



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. MPM/FM/03-ORI/BHU/2018-19

Date: 25.04.2018

To

Shri Prabodh Mohanty, Mine Owner,  
Weigh-Bridge Road, Post Box No.21,  
P.o – Barbil, Dist – Keonjhar,  
Odisha - 758035

Sub: Approval of Modification of Mining Plan of KJST Iron, Manganese & Bauxite Mine along with Progressive Mine Closure Plan (PMCP), over an area of 188.268 ha in Sundargarh district of Odisha State, submitted by Shri Prabodh Mohanty under Rule 17 of MCR, 2016.

Ref: - i) Your letter No. PM/BBL dated 16.03.2018 received on 02.04.2018.  
ii) This office letter of even no. dated 02.04.2018.  
iii) This office letter of even no. dated 02.04.2018 addressed to Director of Mines, Government of Odisha copy endorsed to you.

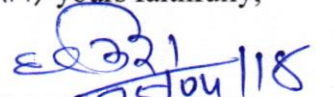
Sir,

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 10.04.2018 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 27 of MCDR 2017 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 AND PROGRESSIVE MINE CLOSURE PLAN FOR KJST IRON, MANGANESE & BAUXITE MINE OF SHRI PRABODH MOHANTY, LEGAL HEIR TO LATE S.N.MOHANTY, OVER AN EXTENT OF 188.268 HECTARES, LOCATED IN JALDIH ETC. VILLAGES, UNDER KOIRA TAHASIL OF SUNDARGARH DISTRICT, ODISHA STATE, SUBMITTED UNDER RULE 17(3) OF MCR, 2016.**

(1) In the consent letter from the applicant, the designation/authority of the applicant is missing, which should be mentioned below the signature of the applicant for clarity.

(2) The chemical analysis report of iron ore samples from R.V.BRIGGS & Co. Private Ltd., has been enclosed as annexure-16 but the analysis reports are very old, analysed during February 2015, which is not acceptable, instead fresh analysis report should be obtained either from a NABL accredited laboratory or from a Govt. laboratory & enclose along with the document. Likewise, the analysis report for Bauxite has been enclosed as annexure-17 but the name of the analytical laboratory is missing, thereby the fresh analysis report in support of grades of Bauxite may also be submitted from NABL/Govt. labs.

(3) The quarterly environmental monitoring report for the quarter ending September 2017 from March 2016 to May 2016 from R.V.BRIGGS & Co. Private Ltd., has been enclosed as annexure-18, instead, the fresh report for the same for all four quarters of the previous year analysed through any of the NABL Accredited laboratory or from Govt. laboratory should be submitted replacing the enclosed one for ease in monitoring.

(4) The copy of the explosive procurement license issued by the competent authority in favour of M/s S.N. Mohanty 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) A copy of the valid Bank Guarantee for the extent of area put to use in different counts during the ensuing modification period has not been enclosed & the same should be submitted.

(6) No photographs in support of the quarry /dump /stack /reclamation & rehabilitation /afforestation etc. have been enclosed along with the document, which should be submitted.

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

(8) Under the heading **preparation of modification of mining plan**, the valid reasons for submission of modification of the mining plan has not been furnished, which should be clearly mentioned and the page under reference may be revised. Accordingly, necessary corrections /modification may also be made at all the relevant places in the document. (Page No. 2)

(9) The period and validity status of the mining plan/scheme of mining/modification of approved mining plan has been furnished in tabular form but the copies of the such approval letters has not been furnished, which should be submitted for ease in monitoring. (Para 3.1)

(10) The letter reference & date of approval of the scheme of mining referred in the para under reference is missing, which should be furnished. (Para 3.3)

(11) In the 1<sup>st</sup> column of the 1<sup>st</sup> table, given in the page under reference, the financial year 2017-18 is mentioned to be still continuing, instead the information for the entire complete financial year 2017-18 needs to be furnished.. Besides, the **compliance position** of 58 nos. of boreholes furnished below the table may also be checked & corrected. (Page No. 11)

(12) The actual production figures iron ore, bauxite and waste generation for the years 2017-18 has been furnished as on 28.02.2018 in the tables, instead the same as on 31.03.2018 should be furnished and the data may be corrected. (Page No. 12 & 13)

(13) The actual land degradation status as on 28.02.2018 has been furnished in the 2<sup>nd</sup> table furnished in the page under reference, instead the same as on 31.03.2018 to be furnished. (Page No. 13)

(14) Fresh & authenticated chemical analysis report either from NABL accredited laboratory or from Govt. laboratory has not been submitted, which should be enclosed and the para may be revised. (Para 4.5.3)

(15) The status existing quarries both for iron ore & bauxite has been furnished in tabular form but the location co-ordinates for none of the quarry has been furnished. Likewise, status of existing dumps has been furnished but the active/deadness status and location co-ordinates for the dump has been given. Moreover, nothing has been mentioned about the existing status of reclamation, rehabilitation, afforestation etc., which should be given and the para may be revised. Likewise, the proposed method of mining may also be revised as per the above requirement. (Para 5.1.1)

(16) In the table furnished, under the heading **Insitu Tentative Excavation**: The following observations are made: (i) The proposed generation status of Top soil/IB+OB, ROM & mineral reject has been furnished in tabular form but the bench/RL of the excavation planning has not been given, which should be furnished. (ii) The recovery percentage of iron ore, mineral reject, sub-grade & waste/overburden generation is missing. (iii) The location co-ordinates of the excavation planning for each year also not furnished and the same may also be given by adding one more column in the table with proper plate reference. (iv) The grades of iron ore, mineral reject, sub-grade material and the OB/waste may also be furnished supported by authenticated chemical analysis report. Like wise, the status for bauxite quarry may also be furnished in the connected tables/plates. Accordingly, corresponding incorporations /modifications may also be made in connected paras in the text & relevant plates. [Para 5.1.2(I)]

(17) The OB dump for iron ore is proposed to be re-handled for the purpose of recovery of iron ore but no authenticated chemical analysis report for grade of the dumped material has been submitted. Besides, the recovery test report for the dump may also be obtained either from NABL/Govt. laboratory and enclose along with the document for more informative. [Para 5.1.2(II)]

(18) The location co-ordinates of the proposed workings should be furnished indicating the direction of advancement of quarry faces. Besides, the height, width & length of individual benches may also be furnished indicating the bench specifications/parameters for each year of the mine development. The status of dump for waste and sub-grade materials/mineral rejects & the location Co-ordinates proposed for the same with size/capacity and direction of advancement may also be discussed. Moreover, the requirements of reclamation & rehabilitation may also be furnished. In the light of the above, the information furnished in para 5.1.6 may also be revised. (Para 5.1.4)

(19) Generation status of top soil in each year of the modification period has been furnished in tabular form but the cross sections considered for the purpose is missing, which should be furnished. (Table 5.1)

(20) The existing status of single waste dump has been furnished in tabular form but the location co-ordinates of such dump is missing, which should be furnished. (1<sup>st</sup> table of Para 7.1)

(21) The proposed dumping is on the existing dump or a new dumping site has been selected for the purpose should be clearly indicated. (Para 7.2)

(22) In the 2<sup>nd</sup> table given in the page under reference, a full time mining engineer holding requisite qualification & experience has not been proposed, which should be done and the table may be revised accordingly. (Page No. 80)

(23) The Plantation for period from 2018-19 to 2020-21 has been furnished in tabular form but the location co-ordinates & survival rate of such plantation is missing, which should be furnished in the table for ease in monitoring. (Table-11.4)

(24) The information on existing & proposed protective reclamation & rehabilitation measures has been furnished as on 28.02.2018 & for the period from 2018-19 to 2020-21, instead the same is required only for the years 2018-19 & 2019-20. (Page No. 94 & 95)

(25) Plate-I (Plan showing the RML & surrender area): In the contents for the plates, the plate is considered as authenticated lease map, which should be corrected accordingly.

(26) Plate-I(A): In the contents for plates, the plate is named as DGPS map by ORSAC ,whereas the plate has been submitted in the name of joint surveyed land use map and the plate has not been signed by any other Govt. officials, except authorised signatory of ORSAC without any name & designation. Besides, a separate Geo referenced plan of the lease area is required to be submitted.

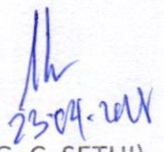
(27) Plate-II (Surface Plan): (i) At least three permanent ground control points beyond the lease area has not been selected, which should be done. Besides latitude and longitude of those ground control points should be furnished and the ground control points need to be linked with boundary pillars. (ii) Surveyor signature is missing, which should be signed by a competent surveyor.

(28) Plate-III (Geological Plan): (i) As per the 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. Accordingly, necessary modifications/incorporations may also be made in Geology and Exploration chapter.

(29) Plate-VI (Key Plan): Population of village falling within the 5 km radius of the lease area is missing, which should be furnished. Besides, the direction of flow of nala also not marked.

(30) Plate-VII (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 and the plate may be revised accordingly.

(31) Plate-VIII (Conceptual Plan): Conceptual plan & sections should be prepared showing the details of workings upto the lease period and the plate may be revised accordingly.

  
23-04-2018  
(G. C. SETHI)

Deputy Controller of Mines