

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**Mining Plan inspection REPORT**

**Kolkata regional office**

**Mine file No :** CAL/BH/SB/CU-4

**Mine code :** 14BHR27004

- (i) Name of the Inspecting : **G004** ) **OM PRAKASH GOPAL**  
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Shri S K Sanghi, M.E. & Shri A Degvekar, Geologist  
Official with  
Designation
- (iv) Date of Inspection : 26/08/2021
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAKHA**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Underground
- (e) Postal address  
State : JHARKHAND  
District : SINGHBHUM (EAST)  
Village : ROAM GORA  
Taluka : GHATSILA  
Post office : RAKHA COPPER PROJECT  
Pin Code : 832106  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : TAMRA BHAVAN .ASHUTOSH CHOUDHURY AVENUE.  
correspondance KOLKATA ---1  
WEST BENGAL.
3. (a) Lease Number : BHR0243  
(b) Lease area : 785.09  
(c) Period of lease : 39  
(d) Date of Expiry : 31/03/2030
4. Mineral worked : COPPER ORE Main

## 5. Name and Address of the

Lessee : HINDUSTHAN COPPER LTD.  
 1,ASHUTOSH CHOUDHURY AVENUE  
 TAMRA BHAWAN KOLKATA-700019  
 KOLKATA WEST BENGAL  
 Phone:033-2283-2832/2529  
 FAX :033-2283-2623

Owner : Shri Sanjay Panjiyar  
 Flat No.-1H,402, Avidipata-  
 phase-1 401, Barakhola,  
 Kolkata- 700099 SINGHBHUM  
 (EAST) JHARKHAND  
 Phone: 8878951491  
 FAX :

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	05/09/2013
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	06/10/2016
		MP modif under 17(3) MCR 2016	25/11/2020

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	5 boreholes	NIL	Mine remain closed during proposal period for want of statutory clearances.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	5 boreholes	NIL	Mine remain closed during proposal period for want of statutory clearances.
1e	Balance reserve as on 01/04/20	Balance reserve as on 01/04/2019 (MT) 111 - 3.36 211 - 3.06 331 - 58.6 332 - 53.58 333 - 4.92	For want of statutory clearances mine yet to be reopened thus there is no change in balance reserves status.	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	Mining operations could not be started during proposal period for want of statutory clearances.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No development proposal in Rakha Block. 412 m development proposed in Chapri Block.	Mine remain closed during proposal period for want of statutory clearances.	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	UG mining and there is no such proposal	NIL	NIL

2c	Stripping ratio or ore to OB ratio	UG mining and there is no such proposal	NIL	NIL
2d	Quantity of topsoil generation in m3	UG mining and there is no such proposal	NIL	NIL
2e	Quantity of overburden generation in m3	UG mining and there is no such proposal	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	For want of statutory clearances mine could not be reopened during proposal period.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	UG mine and proposal envisaged for development of Chapri Block	Mine remain closed during proposal period for want of statutory clearances.	NIL
3b	Quantity of ROM mineral production proposed	NIL	Mine remain closed during proposal period for want of statutory clearances.	NIL
3c	Recovery of sailable/usable mineral from ROM production	No Proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.
3d	Quantity of mineral reject generation	No proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.
3f	Quantity of sub grade mineral generation.	No Proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.

3g	Grade of sub grade mineral generation	No Proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Provision for Drilling and blasting envisaged.	Mine remain closed during proposal period for want of statutory clearances.	NIL
3k	Provision of mining machineries in mineral benches	Provision of Mining Machineries for UG development envisaged.	Mine remain closed during proposal period for want of statutory clearances.	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	U/G Mine thus not applicable	NIL	NIL
3m	Total area covered under excavation/pits	U/G mine and there is no such proposal.	NIL	NIL
3n	Ore to OB ratio for the pit/mine during the year.	UG mine thus not applicable	NIL	NIL
3o	Total area put in use under different heads at the end of year	Area put to use at the end of plan period Excavated Area - 31.46 Ha. Infrastructure - 44.70 Ha. Roads - 3.38 Ha. Total - 79.54 Ha.	Mine remain closed during proposal period for want of statutory clearances.	NIL

3p	Production of ROM mineral during the last five year period as applicable	2016-17 - NIL 2017-18 - 88096 tonnes 2018-19 - 699742 tonnes 2019-20 - 1330782 tonnes. 2020-21 - NIL	2016-17 - 0.00 tonnes 2017-18 - 0.00 tonnes 2018-19 - 0.00 tonnes 2019-20 - 0.00 tonnes 2020-21 - 0.00 tonnes.	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	Mine remain closed during proposal period for want of statutory clearances.	NIL

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4b	Location of topsoil, OB and mineral reject dumps	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4c	Number of dumps within lease area and outside of lease area	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4e	Number of active and alive dumps.	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4f	Number of dead dumps.	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4g	Number of dumps established.	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL

4i	Length of Retaining wall or garland drain all along dumps	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4j	Number of settling ponds	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
4k	Specific comments of inspecting officer on waste dump management	U/G mine. No such proposal	NIL	Mine remain closed during proposal period for want of statutory clearances.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Ug mine. No such Proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
5b	Area under backfilling of mined out area	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
5d	Total area fully reclaimed and rehabilitated	U/G mine. No such proposal	Mine is a UG Mine and there is no such proposal for backfilling and reclamation.	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposal for backfilling and reclamation.	Mine is a UG Mine and there is no such proposal for backfilling and reclamation.	Mine is a UG Mine and there is no such proposal for backfilling and reclamation.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not submitted	NIL	Non working mine and not reopened yet for want of statutory clearances.
6b	Area available for rehabilitation (ha) .	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6c	afforestation done (ha).	0.125 ha	Mine remain closed during proposal period for want of statutory clearances.	NIL
6d	No. of saplings planted during the year	200 saplings	Mine remain closed during proposal period for want of statutory clearances.	NIL
6e	Cumulative no .of plants	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6f	Any other method of rehabilitation	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6g	Cost incurred on watch and care during the year	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	200 saplings	Mine remain closed during proposal period for want of statutory clearances.	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.125 ha	Mine remain closed during proposal period for want of statutory clearances.	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring in core and buffer zone proposed	Mine remain closed during proposal period for want of statutory clearances.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	Non working mine not reopened yet for want of statutory clearances

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL

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7c	Different grade of mineral sorted out at mines.	No Proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
7d	Any beneficiation process at mines .	No Proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mine remain closed during proposal period for want of statutory clearances.	NIL

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	U/G mine. No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
8b	Concurrent use or storage of topsoil	U/G mine and there is no such proposal.	Mine remain closed during proposal period for want of statutory clearances.	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	U/G mine and there is no such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Mine remain closed during proposal period for want of statutory clearances.	NIL
8g	Survival rate	No such proposal	NIL	NIL
8h	Water sprinkling on roads to control airborne dust	U/G mine and there is no such proposal	Mine remain closed during proposal period for want of statutory clearances.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	Mine remain closed during proposal period for want of statutory clearances.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns not submitted		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual returns not submitted		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual returns not submitted		
9d	Scrutiny of Annual return on afforestation	Annual returns not submitted		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual returns not submitted		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual returns not submitted		

9g Scrutiny of Annual returns  
Annual return on not submitted  
sale value, Ex.  
Mine price and  
production cost

9h Scrutiny of Annual returns  
Annual return on not submitted  
fixed assets

9k Scrutiny of Annual returns  
Annual return on not submitted  
mining  
machineries

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(OM PRAKASH GOPAL)

Indian Bureau of Mines