



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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BHUBANESWAR-751020

No. MPM/A/42-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: Modification of Mining 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-17 (3) of MCR,2016.

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.

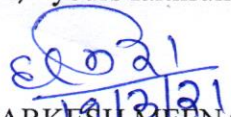
Sir,

This has reference to the letters cited above on the subject. The draft Modification of Mining Plan along with Progressive Mine Closure Plan has been examined in this office based on site inspection carried out on 12.03.2021 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 Modification of Mining 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 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. It may be noted that no extension of time in this regard will be entertained and the Modification of Mining 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

SCRUTINY COMMENTS ON EXAMINATION OF MODIFICATION OF MINING PLAN FOR TUNMURA LIMESTONE AND DOLOMITE MINE OF SHRI VIVEK LALL, OVER AN EXTENT OF 64.308 HECTARES, LOCATED IN TUNMURA & JHARBEDA VILLAGES, UNDER KUTRA TAHASIL OF SUNDARGARH DISTRICT OF ODISHA STATE, SUBMITTED UNDER RULE 17(3) OF MCR, 2016.

- (1) On examination of surface right order, dated 01.12.1995, it is found that, an extent of 4.99 acres of land has been accorded permission by the district collector but the total extent of lease area for which the lease was granted and executed for 64.308 ha. Therefore, the extent of lease area for which the surface right has been granted in different occasions should be furnished. Accordingly, the data furnished in enclosed annexure-5 may also be revised. Besides, corresponding changes may also be made in other relevant places of the document.
- (2) The copy of the blasters license issued by the competent authority for carrying out blasting operations is stated to be enclosed as annexure-11 but the same is missing.
- (3) The copy of the Form J for drilling 3 nos. of boreholes during 2013-14 is enclosed as annexure-12 but the status of holes drilled beyond 2013-14 to 2020-21 has not been submitted.
- (4) Litho logs for the already drilled 3 nos. of boreholes are enclosed as annexure-14 but the depths of the holes are restricted 10-15m. Moreover, no photograph of the borehole logs has been submitted. Besides, the status of boreholes logs of the drilled holes beyond 2013-14 to 2020-21 has not been submitted. Moreover, 10% of the borehole logs should be analysed through 3rd party NABL. The analysis reports enclosed as annexure-15 are very old and analysed during 2014, thereby not acceptable. Therefore, fresh analysis report either from Govt. laboratory or from NABL accredited laboratory should be submitted replacing the enclosed data for clarity.
- (5) The bulk density report for limestone and dolomite enclosed as annexure-16 are every old analysed during 2017, which is not acceptable. Therefore, fresh report on account of the above should be obtained either from Govt. laboratory or from NABL accredited laboratory and submit along with document for ease in monitoring.
- (6) The recovery test report for limestone and dolomite enclosed as annexure-17 are every old analysed during 2017, which is not acceptable. Therefore, fresh report on account of the above should be obtained either from Govt. laboratory or from NABL accredited laboratory and submit along with document for more informative.
- (7) The ambient air quality analysis, flue gas, effluent, soil, surface water, noise level & vibration level monitoring reports has not been enclosed and the data for the same for all four seasons should be submitted for ease in monitoring.
- (8) No photographs in support of existing quarry, backfilling, existing waste dump, boundary pillars existing exploration, afforestation & rehabilitation etc. have not been enclosed and the same should also be submitted for more informative.
- (9) A copy of the valid Bank Guarantee matching to the ensuing modification period has not been enclosed and the same should be submitted.
- (10) In case of individual or partner, a declaration/affidavit should be submitted to know whether he is working in other firms/company/organization etc.

(11) The period and validity of the modification & review of mining plan furnished in item No. 4 of the table given in the para under reference is appears to be not correct, which should be checked and corrected. Besides, the copies of the approval letters of the mining plan/scheme of mining/modification & review of mining plan may also be submitted. (Para 3.1)

(12) The proposed and actual achievements status on account of exploration, development, production, sub-grade /mineral rejects generation, waste generation, dumping, reclamation, rehabilitation & plantation etc. both in limestone & dolomite portion for the period 2017-18 to 2020-21, which should be carefully examined and real data against each row and columns should be furnished, for which the very purpose of modification of mining plan has been submitted. Accordingly, corresponding changes may also be made in connected paras in the text of the document. (Para 3.3)

(13) The entire lease area should be proposed under exploration atleast up to G2 level during the year 2021-22 as per the requirement of MCDR, 2017 & the exploration proposal furnished in the para under reference may also be revised. Accordingly, necessary incorporations /modifications may also be made in other relevant places of the document & relevant plates. [Para 1.0(i)]

(14) The status existing quarries & dumps should have been furnished in the chapter geology and exploration. While calculating the reserves/resources, the existing quarry status should have been taken into account. The status and location co-ordinates for the quarry & dumps should be furnished. Moreover, nothing has been mentioned about the existing status of reclamation, rehabilitation, afforestation etc., which should be given and the para may be revised. [Para1.0 (j)]

(15) On examination of the para, under reference, it is found that, one of the reason for submission of the modification is for enhancement of production, which is not acceptable. Instead suitable valid reasons for submission of modification to be incorporated and the para may be revised accordingly. (Para 3.6)

(16) The dimension of the existing quarries has been furnished in tabular form but the location co-ordinates of such quarries is missing, which should be furnished by adding one more column in the table for more informative. [Para 2.0(A)(a)]

(17) (i) Under the heading In-situ Tentative Excavation, the following observations are made: (i) The recovery percentage of the limestone, dolomite and mineral rejects generation from both & waste generation is missing. (ii) The grades of limestone, dolomite, mineral rejects (limestone & dolomite) and the waste may also be furnished supported by authenticated chemical analysis report. Accordingly, corresponding incorporations /modifications may also be made in connected paras in the text & relevant plates. [Para 2.0(b)(l)]

(18) Quarry wise excavation planning for limestone and dolomite indicating the total excavation has been furnished in column no. 3 of the table and production proposal for limestone and dolomite has been furnished in column no. 6 and 7 respectively, but the percentage recovery of limestone and dolomite has not been furnished, the may be given. Independent quarries for excavation of dolomite are not permitted as the dolomite is a minor mineral not coming under the purview of Indian Bureau of Mines. Moreover the benches proposed for the excavation planning

with top and bottom mRL with location coordinates of the excavation planning for each year may also be furnished at relevant places in the text of the documents.

(19) Specific information for dolomite production has been furnished in the table no. 2.2 but no clarity whether the production proposal of dolomite is from intermittent bands of limestone deposit or from independent quarries may be clarified. If the dolomite production is proposed from independent quarry without limestone, the proposal for the same is not acceptable as dolomite is a minor mineral for which Indian Bureau of Mines is authorized to deal with. Besides, the location coordinate of the proposed excavation planning for limestone and dolomite from the proposed quarries may be furnished in the table 2.1 and 2.2 with proper plate reference. (Table No. 48)

(20) The Ore: OB ratio for each year of the ensuing modification period has not been computed in the relevant tables, which should be computed and furnished.

(21) An extent of 13.131ha is proposed to be degraded /utilised by end of the plan period but the proposed status of land degradation /utilisation in different counts for each year of the ensuing modification period is missing, which should be furnished by adding one more table for ease in monitoring. (Page No. 69)

(22) Plate MMP/I (Key Plan): The details of the deficiencies found on the plate are as follows: (i) The index reference given for lease area is not matching with that of the plan portion of the plate. (ii) The index for the different type of roads shown on the plan is missing, which should be suitably indexed. Besides, road is for village road or for mine road or for public road may also be specified (iii) Direction of flow of nala is missing on the plan. (iv) Type of forest land available in the area may also be specified.


(23) Plate MMP/III (Surface Plan): (i) As this is an old mine, nothing has been depicted for existing waste dump and the same may furnished pit /quarry wise and accordingly, the status for the same may also be furnished in connected paras in the text for ease in monitoring. (ii) At least three permanent ground control points beyond the lease area has not been selected, which should be done. Besides latitude and longitude of those ground control points should be furnished and the ground control points need to be linked with boundary pillars. (v) Surveyor signature is missing, which should be signed by a competent surveyor.

(24) Plate MMP/IV (Geological Plan): (i) During the field visit, it is found that, the portion of the existing quarry has been extended towards western side beyond the surface right area; the reason for the same may be explained with valid reasons. (ii) The exploration proposal has been furnished against the modification period should be restricted only for the year 2021-22. As per the requirements new Minerals (Evidence of Mineral Contents) Rule,2015, the level of exploration at different stages (G1,G2,G3,G4) and unexplored area should be properly defined in tabular format and the same should be marked on the geological plan. (ii) The exploration proposal covering the entire lease area to the G2 level of exploration should be proposed and the same should be completed by 2021-22. Besides, certain boreholes also to be proposed adjacent to those boreholes which were terminated within the ore zone with the purpose to prove the depth continuity of the ore body. Accordingly, necessary modifications/incorporations may also be made in Geology and Exploration chapter.

(25) Plate MMP/ IV(A) (Geological Sections): (i) None of the geological sections are matching with the features shown on the geological plan. (ii) Many of the litho units depicted on the plan are found to be not correct as per their locations. Accordingly, the plate submitted for all the geological sections may also be revised suitably.

(26) Plate MMP/VI (Environment Plan): On the plan, 500 meter of the lease area has not been marked, which should be done depicting all existing features available with in the 500 meters & the plate may be revised accordingly.

(27) Plate MMP/IX (Conceptual Plan): Conceptual plan & sections should be furnished showing the details of workings upto the lease period.


17-03-2021

(G. C. SETHI)

Deputy Controller of Mines