



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



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

No. FMCP/FM/32-ORI/BHU/2018-19

Date: 28.08.2018

To

Shri Haridrumat Behera, Head Mine Planning,
M/s Tata Steel Ltd,
At/P.o- Kalarangiatta, Dist- Jajpur,
Odisha-755028

Sub: Approval of Final Mine Closure Plan of Sukinda Chromite Mine over an area of 406.00 ha in Jajpur district of Odisha State, submitted by M/s Tata Steel Ltd under Rule 24 of MCDR, 2017.

Ref: - i) Your letter No. SCM/MPP/18/18 dated 16.08.2018.
ii) This office letter of even no. dated 21.08.2018.
iii) This office letter of even no. dated 21.08.2018 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 Final Mine Closure Plan (FMCP) has been examined in this office based on earlier site inspection carried out on 18.04.2018 by Shri G C Sethi, Deputy Controller of Mine. The deficiencies observed are enclosed herewith as Annexure I.

You are advised to carry out the necessary modifications in the draft Final 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)** of the Final Mine Closure 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 Final Mine Closure 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 Final Mine Closure Plan. It may be noted that **no extension of time in this regard will be entertained and the Final 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 FINAL MINE CLOSURE PLAN WITH LEASE EXPIRING 31.03.2020 IN RESPECT OF SUKINDA CHROMITE MINE OF M/S TATA STEEL LTD., OVER AN EXTENT OF 406 HECTARES, LOCATED IN KALARANGITTA, KALIAPANI, MAHULKHAL VILLAGES & FOREST BLOCK NO. 27 OF JAIPUR DISTRICT OF ODISHA STATE, SUBMITTED UNDER RULE 24(1) OF MCDR, 2017.

(1) Para 2.1 (local Geology)-The information like disposition of lithology, structural feature, mode of occurrence etc. for all lithological units to be given.

(2) The gist of proposed exploration may be given in the following table.

| Year | Number of BH proposed | | | Total |
|---------|-----------------------|--------------------------|-----------------|-------|
| | Diverted forest area | Non-diverted forest area | Non-forest area | |
| 2018-19 | | | | |
| | | | | |

(3) Para 2.4: It is to propose that all the cores/samples etc. will be stored properly for future use and will not be destroyed prior approval of the competent authority. Brief details regarding preservation of cores should be given. The cores should be stored serially with suitable indexing and cataloguing and shall ensure the submission of cores to GSI. The proposal of storage location of core /samples to be given & mentioned in text of the FMCP.

(5) Para 5.1.1: The ultimate pit limit & mRL of the pit/quarry covered under UPL also to be indicated in the table (Page no. 72).

(6) Para 5.1.3: The details of the existing plantation to be given in tabular form comprising location & grid reference.

(7) Para 5.1.5: Describe in detail about the existing surface and ground water bodies available in the lease areas in terms of IS: 10500 or IS: 2490 (as the case may be) and the measures to be taken for protection of the same, for protection of contamination of ground water from leaching etc. may also be furnished.

(8) The details in tabular form comprising location (core and buffer zone), grid reference, parameters of monitoring, frequency of monitoring etc. to be submitted for proposed water monitoring stations.

(9) Para 5.1.6 (Air Quality Management): Describe the existing air quality status and the mitigation measures to be taken for prevention of pollution of air pollution may also be furnished.

(10) The information of the air quality monitoring station to be furnished for both core and buffer zone. Likewise, the information on noise monitoring stations may also be furnished.

(11) Para 5.1.7 (Waste Management): Describe the type and quality of Waste/overburden dumps available and their disposal practice. The protective measures to be taken for prevention of siltation, erosion and dust generation from these waste materials should also be described. If toxic and hazardous elements are present in the waste material, the protective measures to be taken for prevention of their dispersal in the air environment, leaching in the surface and ground water etc., should be described.

(12) Para 5.1.11 (Infrastructure): The existing infrastructural facilities available is given but nothing has been mentioned about their future utilization, which should be evaluated. If the existing infrastructures are retained, the measures to be taken for their physical stability and maintenance should be described. If decommissioning proposed, dismantling and disposal of building structures, support facilities and other infrastructure, electrical equipment and infrastructures such as electric cables, transformers etc. should be described.

(13) Para 5.1.12: The information to be given about contractual and lessee's machinery.

(14) Few photographs covering ML Boundary pillars, pits/quarries, mining activity, dumps, processing plant, core shed, coir matting on dumps, retaining wall and garland drain etc. to be enclosed with description and location.



(G.C.SETHI)

Deputy Controller of Mines