



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. MSM/OTFM/06-ORI/BHU/2017-18

Date: 14.07.2017

To

✓
Shri Sudhansu Kumar Das,
Dy. General Manager (Geo),
Power of Attorney Holder
Odisha Mining Corporation Ltd.
OMC House, Bhubaneswar- 751001

Sub: Approval of Review of Mining Plan of Banspani Iron Ore Mine along with Progressive Mine Closure Plan (PMCP), over an area of 380.40 ha in Keonjhar district of Odisha State, submitted by M/s Odisha Mining Corporation Ltd under Rule 17 of MCR, 2016.

Ref: - i) Your letter No. OMC/PMC/9814 dated 23.06.2017.
ii) This office letter of even no. dated 27.06.2017.
iii) This office letter of even no. dated 27.06.2017 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 Review of Mining Plan along with Progressive Mine Closure Plan (PMCP) has been examined in this office based on site inspection dated 09.07.2017 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 Review of Mining Plan in the light of the contents vide Annexure 1 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 should be submitted 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 Review 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 Review 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 final copies of the Review of Mining Plan. It may be noted that no extension of time in this regard will be entertained and the Review 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.

Yours faithfully,

(HARKESH MEENA)

Regional controller of Mines

ANNEXURE-I

SCRUTINY COMMENTS ON EXAMINATION OF REVIEW OF MINING PLAN WITH PROGRESSIVE MINE CLOSURE PLAN FOR BANSPANI IRON ORE MINE OF M/S ODISHA MINING CORPORATION LTD., OVER AN EXTENT OF 380.40 HECTARES, LOCATED IN VILLAGES BANSPANI, KHUNTAPANI, JALAHARI & BAITARANI R.F, UNDER JODA P.S OF KEONJHAR DISTRICT OF ODISHA STATE, SUBMITTED UNDER RULE 17(1) OF MCR, 2016.

(1) (i) On examination of the front cover, it is found that, the Review of Mining Plan has been submitted, under Rule 17(1) of MCR, 2016, instead the same should be submitted under Rule 17(2) of MCR, 2016. (ii) The registration number allotted by IBM, under Rule 45 of MCDR, 1988 to M/s OMC Ltd., is missing, which should be furnished. (iii) The document has been submitted for the period from 2013-14 to 2017-18 but the financial years 2013-14 to 2016-17 has already lapsed, thereby the proposed period should be only for 2017-18 & the block period of the document should be for the period from 2013-14 to 2017-18.

(2) In the consent letter/undertaking/certificate from the applicant, the consent has been given for preparation of modification & review of mining plan but on the front cover, the document has been submitted only for Review of Mining Plan.

(3) The copy of the surface right order has been enclosed as annexure-III but the name of the mine is missing in the aforesaid order, which should be furnished.

(4) The copy of the compliance letter, enclosed as annexure-X is not clearly legible, thereby a fresh legible copy of the same should be enclosed replacing the enclosed one for more informative.

(5) In the contents for list of annexures, it is mentioned that, the copy of the descriptive litho logs is stated to be enclosed as annexure-XVI but no such annexure is found enclosed along with the document. Likewise, the copy of the bulk density from NABL also not enclosed as annexure-XVII.

(6) The certificate from the qualified persons is given under MCDR, 2017 for correctness of the Review of mining plan but the consent letter has been given by the applicant for modification and review of mining plan, thereby necessary corrections may be made in the certificate accordingly.

(7) The consent order from State Pollution Control Board, Odisha has not been enclosed; thereby a valid consent for the same should be submitted.

(8) Air, surface water, ground water, noise & vibration analysis report has not been enclosed as annexure to the document, which should be submitted for all four seasons of the year either from NABL accredited laboratory or from a Govt. Laboratory.

(9) The copy of the explosive procurement license issued by the competent authority in favour of M/s Odisha Mining Corporation Ltd., 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.

(10) The chemical analysis report of iron ore samples has not been enclosed and the same should be obtained either from a NABL accredited laboratory or from a Govt. laboratory & enclose along with the document for more informative.

(11) A copy of the valid Bank Guarantee matching to the proposed period has not been enclosed and the same should be submitted.

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

(13) In item No. 3 of the profile of the lease area, a mention has been made about the approval status of the mining plan, dated 13.10.1998 but the copy of the approval letter of the same has not been enclosed. Likewise, the approval status of scheme of mining, dated 06.10.2003 is given in item No. 6 and the approval status of the scheme of mining, dated 11.11.2008 furnished in item No. 7 but the copies of approval letters for the same has also not submitted. (Page No. 1 & 2)

(14) In item No. 7 of the profile of lease area, it is mention that, the lease has already been expired on 20.05.2016 but the lease extension letter from State Govt. of Odisha has not been enclosed, which should be submitted. (Page No.2)

(15) The registration number allotted to M/s Odisha Mining Corporation Ltd., under Rule 45 of MCDR, 1988 has been given, which should be furnished. Besides, the copy of the certificate of incorporation issued in favour of M/s OMC Ltd. as per the companies act may also be submitted. [Para 1.0(a)]

(16) The address of the mine is given in the 1st para in the page under reference but the postal PIN code is missing, which should be furnished for more informative. (Page No.6)

(17) The pillar co-ordinates furnished in tabular form is not clearly legible; thereby the same should be furnished in larger font size letter, so that the same will be clearly legible. (Page No.7)

(18) In the para under reference, it is mentioned that, the review of mining has been submitted under Rule 17(1) of MCR, 2016, which is not correct, instead the review of mining plan should be submitted under Rule 17(3) of MCR, 2016 and the para may be revised accordingly. (Para 3.6)

(19) A good number of boreholes are stated to have been drilled in the lease area but no analysis report for the same has been submitted. Besides, out of the total analysis, atleast 10% of the analysis should be done by third party NABL/Govt. Laboratory. [Para 1.0(e)]

(20) During the year 2017-18, there are 14 nos. of boreholes are proposed to be drilled but such boreholes are coring or non-coring type are not known. Besides, balance un-explored area of the lease area should be explored by drilling core boreholes atleast G2 level and the exploration proposal should be restricted to the financial year 2017-18. Besides, the extent of lease area already explored by putting the boreholes may also be indicated. Accordingly, necessary modifications/incorporations may also be made in connected paras in the text with proper plate reference. [Para 1.0(f)]

(21) For computation of reserves & resources the bulk density of the iron ore has been considered from 2.7 to 3.0 but the basis for such variation should be justified with valid reasons. Besides, the bulk density study report from NABL accredited laboratory or from a Govt. Laboratory may also be submitted. [Para 1.0(g)]

(22) Existing method of mining has not been furnished in detail as per the heading of the para, which should be discussed, including the existing status of the quarries/pits with dimensions, dumps with size/capacity, reclamation indicating extent of area in ha., rehabilitation & afforestation with extent of area in ha. etc. for more informative. Besides, the location co-ordinates of the existing quarries, dumps, reclamation & rehabilitation may also be furnished. Besides, nothing has been discussed about the proposed method of mining and the same should also be furnished by giving proposed bench formation status both in overburden & in ore zone, dumping, reclamation &

rehabilitation etc. for all the pits/quarries proposed for excavation. If the existing quarries/pits are proposed to be developed /extended, the same may also be furnished. In the light of the above; the entire para may be revised. [Para 2.0(A)(a)]

(23) The excavation planning for the year 2017-18 has been furnished but the achievements in production, waste handing for the period from 2013-14 to 2016-17 should be furnished and the para may be revised accordingly. [Para 2.0(A)(b)]

(24) In the table furnished in the page under reference, it is found that (i) In 3rd column of the table, maximum 7 nos. of benches are proposed to be made but no specific information has been given about the bench formation status in overburden & in ore zone. Besides, no information has been given about the height & width of the individual benches. (ii) In 4th column, the floor RL of the Quarry has been given, instead both top & bottom RLs should be furnished. (iii) In column No. 8, the total volume of excavated ore zone has been converted into tonnage, which indicates that, the entire loosened materials from the ore zone is considered as production but the percentage recovery of salable ore, sub-grade & mineral rejects should be furnished supported by recovery test report from NABL accredited laboratory or from Gov. Laboratory. (iv) The grades of iron ore, sub-grade material 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. [Page No. 37(a)]

(25) The breakup of Saleable and sub-grade ore has been furnished in 2nd table given in the para under reference but the percentage recovery of the same has not been given, which should be furnished by adding more columns in the table for more informative. [Para 2.0(A)(c)]

(26) The location co-ordinates of the proposed workings should be furnished indicating the direction of advancement of quarry faces. Besides, the status of waste dump & 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 2.0(e) may also be revised. [Para 2.0(d)]

(27) Ultimate size of the pit(s)/quarries has been furnished in tabular form but the depth of the pits/quarries has not been given, which should be furnished. [Para 2.0(f), page No. 41]

(28) Under the heading, ultimate capacity of the dump, the extent of dumping area as well as location co-ordinates of such dump is missing, which should be furnished. Besides, the extent of proposed backfilling area & the location co-ordinates of such backfilling may also be furnished and the page may be revised accordingly. (Page No. 41)

(29) The existing top & bottom RLs of the mine working is missing, which should be furnished correlating the maximum and minimum depth of the ground water table for more informative. [Para 3.0(a)]

(30) The quality of water encountered in the area has not been mentioned and the same may also be furnished. [Para 3.0(c)]

(31) All the plan & sections submitted along with the Review 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.**

(32) Plate-I (Key Plan): Most of the features given for index are not clearly legible, thereby the same should be marked clearly both in index as well as on the plan portion of the plate. Besides, the 25cm long scale also not drawn.

(33) Plate-III (Surface Plan): (i) The pillar co-ordinates of all the lease boundary pillars have not been furnished. (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 these ground control points need to be linked with boundary pillars. (iii) Surveyor's signature is missing on the plan, which should be signed by a competent surveyor.

(34) Plate-IV (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. (ii) New exploration proposal covering the entire lease area to the G2 level of exploration should be proposed and the same should be completed before 31.03.2018. Accordingly, necessary modifications/incorporations may also be made in Geology and Exploration chapter.

(35) Plate-V (Development Plan & Sections)(KMC Quarry 2017-18): (i) The index reference given for position of working benches at the end of 2017-18 is not matching with that of the plan portion of the plate. (ii) The index reference given for proposed reclamation for 2017-18 is not to be seen on the plan portion of the plate. (iii) Moreover, nothing has been given about the proposed sub-grade stacks and the same may also be depicted. Accordingly, development sections and other relevant plates submitted along with the document may also be revised.

(36) Plate-V(A) (Dump Plan & Sections)(2017-18): The index reference given for dump at the end of 2017-18 is not matching with that of the plan. Besides, the dump sections also not marked with matching colour code. The proposed status of sub-grade stack also not depicted.

(37) Plate-VI (Environment Plan): The index reference for 500m radius has not been given, which should be furnished. Besides, all the existing features available within 500m radius of the lease area may also be marked and the plate may be revised accordingly.

(38) Plate-VII (Reclamation Plan): The proposed working for the year 2017-18 has not been depicted on the plan, which should be marked. Besides, the index reference for proposed plantation is given but the same is missing on the plan portion of the plate. Accordingly, the plates submitted for progressive mine closure plan and financial assurance plan may also be revised.