

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

No. MPM/OTFM/18-ORI/BHU/2016-17

Plot No. 149, Pokhariput
Bhubaneswar – 751 020
Date: 25.10.2016

To

✓ Shri Vivek Lall, Mine Owner,
Plot No- H/1, 7 & 8 Area, Civil Township,
Rourkela, Sundargarh
Odisha- 769004

Sub: Approval of Modification & Review of Mining Plan of Tunmura Limestone & Dolomite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 64.308 ha in Sundargarh district of Odisha State, submitted by Shri Vivek Lall under Rule 17 of MCR, 2016.

Ref: - i) Your letter No. Nil dated 19.09.2016 received on 05.10.2016.
ii) This office letter of even no. dated 05.10.2016.

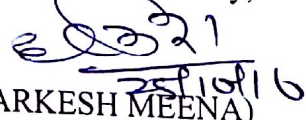
Sir,

This has reference to the letter cited above on the subject. The draft of Modification & Review of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on earlier site inspection carried out on 19.05.2016 by Shri N M Dey, Assistant Mining Engineer. The deficiencies observed are enclosed herewith as Annexure I.

You are advised to carry out the necessary modifications in the draft Modification & Review 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 23 F of MCDR 1988 of the Modification & Review 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 & Review 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 & Review 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 & Review 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)

क्षेत्रीय खान नियंत्रक / Regional controller of Mines

Scrutiny comments in respect of Modification and Review of Mining Plan including Progressive Mine Closure Plan (PMCP) of Tunmura Limestone & Dolomite Mine over an area 64.308 ha in Sundergarh district of Odisha state, submitted by Shri Vivek Lall under Rule 17 of MCR, 2016 for the period 2017-18 to 2021-22.(upto 24.03.2022)..

INTRODUCTION:

1. On the cover page and front page it is mentioned that period of lease is 25.03.1972 to 24.03.2022. Supporting document / mining lease deed / supplementary deed up to 24.03.2022 has not been enclosed. Renewal of mining lease has been dispensed with under Mines & Minerals (Development & Regulation) Amendment Act 2015. As per Section 8A (3) of the MMDR Amendment Act 2015, henceforth all the mining leases granted before the commencement of this act shall be deemed to have been granted for 50 years. Supplementary lease deed may be prepared / executed. Since the lease is to be expired on 24.03.2022 after 50 years, lessee should submit an undertaking to submit a Final Mine Closure Plan before expiry of lease.

2.0 LOCATION AND ACCESSIBILITY

1. Location of lease is not matching properly in Key plan as per DGPS coordinate, it should be rectified.
2. Latitude and Longitude of all boundary pillars / points have not been mentioned in the Surface Plan.
3. Surface right area has not been marked on the Surface plan.
4. Surface plan has not been signed and certified to be correct by a statutory / registered / certified Surveyor with date and certificate number.
5. An undertaking should be submitted that, the lease boundary demarcation on the basis of geo-referenced cadastral map to be prepared by the ORSAC / any agency approved by the State Government will be treated as the actual lease map.

3.0 DETAILS OF APPROVED MP / SOM (if any) :

1. Actual exploration carried out and actual production achieved during the plan period 2012-13 to 2016-17 was very less against the proposal in the Mining Plan approved on 23.03.2012.. Though the mine was working whole 5 years plan period without any discontinuance (except 14.08.2014 to 25.07.2015) under which circumstances the proposal was not achieved, may be clarified.

PART - A

1.0 GEOLOGY AND EXPLORATION

1. The details of exploration already carried out along with supporting data and the area explored under different level of exploration may be marked on the geological plan and UNFC code for area considered for different categories of reserves / resources estimation may also be marked on geological cross sections.

A summary of lease area explored as per UNFC norms indicating G1, G2, etc. should be given in the following format.

Item of information	Lease area explored as per UNFC norms(in ha) as on dated....					Remarks / Comments including reasons for not carrying out the exploration as per UNFC norms.
	Total Lease Area = A+ B+ C+D+E					
	G1 Level 1 A	G2 Level B	G3 Level C	Explored and found non-mineralised with level of exploration (Remarks) D	Unexplored Lease Area E	
Lease Area as per level of exploration						
No of BH drilled						
No of BH considered for Resour estimation						
Meterage Drilled						
Grid interval						
Scale of Mapping						
Reserve estimated after above exploration as on dated.....						
Remaining Resource after above exploration as on dated....						
Total Reserve / Resource after above exploration as on dated...						

Exploration proposed and carried out :								
Years	Exploration proposed			Achieved / Carried out			Gap in exploration, if any	Remarks / Reason for gap in exploration
	No of BHs	Grid interval	Meterage Drilled	No of BHs	Grid interval	Meterage Drilled		

- Exploration proposal should be given for entire lease area and the same should be completed within this scheme period as per directive of ministry of mines vide letter number 10/75/2008-MV dated 23rd Dec 2010. An undertaking to complete exploration in time bound manner should be enclosed.
- At page no.17 it is mentioned that 4 DTH BH (3 in limestone zone and 1 in dolomite zone) have been drilled whereas at page no.16 it is mentioned that 2 DTH holes have been drilled, clarify and correct the same.
- The life of the mine is to be reported both in terms of available reserves and resources.
- Separate Geological sections has not been submitted. The same have been drawn in the Geological plan but in the legend the same has not been mentioned.

2.0 MINING

1. Layout of mine workings, pit road layout, layout of faces and sites for disposal of OB /waste should be described.
2. On Surface plan Dump -3 has been shown and nothing mentioned about Dump -1 & 2. In the Development Plan existing Dump-3 has not been shown. Clarify.
3. Surface right over 12.695 ha out of total lease area 64.308 ha has been obtained. The same has not been marked on the Development plan. But proposal for new Dump, Mineral rejects dump, Stack yard for Limestone & dolomite and extension of Quarry 1 & 2 etc have been shown in the Development plan covering whole lease area. Lessee should submit an undertaking indicating that the proposal will be implemented only after obtaining the surface right from the state Govt.

3.0 MINE DRAINAGE

There is one seasonal nallah (Nakti Jor) flowing within the lease area. Describe likely quantity of rain water to flow through lease area and arrangement for arresting solid wash off etc from the mine run off.

4.0 STACKING OF MINERAL REJECT / SUB GRADE MATERIAL AND DISPOSAL .

OF WASTE.

1. The dimensions of existing dumps, their area along with number of terraces & their levels to be furnished as per following table. Steps proposed to be taken from the beginning of this Scheme period for their rehabilitation to be spelt.

Name of the Mine		As on date:						
Sl No.	Dump Number	Location	Length	Width	No. of Terraces	Top mRL	Bottom mRL	Grade

The dump analysis report should be from a lab accredited by NABL or government lab.

5.0 PROCESSING OF ROM AND MINERAL REJECT

1. Though the ore produced is being utilized in the various consuming industries after resorting to mechanical crushing at plant site, describe briefly the processing indicating size and grade & recovery etc.

6.0 OTHER

In the Employment potential the requirement of Mine Surveyor has not been proposed. Since the mine is a Category A (OTFM) mine Mine Surveyor is required for systematic & scientific working of the mine.

7.0 PMCP UNDER RULE 23 OF MCDR, 1988.

1. Name of persons, designation with address and phone along with respective responsibilities should be detailed under disaster management & Risk Assessment
2. Protective measures already carried out and proposed should be given in tabular form.

PART B

8.0. List of the Plans and Sections to be submitted :

Key Plan :

1. Location of lease is not matching properly in Key plan as per DGPS coordinate, it should be rectified.

Surface Plan. (Plate II)

1. Magnetic meridian has not been mentioned.
2. Latitude and longitude of all boundary points have not been mentioned on surface plan.
3. The Surface right acquired area has not been marked on surface plan..
4. Surface Plan has not been signed by Mine Surveyor with date and certificate number.

Geological Plan: (Plate III)

1. Magnetic meridian has not been mentioned.
2. Different zone of proved, probable reserve and other resources have not been marked on Geological plan and section based on exploration so far carried out as per UNFC norm. The lateral and depth wise extension taken for marking such zone of mineral may be detailed in text part also. Separate **Geological Section** has not been submitted. The sections have been drawn in this plan but in the legend the same has not been mentioned.

Development Plan (Plate IV)

1. Magnetic meridian has not been mentioned.
2. The Surface right acquired area has not been marked on Development plan..

Development Section (Plate IVA)

1. Level of exploration as per UNFC and UNFC code have not been mentioned.

9.0. List of documents to be annexed :

- a. Chemical analysis of ore from NABL Accredited laboratory to be furnished. It is advised to submit the supporting Certificate of Accreditation in favour of the laboratory from NABL (National Accreditation Board for Testing and Calibration Laboratories) Department of Science & Technology, India.
- b. Some photographs of ML boundary pillars showing pillar name and its co-ordinates,, mining, waste dumping, environmental protection aspects and other allied activities of the mine should be enclosed.