

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

No. MPM/OTFM/06-ORI/BHU/2017-18

Plot No. 149, Pokhariput  
Bhubaneswar – 751 020  
Date: 21.06.2017

To

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

Sub: Approval of Modification 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 18.05.2017 received on 30.05.2017.  
ii) This office letter of even no. dated 30.05.2017.  
iii) This office letter of even no. dated 30.05.2017 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 08.06.2017 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 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 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)

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) The voter ID in favour of Shri Vivek Lall, enclosed as annexure-3 is not clearly legible; thereby a fresh & legible copy of the same should be submitted.
- (2) On examination of the supplementary lease deed, enclosed as annexure-4, it is found that, the lease has been extended upto 31.03.2020, whereas in front cover the same is mention to be 24.03.2022, thereby necessary corrections may be made accordingly at all the relevant places.
- (3) Litho logs for the already drilled boreholes are enclosed as annexure-10 but the holes are coring or non-coring type has not been mentioned. Besides, the Form-J for such boreholes has not been enclosed. Moreover, no photograph of the borehole logs has been submitted.
- (4) The modification of the mining plan has been submitted for the period from 2017-18 to 2021-22 but the copies of the approval letters of the mining plan/scheme of mining approved in different occasions has not been enclosed, which should be submitted for more informative.
- (5) The photo copy of renewed lease deed/supplementary deed has been enclosed as annexure-4 but the lease map/plan attached to the lease deed is missing, which should be submitted.
- (6) The copy of the explosive procurement license issued by the competent authority in favour of the applicant has not been enclosed. Besides, a copy of the blasters license issued by the competent authority for carrying out blasting operations may also be submitted.
- (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) On examination of the certificate from the qualified person, it is found that, the provisions of Mineral Conservation and Development Rules, 1988 has been observed, which should be removed and the certificate may be revised accordingly.
- (12) In 2<sup>nd</sup> para of the introduction chapter, nothing has been mentioned about the execution status of the supplementary lease deed, which should be furnished indicating the period for which the lease has been extended by the State Govt. of Odisha for more informative. (Page No.1)
- (13) In 3<sup>rd</sup> para of the page under reference, a mention has been made about the preparation status of the modification and review of mining plan for the period from 2017-18 to 2021-22 upto 24.03.2022 but nothing has been mention about the approval status of the aforesaid modification

and review of mining plan. Besides, as per the refer para 3.1, the modification and review of mining plan has been approved for five years period from 2012-13 to 2016-17, thereby necessary corrections/incorporations may be made not only in this para but also at all other places of the document for clarity. (Page No.2)

(14) In 4<sup>th</sup> para of the page under reference, the modification of mining plan has prepared for the period from 2017-18 to 2021-22 (upto 24.03.2022, the end of the lease period) but as per the supplementary lease deed enclosed as annexure-4, the lease has been extended upto 31.03.2020. In the light of the above, the para may be revised accordingly.

(15) 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)

(16) Under the heading of the para under reference, it is mentioned that, no modifications were approved during the last five years, whereas as per this office record a modification & review of mining plan was approved on 16.11.2016, thereby the information furnished in the para should be revised accordingly. (Para 3.2)

(17) The letter reference & date of approval of the last approved document is missing, which should be furnished in the para under reference for ease in monitoring. (Para 3.3)

(18) On examination of the para, under reference, it is found that, one of the reason for submission of the modification is for disposal of the generated waste material in construction and maintenance of nearby roads, which is not permitted as all the mining & allied activities are restricted to lease area only. Therefore, no dumping beyond the lease area is allowed unless, the same is permitted by the competent revenue authority of the State Govt. (Para 3.6)

(19) 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 4.5.1)

(20) The DTH/non-core and core drill holes are stated to have been furnished in annexure-11 but such information is not to be seen in the above referred annexure, thereby correct annexure reference should be furnished. (Para 4.5.2)

(21) M/s superintendence Company of India (Pvt.) Ltd., is considered as NABL accredited laboratory but valid NABL Accreditation certificate in favour of aforesaid company has not been furnished & the same should be submitted. (Para 4.5.3)

(22) The proposed exploration in the form of boreholes has been furnished in the page under reference but the holes are coring or non-coring type has not been specified. Besides, the location coordinates of such bore holes are missing and same may be furnished adding one more column in the table for more informative. (Page No.19)

(23) The status existing quarry has been furnished in tabular form but nothing has been mentioned about the existing status of dumps/stacks, reclamation, rehabilitation, afforestation etc. The same may be furnished and the para may be revised accordingly. (Para 5.1.1)

(24) 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. (Page No.37)

(25) The Ore: OB ratio for each year of the ensuing modification period has not been computed in the table given in the page under reference, which should be computed and furnished by adding one more column in the table for more informative. (Page No.38)

(26) Under the heading **land degradation/utilisation**, an extent of 14.460ha is proposed to be degraded /utilised by end of the conceptual 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. 47)

(27) Under the heading **post mining land use plan**, an extent of 6.400ha of area has been proposed under plantation but the year wise proposal for the same is missing. Likewise, an extent of 13.212ha has been proposed to be utilised for reclamation/water storage but the year wise proposal for the same also not given and the same may be furnished. (Page No.48)

(28) Specific information for dolomite production has been furnished in the table no. 5.2 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 5.1 and 5.2 with proper plate reference. (Table No. 5.2)

(29) Location coordinates of proposed generation status of topsoil, OB/waste and mineral rejects may be furnished on the para under reference. (1<sup>st</sup> table of Para 7.1)

(30) The location coordinate of the waste disposal may also be indicated in the table given in the para under reference. (2<sup>nd</sup> table of Para 7.1)

(31) The extent of area put to use in different counts during the proposed modification period is considered to be for 12.348ha, for which the financial assurance has been computed, whereas on examination of modification & review of mining plan, approved on 16.11.2016, for the period from 2017-18 to 2021-22, the extent of area put to use is found to be 18.213ha but it is not known, why the extent of put to use for the same period of the modification (2017-18 to 2021-22) has been reduced to 12.348ha may be explained. It is also found that, there is no change in production quantities both in review of mining plan and ensuing modification of the mining plan. Therefore, in the modification of the mining plan, the extent of area put to use should not be changed. Accordingly, the calculation of financial assurance given in the in the para under reference should be revised considering the proposed land degradation status in the review of mining plan approved in the last occasion. (Para 11.6)

(32) All the plan & sections submitted along with the modification of mining plan should be certified by the Qualified Person indicating that, the plans and sections are prepared based on the lease map authenticated by the State Govt. of Odisha and found to be correct.

(33) Plate-I(A)(Geo-referenced Map): (i) The covering letter of Geo referenced map certified by ORSAC has not been enclosed. (ii) The mining lease has been granted and executed over an extent of 64.308ha but the Geo referenced map has been prepared over an extent of 65.612ha, which is not matching with the extent of lease area. (iii) Further DGPS map of the lease area should be certified by the State Govt. authorities.

(34) Plate-II (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.

(35) Plate-III (Geological Plan): (i) During the field visit, it is found that, the portion of the existing quarry-1 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 1<sup>st</sup> year, 2<sup>nd</sup> year etc. instead financial years should be given for ease in monitoring. In the light of the above, the plate may be revised suitably.

(36) Plate-IV (Development Plan): (i) A composite development plan has been submitted by depicting five year proposal, instead year wise plan & sections for the purpose should be submitted as the mine falls under category-A (OTFM). Besides, it is found that, the excavation planning for quarry No.2 has been proposed only for dolomite during each year of ensuing modification period, which is not permitted as the dolomite is a minor mineral as State Govt. authorities has been empowered for the same. (ii) In the index, year wise dumping proposal for the ensuing modification period has been given and the proposed status for the same is missing on the plan, which should be depicted. Accordingly, the plate submitted for development sections may also be revised suitably. In the light of the above, specific information may be furnished in connected paras of the text & other relevant plates.

(37) Plate-V (Key Plan): (i) As per the index, there are almost two parallel roads are passing within 5 km radius of the of the lease area, but it is not known whether these roads are public road, mine road or village road should be specified. If the roads are public road to which important places both ends of the roads leads to may also be marked. (ii) Population of village falling within the 5 km radius of the lease area is missing, which should be furnished. (iii) Direction of flow of nala has not been marked, which may also be indicated. (iv) The index reference given for reserved forest/village forest has not been correctly marked on the plan portion of the plate, the same may be furnished with forest density for ease in monitoring.

(38) Plate-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 proposed environmental monitoring stations marked in this plan is uncalled for and should be erased & the plate may be revised accordingly.

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