

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

**MCDR inspection REPORT**

**Kolkata regional office**

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

**Mine code :** 14BHR27004

- (i) Name of the Inspecting : **E025** ) **NAMAN EKKA**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 06/03/2020
- (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 correspondence : TAMRA BHAVAN .ASHUTOSH CHOUDHURY AVENUE.  
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

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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no proposal for surface exploration during 2018-19. Only Sub-surface exploration was proposed for detailed delination of the ore body.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
1b	Exploration over lease area for geological axis 1 or 2	There is no proposal for surface exploration during 2018-19.	Entire mineralized area has been explored in G1 axis.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	There is no proposal for surface exploration during 2018-19.	No expenditure occoured for exploration as no exploration has been carried out.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for Surface exploration.	Entire mineralized area has been explored in G1 axis.	
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	Balance reserve as on 01/04/2020 - (MT) 111 - 3.36 211 - 3.06 331 - 58.6 332 - 53.58 333 - 4.92	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
1f	General remarks of inspecting officers on geology, exploration etc		Mineraliszed area has been explored in G1 axis how ever the lesse has propossal for drilling sub-surafce boreholes for delination of the oer body during development stage.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	There is no development proposal in Rakha Block.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
2c	Stripping ratio or ore to OB ratio	1:0	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
2d	Quantity of topsoil generation in m3	No Proposal, Mine is a UG Mine	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
2e	Quantity of overburden generation in m3	No Proposal, Mine is a UG Mine	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine is a UG Mine	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 Stopes proposed for production	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	

3b	Quantity of ROM mineral production proposed	ROM - 1330782 tonnes	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3c	Recovery of sailable/usable mineral from ROM production	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3d	Quantity of mineral reject generation	No proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3f	Quantity of sub grade mineral generation.	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3g	Grade of sub grade mineral generation	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

3j	Provision of drilling and blasting in mineral benches	Provision of Drilling and blasting within the stopes and during Development.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
3k	Provision of mining machineries in mineral benches	Provision of Mining Machineries in Stopes and during developmet	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Stope height suitable for mining.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
3o	Total area put in use under different heads at the end of year	Excavated Area - 31.46 Ha. Infrastructure - 44.70 Ha. Roads - 3.38 Ha. Total - 79.54 Ha.	Excavated Area - 31.46 Ha. Infrastructure - 44.70 Ha. Roads - 3.38 Ha. Total - 79.54 Ha.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 0.00 tonnes 2017-18 - 88096 tonnes 2018-19 - 699742 tonnes 2019-20 - 1330782 tonnes.	2016-17 - 0.00 tonnes 2017-18 - 0.00 tonnes 2018-19 - 0.00 tonnes 2019-20 - 0.00 tonnes.	

3q	General remarks of inspecting officers on method of mining etc.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
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## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	Mine is a UG Mine
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Mine is a UG Mine
4c	Number of dumps within lease area and outside of lease area	NA	NA	Mine is a UG Mine
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	Mine is a UG Mine
4e	Number of active and alive dumps.	NA	NA	Mine is a UG Mine
4f	Number of dead dumps.	NA	NA	Mine is a UG Mine
4g	Number of dumps established.	NA	NA	Mine is a UG Mine
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	Mine is a UG Mine
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	Mine is a UG Mine
4j	Number of settling ponds	NA	NA	Mine is a UG Mine

4k	Specific comments of inspecting officer on waste dump management		Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mine is a UG Mine
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#### 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.	No Proposal	No work done	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
5b	Area under backfilling of mined out area	No proposal	No work done.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No work done	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine is a UG Mine	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral Despatch	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
7c	Different grade of mineral sorted out at mines.	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
7d	Any beneficiation process at mines .	No Proposal	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

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Environment:

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Sl.No.	Item	Propasals	Actual work	Remarks
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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9d	Scrutiny of Annual return on afforestation		No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9h	Scrutiny of Annual return on fixed assets	No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.
9k	Scrutiny of Annual return on mining machineries	No Monthly or annual returns submitted	Mining operations could not been started during last plan period on account of delay in receipt of FC from MoEFCC and non-finilazatoion of contract.

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

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

Date :

(**NAMAN EKKA**)

Indian Bureau of Mines