



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



BY REGD POST
Phone: 0674-2352463
TeleFax: 0674-2352490
E-mail: ro.bhubaneshwar@ibm.gov.in
Plot No.149, Pokhariput
BHUBANESWAR-751020

No. MS/OTFM/40-ORI/BHU/2017-18

Date: 18.01.2018

To

✓ Shri Sunandan Pradhan, Power of Attorney Holder
of Dr. Sarojini Pradhan
AT/P.O- Telenga Bazar, Dist- Cuttack,
Odisha-753009

Sub: Approval of Review of Mining Plan of Baitarani Iron Ore Mine along with Progressive Mine Closure Plan (PMCP), over an area of 65.397 ha in Keonjhar district of Odisha State, submitted by Dr. Sarojini Pradhan under Rule 17 of MCR, 2016.

Ref: - i) Your letter No. DSP/GC-410/240/2017 dated 06.12.2017 received on 27.12.2017.
ii) This office letter of even no. dated 27.12.2017.
iii) This office letter of even no. dated 27.12.2017 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 earlier site inspection dated 09.01.2018 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 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

SCRUTINY COMMENTS ON EXAMINATION OF REVIEW OF MINING PLAN WITH PROGRESSIVE MINE CLOSURE PLAN OF BAITARANI IRON ORE MINE OF DR. SAROJINI PRADHAN, OVER AN EXTENT OF 65.397 HECTARES, FALLS IN BAITARANI R.F UNDER CHAMPUA SUB-DIVISION OF KEONJHAR DISTRICT OF ODISHA, SUBMITTED UNDER RULE 17(2) OF MCR, 2016.

- (1) On examination of the front cover, it is found that, the registration number allotted by IBM, under Rule 45 of MCDR, 1988 has not been furnished. (ii) The lease period is indicated to be valid upto 28.07.2028, which should be checked and corrected. Besides, on examination of the supplementary deed enclosed as annexure-2, the lease has already expired on 27.07.2008 but the copy of the lease extension letter from the state authorities has not been enclosed.
- (2) The copy of the approval letter of scheme of mining, dated 13.06.2014 has been enclosed as annexure-8, instead the copies of the approval letters of mining plan/scheme of mining approved in different occasions may also be submitted.
- (3) The academic qualification in support of the qualified person has been enclosed as annexure-11 but the ID proof is missing, which should be submitted for more informative.
- (4) The borehole logs for a good number of boreholes has been enclosed as annexure-14 but the authenticated analysis report from Govt./NABL accredited laboratory has not been submitted.
- (5) The chemical analysis report in support of the grade of iron ore samples has been enclosed as annexure-15 but the reports are very old analysed on 18.08.2011 & 31.01.2009, thereby fresh analysis reports should be obtain either from a Govt. laboratory or from NABL accredited laboratory and enclose along with the document for ease in monitoring
- (6) The copy of the air & water quality monitoring report has been enclosed as annexure-16 but on examination of the same it is found that, the data furnished in the annexure pertains to the year 2010, which is very old and not acceptable for this review of mining plan. Therefore, a fresh report for the same should be submitted obtained either from a NABL Accredited laboratory or from a Govt. Laboratory incorporating the latest environmental data for its authenticity/validity.
- (7) Few photographs in support of the existing dump, boundary pillars & plantation has been enclosed as annexure-17 but no photographs for existing quarry, existing exploration & reclamation etc. have been enclosed along with the document, which should be submitted.
- (8) The photo copy of the consent letter / undertakings /certificate from the applicant has been enclosed as annexure-19, which is not proper instead, the original copy of the same should be submitted.
- (9) The valid consent order from State Pollution Control Board, Odisha has not been enclosed, which should be submitted.
- (10) The copy of the explosive procurement license issued by the competent authority in favour of Dr. Sarojini Pradhan 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.
- (11) A copy of the valid Bank Guarantee matching to the extent of area put to use in different counts for the proposed period from 2018-19 to 2022-23 has not been enclosed and the same should be submitted.
- (12) In 2nd para of the introduction chapter, it is mention that, the lease has been extended upto 28.07.2028 but the copy of the lease extension letter from State Authorities has not been enclosed.

(13) The copy of the authenticated land schedule has not been submitted as mentioned in the para under reference. [Para 2.0(d)]

(14) The approval reference for good number of mining plan/modification of mining plan/scheme of mining has been given but the copies of approval letters of the same has not been enclosed & the same should be submitted for more informative. (Para 3.1)

(15) On examination of the table given in the para under reference, it is found that, out of the total lease area of 65.397ha, an extent of 29.343ha has been explored upto G1 level, 20.673ha upto G2 level & 36.054ha remains un-explored as on 01.11.2017. Therefore, the extent of area explored upto G2 level & the balance area not explored as on date should be proposed under exploration upto G1 level in the form of coring bore holes during the next financial year i.e. 2018-19 and the exploration proposal furnished in para 1.0(i) may also be revised. Accordingly, necessary modifications/incorporations may also be made in connected paras in the text with proper plate reference. [Para 1.0(g)]

(16) The existing status of pit/quarry and dumps has been furnished in tabular form but the location co-ordinates of such pits & dumps are missing, which should be furnished by adding one more column in the respective tables furnished in the para under reference. Besides, the existing status of reclamation, rehabilitation & afforestation etc. has not been given and the same may also be furnished. Accordingly, the proposed method of mining may also be revised by giving proposed bench formation status both in overburden & in ore zone, dumping, reclamation & rehabilitation etc. for clarity. If the existing quarries 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 2.1(a)]

(17) In the table furnished for **Summary of year wise Tentative Excavation in cum**: The following observations are made: (i) For the period from 2018-19) to 2022-23, the proposed status of OB/SB/IB generation, production of iron ore & mineral rejects generation has been furnished in tabular form but the bench/RL of the excavation planning has not been given, which should be furnished by adding one more column in the table. (ii) The recovery percentage of the iron ore and percentage of mineral rejects & sub-grade generation is missing. (iii) The location co-ordinates of the proposed 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 rejects, sub-grade and the waste material 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 2.1(b)]

(18) There are 500 nos. of saplings are proposed in each year of the ensuing review of mining plan period but the location co-ordinates of such sapling plantation should be furnished with proper plate reference. All should be presented in tabular form. (1st table of page No. 52)

(19) The post mining land use has been furnished in tabular form but the extent of area put to use in different counts by end of each year of the ensuing five year period is missing, which should be furnished by adding one more table in the para under reference. (2nd table of page No. 52)

(20) The location co-ordinates of the dumps and existing sub-grade/mineral rejects dump is missing, which should be given by adding one more column in the respective tables given in the para under reference for ease in monitoring. [Para 4.0(a)]

(21) Pit/quarry wise extent of area proposed to be degraded in each year of the ensuing five years period should be furnished. Besides, pit wise extent of area utilized for dumping, reclamation,

rehabilitation & afforestation for each year of the aforesaid period may also be furnished. All should be furnished in tabular form and rest of the things should be erased. (Para 8.3.1)

(22) The names & contact number of the person responsible during the emergency should be furnished. Besides, nearest fire stations, hospitals and police station is required to be mentioned for more informative. (Para 8.4)

(23) The geo-referenced plan as per the requirement of CCOM circular No. 2/2010 has been submitted.

(24) Plate-1 (Key Plan): The details of the deficiencies found on the plate are as follows: (i) Direction of flow of River/nala is missing on the plan portion of the plate as well as index reference for the same is also missing. (ii) The monitoring stations for air, noise & water has been marked within the 500m radius of the lease area including the lease area, instead, the aforesaid stations marked beyond the lease area should be erased for clarity.

(25) Plate-III (Surface Plan): Atleast three permanent ground control points beyond the lease area have not been selected, which should be done and latitude & longitude of those ground control points should be furnished. Besides, the ground control points need to be linked with boundary pillars.

(26) 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. Accordingly, necessary modifications /incorporations may also be made in Geology and Exploration chapter & any other places of the document.

(27) Plate-VI (Geological Sections): The geological index given in the geological sections are not matching with that of the geological plan, thereby the indexing as well as the lithology for sections should be revised in such a way that, the same will match with the geological plan.

(28) Plate-XIII (Environment Plan): All the existing features available within 500m radius of the lease area has not been marked, which should be depicted and the plate may be revised accordingly.

(29) Plate-XV (Conceptual Plan): Conceptual plan & sections should be furnished showing the details of mining activities upto the lease period & the plates may be revised accordingly.