



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/2020-21

दिनांक / Date: 19.03.2021

To

Shri Vivek Lall, Mining Lessee,  
Plot No-H/1, 7&8 Area, Civil  
Township, Rourkela, Dist-Sundargarh,  
Odisha-769004.

Sub: Final Mine Closure Plan of Tunmura Limestone and Dolomite Mine over an area of 64.308 ha in Sundargarh district of Odisha of Shri Vivek Lall submitted under Rule-24 of Mineral Conservation and Development Rules, 2017.

Ref: -i) Your letter no. nil dated 01.03.2021 received on 09.03.2021.

ii) This office letter of even no. dated 09.03.2021.

iii) This office letter of even no. dated 09.03.2021 addressed to the Director of Mines, Govt. of Odisha, copy endorsed to you.

Sir,

This has reference to the letters cited above on the subject. The draft Final Mine Closure Plan (FMCP) has been examined in this office based on site inspection carried out on 13.03.2021 by Shri G. C. Sethi, Deputy 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 USB Pendrive/Flashdrive in a single MS Word file (the drawing/plates should be submitted in Auto CAD compatible format and JPG format in resolution of 100x100 pixels on same USB Pendrive/Flashdrive)** with financial assurance under Rule 27 of MCDR' 2017 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 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 / yours faithfully,

(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

Copy for kind information and necessary action to:-

1. Shri S. C. Nayak, Qualified Person, M/s Minesketch Consultants (P) Limited, Flat No-205, Bhagwan Tower, Cuttack Road, Bhubaneswar-751006.

(HARKESH MEENA)

क्षेत्रीय खान नियंत्रक / Regional Controller of Mines

18/07/20

**SCRUTINY COMMENTS ON EXAMINATION OF FINAL MINE CLOSURE PLAN FOR THE LEASE EXPIRING ON 24.03.2022 IN RESPECT OF TUNMURA LIMESTONE & DOLOMITE OF SHRI VIVEK LALL, OVER AN EXTENT OF 64.308 HECTARES, LOCATED IN VILLAGES TUNMURA & JHARBEDA UNDER KUTRA TAHASIL OF SUNDARGARH DISTRICT OF ODISHA STATE, SUBMITTED UNDER RULE 24 OF MCDR, 2017.**

(1) In the front cover, under rule 24 of which MCDR, the FMCP has been submitted should be specified. Besides, the provisions of MMDR Act, 2015 may also be indicated. In the front cover, the period for the FMCP has been submitted not mentioned. It should for year for 2020-21 & 2021-22 upto 24.03.2022)

(2) In the introduction chapter, in the heading of the para 1.0, a reference of Rule 25 of MCDR,2017 has been incorporated, which has no relevance with the FMCP as, no FMCP for the mine has been submitted earlier. Moreover, modification of mining plan has no link with the FMCP and FMCP is a separate document. Therefore, the FMCP should be prepared considering the prevailing guidelines. Accordingly, the FMCP proposal is required to be re-examined carefully touching all the vital aspects which is practicable for proper implementation.

(3) On examination of the academic qualification & experience of the qualified person enclosed as annexure-1, it is found that, the copy of the RQP certificate issued underMCDR,1960 has been enclosed, which is uncalled for and must be erased.

(4) The copy of the supplementary lease deed has been enclosed as annexure-4, whereas, the copies of initial/renewed lease is missing, which should also be submitted.

(5) The plate for geo referenced map has not been submitted along with the letter enclosed as annexure-9 for the purpose, which should be submitted.

(6) The Form-J for the boreholes to be drilled during 2012-13 has been furnished in the enclosed annexure12, instead the drilled status of boreholes against approved proposal given in the review of mining plan and modification of mining plan during the last five years to be furnished as required under the statute and requirement of MCDR, 2017.

(7) The chemical analysis report in support of the grades of limestone and dolomite has not been enclosed as annexure-14 & 15 but the reports are old analysed during the year 2014, thereby the fresh report for ascertained grades to be submitted from Govt. /NABL accredited laboratory.

(8) The bulk density study report both for limestone & dolomite is found enclosed as annexure-16 but the report is old analysed during 2017, thereby fresh report should be obtained either from a Govt. /NABL accredited laboratory & submit along with the document for ease in monitoring.

(9) The recovery test report both for limestone & dolomite is found enclosed as annexure-17 but the report is old analysed during 2017, thereby fresh report should be obtained either from a Govt. /NABL accredited laboratory & submit along with the document for ease in monitoring.

(10) The environmental monitoring reports for ambient air for the month of September has been enclosed as annexure-20, instead the analysis report on account of air, water, noise & vibration for last four seasons should be submitted either from NABL accredited laboratory or from Govt. laboratory for ease in monitoring.

(11) The compliance of conditions imposed while execution of lease deed, approval of mining plan, MOEF, SPCB may be submitted with remarks, if any deficiency is observed. The relevant document may be attached as annexure top the FMCP.

(12) The grade of ROM, clean/saleable ore and mineral reject & waste should be furnished in remarks column. Besides, the proposal furnished in table for handling of waste, extent of area utilization, stacking and environmental protective measures should be in line with the latest

approved document. It is also found that, at many places the proposal is indicated to be Nil, which should be addressed properly. Besides, the actual achievements against the proposals for the year 2020-21 (up to February 2021) should also be furnished along with the proposal for the year 2021-22 (up to 24.03.2022). No specific data for limestone and dolomite has been given in the connected tables, which may also be addressed properly. (Para 1.4 & 3.1)

(13) The balance reserves/resources as on 01/02/2021 have not been furnished separately for forest and non-forest area as per guidelines, which should be furnished on the basis of valid mining plan.

(14) The co-ordinates of corner boundary pillars should be furnished in terms of latitude and longitude with UTM co-ordinates at the relevant places.

(15) All the achievement as furnished against the proposals should updated as on 01.02.2021. Besides, the balance proposal as on 24.03.2022 may also be submitted for all the items. (Para 5.0)

(16) The updated information of the exploration as on 01/04/2020 for the year 2020-21 to be furnished with intimation of Form-I under rule 47 of MCDR2017. (Para 5.1.1 to 5.1.7)

(17) Quantity of overburden/waste backfilled, dumped as per guideline in terms has not been furnished in the remarks column as the mine was under operation for some day during 2020-21. (Para 5.1.7)

(18) Quantity of mineral reject generation from limestone and dolomite not furnished in terms of mineral reject generated, utilized and stacked. (Para No. 5.1.7)

(19) Suitable protective measures on account of reclamation & rehabilitation for 2020-21 (upto 13.01.2021) need be furnished with actual achievements upto 01.02.2021 & the balance status upto 24.03.2022 may also be furnished. (Para 5.2 & 5.3)

(20) Total lease area explored under different categories is not furnished in forest and non-forest. On the basis exploration carried out during 2020-21, explored lease area has not been updated and chemical analysis from NABL accredited lab has not been furnished. As per the requirement, information should be furnished accordingly below:

| Sr no.                         | Modifying factor                  | Brief details of the applicable factors causing blockage of resources | Blocked resources (in T) | UNFC category |
|--------------------------------|-----------------------------------|-----------------------------------------------------------------------|--------------------------|---------------|
| 1                              | Technical factors                 |                                                                       |                          |               |
| 2                              | Statutory factors                 |                                                                       |                          |               |
| 3                              | Market or economy related factors |                                                                       |                          |               |
| 4                              | Others                            |                                                                       |                          |               |
| Total Blocked Resources (in T) |                                   |                                                                       |                          |               |

(21) The enhancement of reserve & resources may be updated on the basis of exploration carried out as on 01.02.2021 and revised explored area under G1/G2 may be furnished in relevant paras.

(21) Details of top soil and waste/OB/MR etc. disposal manner during the closure period of one year should be furnished in revised format as below:

| Year  | Top soil (cu.m) |                  | OB/Waste (cu.m) |        |
|-------|-----------------|------------------|-----------------|--------|
|       | Top soil reuse  | Top soil storage | Backfilling     | Dumped |
| I     |                 |                  |                 |        |
| Total |                 |                  |                 |        |

(22) The FMCP has not been prepared as per the guidelines specified for the purpose. Therefore, in view of the above, the rectification of the scrutiny items furnished below may also be incorporated in the FMCP document after correcting the FMCP Format.

(23) Briefly describe the proposed dumping ground within lease area be proved for presence or absence of mineral with reference of bore holes data in the relevant paras.

(24) Quarry wise backfilling proposal should be furnished after mentioning the para. The details of the reclamation/rehabilitation programme during the final closure also be submitted for the year 2020-21 & 2021-22 upto 24.03.2022. The actual achievements as on 01.02.2021 may also be submitted. The proposals may be supported with yearly plan and sections depicting the progress in the activities for land restoration/ reclamation/rehabilitation, afforestation etc. called "Reclamation Plan".

(25) Describe the proposals to be implemented for securing the excavation /pits /mineralized dump or mineral rejects stacks/fine stacks by means of fencing etc. Explain the safety measures implemented to prevent access to surface openings, excavations etc. The lessee should ensure fencing of any excavation endangering fall of persons/cattle etc. in terms of rule 26 of MCDR2017. The proposal may be supported with yearly plan and sections depicting the progress in the activities for protective measures like fencing etc. called "Reclamation Plan".

(26) All the active dumps should be proposed with extension of retaining wall and garland with settling tanks with proper terracing and stabilization of slope. The dead dumps should be proposed for fully rehabilitation by plantation and with gap plantation if necessary. The proposed and existing retaining wall, garland drain and settling tanks should be clearly marked year wise on reclamation plan.

(27) The details of existing infrastructure available in the lease area should be furnished in tabular form and their present value after depreciation. Further their future utilization should be evaluated on case to case basis. The de-commissioning cost and final value of the decommissioned infrastructural facilities if any may be furnished. Accordingly, de-commissioning of mining machineries and their possibility of post mining utilization if any may be described in connected paras.

(28) The economic repercussions due to closure of mine have not been explained properly. Besides, number of local residents employed in the mine, compensation, satellite occupations should be describe considering the impact of closure of mines in relevant paras.


(29) Plate FMCP/III (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.

(30) Plate FMCP/IV (Geological Plan & Sections): An updated Geological plan and sections considering the exploration carried out in proposed period plan upto 01/02/2021 should be furnished. Besides, the mineralised area should be shown distinctly on geological plan and sections. Different level of exploration like G1, G2, G3 etc. in line with MEMC rule 2015 to be depicted on geological plan and UNFC codes should clearly furnished in sections.

(31) Plate FMCP/V (Environment Plan): All existing features available within 500m radius of the lease area should be clearly marked on this plan.

(32) Separate plates for final mine closure plan & financial assurance plan has not been enclosed and the same is required to be submitted.

(32) On examination of the proposed land degradation status of the PMCP proposal of the modification of the mining and FMCP proposals are not matching, which should be reconciled. land degradation in the FMCP should be reconciled

  
20.03.2021  
(G. C. SETHI)

Deputy Controller of Mines