

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

No. MPM/OTFM/05-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 Jharbeda Limestone & Dolomite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 87.906 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 09.06.2017 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 LIMESTONE & DOLOMITE MINE OF SHRI VIVEK LALL, OVER AN EXTENT OF 87.906 HECTARES, LOCATED IN JHARBEDA & TUNMURA VILLAGES, UNDER KUTRA TAHASIL OF SUNDARGARH DISTRICT OF ODISHA STATE, SUBMITTED UNDER RULE 17(3) OF MCR, 2016.**

(1) 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 upto 13.01.2021,thereby necessary corrections may be made accordingly at all the relevant places.

(2) The modification of the mining plan has been submitted for the period from 2017-18 to 2020-21 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.

(3) The photo copy of renewed lease deed/supplementary deed has been enclosed as annexure-4 but the lease plan/map attached to the lease deed is missing, which should be submitted.

(4) 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.

(5) 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.

(6) 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.

(7) A copy of the valid Bank Guarantee matching to the ensuing modification period has also not been enclosed and the same should be submitted.

(8) In case of individual or partner, a declaration/affidavit should be submitted to know whether he is working in other firms/company/organization etc.

(9) 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.

(10) 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 ease in monitoring. (Page No.1)

(11) In 3<sup>rd</sup> para of the page under reference, the modification of mining plan has prepared for the period from 2017-18 to 2020-21 (upto 13.01.2021, 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. (Page No.2)

(12) The letter reference & date of approval of the last approved scheme of mining is missing, which should be furnished for ease in monitoring. (Para 3.3)

(13) 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)



(14) Already drilled status of DTH/non-core and core drill holes are furnished but the litho logs for such boreholes are missing, which should be furnished and the para may be revised accordingly. (Para 4.5.2)

(15) 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)

(16) 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 ease in monitoring. (Page No.18)

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

(18) 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.35)

(19) Under the heading **land degradation/utilisation**, an extent of 38.402ha 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. 43)

(20) Under the heading **post mining land use plan**, the extent of area proposed to be utilised in different for each year of the ensuing modification period has not been given and the same should be furnished for ease in monitoring. (Page No.45)

(21) Location co-ordinates of proposed generation status of topsoil, OB/waste and mineral rejects may be furnished on the para under reference for more informative. (1<sup>st</sup> table of Para 7.1)

(22) The location co-ordinate 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)

(23) The extent of area put to use in different counts during the proposed modification period is considered to be for 13.037ha, for which the financial assurance has been computed, whereas on examination of the scheme of mining, approved on 21.03.2016, for the block period from 2016-17 to 2020-21 (upto 13.01.2021), the extent of area put to use is found to be 18.900ha but it is not known, why the extent of area put to use for the modification (2017-18 to 2020-21) has been reduced to 13.037ha may be explained. It is also found that, the production proposal for the years 2017-18 & 2018-19 has been enhanced against the proposal given in the last approved scheme of mining and no change in production quantities for the years 2019-20 & 2020-21. Therefore, in the modification of the mining plan, the extent of area put to use cannot be reduced instead the same should be enhanced considering the enhanced proposed production for the years 2017-18 & 2018-19. 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 scheme of mining approved in the last occasion. (Para 11.6)

(24) 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.



(25) Plate-I(A)(Geo-referenced Map): (i) The covering letter of Geo referenced map signed by the competent authority of ORSAC has not been enclosed. (ii) The mining lease has been granted and executed over an extent of 87.906ha but the Geo referenced map has been prepared, over an extent of 86.087ha, 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.

(26) Plate-II (Surface Plan): During the field visit, it is found that, (i) An existing magazine is found located in between the grid lines 300E-400E and 300S-400S but the same is missing on this plate. (ii) An existing grown up plantation patch is found in between the grid lines 300S-400S and 300E-500E but the same has not been depicted on this plan. (iii) At least three permanent ground control points situated beyond the lease area has not been selected, which should be done. Besides, latitude and longitude of those ground control points need to be furnished and those ground control points should be linked with boundary pillars. (iv) Surveyor's signature is missing on the plan, which should be signed by a competent surveyor.

(27) Plate-III (Geological Plan & Sections): (i) A single index reference for Dolomite/Dolomitic limestone has been furnished but the same is not matching with plan & section portions of the plate, thereby separate index reference for Limestone & Dolomite should be given. Accordingly, the lithology for limestone & Dolomite may also be differentiated on the plan & sections. (ii) The exploration proposal has been furnished against 2<sup>nd</sup> year, 3<sup>rd</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.

(28) Plate-IV/2 (2<sup>nd</sup> Year Development Plan & Sections): Two separate new dumps, one for top soil and other for waste disposal has been proposed in between grid lines 100S-200S and 00-100E but the proposed dumping side has not proved barren. Besides, nothing has been depicted about the rehabilitation status of existing dump-1 & 2. Moreover, the retaining wall & garland drain for the existing waste dump is missing, which may be drawn. Accordingly, the plates submitted depicting the development plan & sections for the years 2018-19 to 2020-21 may also be revised accordingly. In the light of the above, specific information may be furnished in connected paras of the text of the document.

(29) 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 indicated. (ii) Population of villages falling within the 5 km radius of the lease area is missing, which should also be furnished. (iii) Direction of flow of nala is has not been marked, which may also be furnished. (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.

(30) Plate-VI (Environment Plan): Existing trial pits has been marked on this plate but not a single such pit is seen within the leasehold area. In the text also, a mention has been made that, all the trial pits made earlier has been buried. Therefore, the existing trial pits marked on this plate must be erased and the plate may be revised accordingly.

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