villages shall be shown on the plan.

**ENCLOSURE:**

38. Proper indexing of annexures needs to be done.