

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION
MCDR INSPECTION REPORT
Ranchi Regional Office

Mine file No: MCDR-MiFLOCu/3/2023-RCH-IBM_EZ

Mine code: 14BHR27004

Date of Inspection: 24.10.2024

Sl. No.	Particulars	Details
1.	Name of the Mines	Rakha U/G Copper Mine
2	Total Lease Area (Ha) with breakup of non-forest land & forest land	Total Lease Area: 785.091 Ha Non forest : 501.359 Ha ;Forest : 283.732 Ha
3.	Mine code	14BHR27004
4	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/6381/2011
5	Name of the lessee, Address, Phone, email and fax number	Hindustan Copper Limited, Indian Copper Complex, Ghatsila
6	Village	Royam
7	Taluka/Mandal	Mosabani
8	District	East Singhbhum
9	Pin code	832106
10	State	Jharkhand
11	Post Office	Ghatsila
12	Nearest Police Station	Jadugoda
13	Nearest Railway station	Rakha Mines
14	Date of Grant of Mining Lease	29.08.1971
15	Date of Execution	10.04.1972
16	Date of Opening of Mine	1972
17	Date of First Renewal, if applicable and its period & expiry	Recommendation of 1 st renewal from 29.08.1991 to 28.08.2011 (20 year) granted vide letter 2049/M dated 15.05.1998
18	Date of second Renewal, if applicable and its period & expiry	Form D obtained on dated 05.08.2010 for 2 nd renewal for the period 29.08.2011 to 28.08.2031. Govt. of Jharkhand vide letter No. Kha. Ni. (Garhwa) 01/2012 dated 18.03.2015 under section 8A (8) of MMDR Amendment Ordinance 2015 have extended the lease period up to 31.03.2020, The Supplementary Lease Deed executed in support of the extended lease period on dated 15.07.2017. Govt. of Jharkhand Dept. of Mines extended lease period up to 50 year from the initial grant vide Letter No 1761/M Ranchi dated 30.10.2019. therefore the period of validity of the said lease is extended from 01.04.2020 to 28 th August 2021. The lease deed executed in support of the extended lease period on dated 04.05.2020. Further, based on the application for extension of the lease period for another 20 years w.e.f 29.08.2021, Cabinet of Govt. of Jharkhand in its meeting at Ranchi on 20.09.2024 has approved the extension of Rakha ML over 785.091 ha in favour of HCL as per provision of Rule 72 (2) of MCR 2016. and also Mines and Geology Department Govt. of Jharkhand has issue a letter for extension of Rakha Mine vide letter no. बी./एम.-6/07/1672/एम., र ंची, dated:08.10.2024.
19	Date of submission of renewal application if Mining operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Sanjiv Kumar Singh M/s Hindustan Copper Limited, Tamra Bhavan 1, Ashutosh Chowdhury Avenue, Kolkata -700019, (W.B) Phone-03322832623 Date of appointment: 09.06.2022 Email: sanjivkumarsingh@hindustancopper.com
21	Name of the Mine Agent with Address, phone email, fax number and date appointment in mines.	Shri Shyam Sundar Sethi Moubhandar, Ghatsila, East-Singh hum, Jharkhand-832103 Mobile -9424661530 Date of appointment: 01.04.2023 Email: shyam_ss@hindustancopper.com
22	Name of the Mines Manager with Address, Phone, email, fax number and date of appointment	Presently not appointed as the mine is non-operation w.e.f July-2001.

23	Name of the mining engineer, qualification and total experience with Address, phone, email, fax number and date of appointment in Mines.	Shri Daanveer Karnendra Kumar, Moubhnadar, Ghatsila, East-Singhuhum, Jharkhand- 832103 Mobile-7828606620; DOA in Mines: 10.02.2024, Email: danveer_kk@hindustancopper.com Qualification: B. Tech (Mining) Experience: 14 Yrs		
24	Whether Geologist and Mining Engineer appointed in Mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes		
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	No. RAN/EASTSINGHUBHUM/FCu/ROMP-8/2023-24 dated 04.01.2024; Period: 2021-22 to 2025 -26		
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	No. RAN/EASTSINGHUBHUM/FCu/ROMP-8/2023-24 dated 04.01.2024; Period: 2021-22 to 2025 -26		
27	Mineral(s) granted in lease and proved for mining	Copper Ore		
28	Method of Mining (Opencast, Underground)	Underground		
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized (Non-operational)		
30	Captive/non-captive	Captive		
Sl.No	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	201.8Ha	201.8Ha	During the year 2022-23 total 8776 m of drilling work has been carried out Gr report is under process
1c	Exploration Agency & Expenditure in lakh Rupee during the year	MECL	14.31 Cr	ok
1d	Balance area to be explored to bring Geological axis in 1 or 2	134.775Ha	0	No work done
1e	Balance reserves as on 01.04.2023	229247615	229247615	111: 3364683 211: 3054986. 331: 45470559 332: 63399749. 333: 69277638 334: 446800000 Total: 229247615 Mines operation is under suspension
1f	General remarks of inspecting officer on geology, exploration etc.	Mines is under suspension.		

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.) **Exploration**

Development

Sl.No	Item	Proposals(2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t lease area	NA	Nil	Mine is Non-operational
2b	Separate benches in top soil, overburden and mineral (Rule 15)	Nil	Nil	Mine is Non-operational
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Mine is Non-operational
2d	Quantity of topsoil generation in m3	Nil	Nil	Mine is Non-operational
2e	Quantity of overburden generation in m3	Nil	Nil	Mine is Non-operational
2f	General remarks of inspecting officer on development etc.	Mines is under suspension.		

Exploitation

Sl. No	Item	Proposals(2023-24)	Actual work(2023-24)	Remarks
3a	Number of pits proposal for production	Nil	Nil	Mine is Non-operational
3b	Quantity of ROM mineral production proposed(cum)	Nil	Nil	Mine is Non-operational
3c	Recovery of salable/usable mineral from ROM production (tone)	Nil	Nil	Mine is Non-operational
3d	Quantity of mineral reject generation (cum)	Nil	Nil	Mine is Non-operational
3e	Grade of mineral reject generation and threshold value declared	NA	NA	Mine is Non-operational
3f	Quantity of sub-grade mineral generation	Nil	Nil	Mine is Non-operational
3g	Grade of sub-grade mineral generation	NA	NA	Mine is Non-operational
3h	Manual/Mechanized method adopted for segregating from ROM	NA	NA	Mine is Non-operational
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	Mine is Non-operational
3j	Provision of drilling & blasting in mineral benches	NA	NA	Mine is Non-operational
3k	Provision of mining machineries in mineral benches	Nil	Nil	Mine is Non-operational
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	Mine is Non-operational
3m	Total area covered under excavation/pits	NA	NA	Mine is Non-operational
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	Mine is Non-operational
3o	Total area put in use under different heads at the end of year	72.55Ha	72.55Ha	No Additional area was proposed for the FY 2023-24
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: Nil 2020-21: Nil 2021-22: Nil 2022-23: Nil 2023-24: Nil	2019-20: Nil 2020-21: Nil 2021-22: Nil 2022-23: Nil 2023-24: Nil	Mine is Non-operational
3q	General remarks of inspecting officer on method of mining etc.	Mine is Non-operational		

Solid Waste Management-Dumping

Sl. No	Item	Proposals(2023-24)	Actual work(2023-24)	Remarks
4a.	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	NA	NA	Mine is Non-operational
4b	Location of topsoil, & OB & mineral reject dumps	NA	NA	Mine is Non-operational
4c	Number of dumps within lease area and outside lease area	NA	NA	Mine is Non-operational
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	Mine is Non-operational
4e	Number of active & alive dumps	NA	NA	Mine is Non-operational
4f	Number of dead dumps	NA	NA	Mine is Non-operational
4g	Number of dumps stabilized	NA	NA	Mine is Non-operational
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	Mine is Non-operational
4i	Length of Retaining wall or garland drain all along dump	NA	NA	Mine is Non-operational
4j	Number of settling ponds	NA	NA	Mine is Non-operational
4k	Specific comments of inspecting officer on waste dump management	Mine is Non-operational w.e.f July 2001		

Solid Waste Management-Backfilling

Sl. No	Item	Proposals(2023-24)	Actual work(2023-	Remarks
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			24)	
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	Mine is Non-operational
5b	Area under backfilling of mined out area	Nil	Nil	Mine is Non-operational
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	Mine is Non-operational
5d	Total area fully reclaimed & rehabilitated	NA	NA	Mine is Non-operational
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mine is non-operational w.e.f July-2001		

Progressive Mine Closure Plan

Sl. No	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	-	-	Mine is non-operational w.e.f July-2001. Owner is neither submitting the monthly returns nor annual returns.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of sapling planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NA	NA	NA
6c	Compliance on reclamation and rehabilitation by back filling i) Voids available for backfilling (LxBxD) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	NA	NA
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	NA
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient air Quality, Water quality: Quarterly Reporting	Quarterly Quarterly (Agency- Third party/NABL agency)	ok
6f	General remarks of inspecting & progressive closure operations.	Mine is Non-operational.		

Mineral Conservation

Sl. No	Item	Proposals(2023-24)	Actual work(2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Mine is not in operation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sorted out at mines	Not proposed	Nil	
7d	Any beneficiation process at mines	Nil	Nil	No beneficiation

			process available at mine site.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is non-operational w.e.f July-2001	

Environment

Sl. No	Item	Proposals(2023-24)	Actual work(2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	Mine is not in operation.
8b	Concurrent use or storage of topsoil	NA	NA	Mine is not in operation.
8c	Separate dumps for overburden, waste rock rejects and fines (Rule 33)	NA	NA	Mine is not in operation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Mine is not in operation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	Mine is not in operation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 42)	Nil	Nil	Mine is not in operation.
8g	Survival rate	--	-	Mine is not in operation.
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Mine is not in operation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area.	Mine is non-operational w.e.f July-2001		

Compliance of Rule 45

Sl. No	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Not Filled		Not Filled
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Filled	Not Filled	Not Filled
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not Filled	Not Filled	Not Filled
9d	Scrutiny of Annual return on afforestation	Not Filled	Not Filled	Not Filled
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Not Filled	Not Filled	Not Filled
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Filled	Not Filled	Not Filled
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost.	Not Filled	Not Filled	Not Filled
9h	Scrutiny of Annual return on fixed assets	Not Filled	Not Filled	Not Filled
9i	Scrutiny of Annual return on mining machineries	Not Filled	Not Filled	Not Filled

Details of violations observed during current inspection : -

Violation pointed out in the current inspection:

Rule 45: Owner is not submitting any return as per the extant provisions of MCDR Rules.