

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/JHN-11/CU-3

Mine code : 14RAJ17001

- (i) Name of the Inspecting : **DJ03**) **DILIP JAIN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07-DEC-19
- (v) Prev.inspection date : 31-JUL-02

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHANDMARI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Underground
- (e) Postal address
State : RAJASTHAN
District : JHUNJHUNU
Village : KHETRI
Taluka : KHETRI
Post office : KHETRI
Pin Code : 333503
FAX No. : 01593-20002
E-mail : hclkcc@jpl.dot.net.in
Phone : 01593-34433
- (f) Police Station : Khetri
- (g) First opening date : 27-OCT-72
- (h) Weekly day of rest : SUN
2. Address for : Chandmari Copper Mine M/s Hindustan Copper Limit
correspondance : Khetri Copper Complex, Khetri Nagar-333504
District: hunjhunun (Raj.)
3. (a) Lease Number : RAJ0448
- (b) Lease area : 148.45
- (c) Period of lease : 50
- (d) Date of Expiry : 26-DEC-42
4. Mineral worked : COPPER ORE Main

5. Name and Address of the

Lessee : HINDUSTAN COPPER LIMITED
 KHETRI COPPER COMPLEX
 KHETRI NAGAR JHUNJHUNU
 RAJASTHAN
 Phone:01593-20065-20006
 FAX :01593-20002

Owner : Shri S.K. Bhattacharya
 1-Ashutosh Chowdhury Avenue
 Kolkata 700019 JHUNJHUNU
 RAJASTHAN
 Phone: 033 22817138
 FAX : 033 22832478

Agent : S. DEY
 M/S Hindustan Copper Ltd;
 Khetrinagar, Jhunjhunu,
 Rajasthan JHUNJHUNU
 RAJASTHAN
 Phone: 01593-220001
 FAX : 01593-220002

Mining Engineer

Name : Shri Narendra Singh Jangde, Full Time
 Qualification : BE Mining
 Appointment/ : 30-AUG-19
 Termination date

Geologist

Name : Dr. Gopal Rathi, Full Time
 Qualification : M.Sc & Ph.D(Geology)
 Appointment/ : 09-JUN-15
 Termination date

Manager

Name : Shri Narendra Singh Jangde
 Qualification : BE Mining
 Appointment/ : 30-AUG-19
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 19-JUN-12
 MP review under 17(1) MCR 2016 06-JUL-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal of exploration during previous year i.e.2017-18.	No exploratory drilling during the year 2017-18.	No back log.
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration for reporting year i.e. 2018-19.	Exploration has not been carried out during the reporting year.	NIL.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable as no proposal of exploration during the reporting Year.	Not applicable as no proposal.	NIL.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal about the balance area to be explored under G1/G2.	Not applicable as no proposal.	NIL.
1e	Balance reserve as on 01/04/20	As per approved document dated 06/07/2017, the position of reserve and resource was 13.03 and 0.23 million tonnes respectively.	The position of reserve and resource as on 01/04/2019 was 13.03 and 0.23 million tonnes respectively.	No depletion in reserve as mining operations are under temporary discontinuation since June 2002.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal of exploration during reporting year.	Not applicable as no proposal.	No comment as no proposal of exploration and also mine was not in operation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	As per approved document dated 06/07/2017 for the period from 2017-18 to 2021-22, no proposal of development during the reporting year 2018-19.	No development has been carried out during the year.	Mining operations are under temporary discontinuation since June 2002.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of top soil, Overburden and mineral benching during the reporting year.	Not applicable as no proposal.	Mining operations are under temporary discontinuation.
2c	Stripping ratio or ore to OB ratio	No proposal.	Not applicable.	NIL.
2d	Quantity of topsoil generation in m3	No proposal of top soil generation.	No top soil has been generated.	NIL.
2e	Quantity of overburden generation in m3	No proposal for reporting year.	Not applicable as no proposal.	NIL.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal of development during reporting year.	No development work has been carried out during the reporting year.	Mining operations are under temporary suspension.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	As per approved document dated 06/07/2017 for the period from 2017-18 to 2021-22, there was no proposal of production.	Not applicable as no proposal.	Mining operations are under temporary discontinuation since June 2002.
3b	Quantity of ROM mineral production proposed	No proposal of ROM production during the reporting year 2018-19.	Not applicable as no proposal.	Mining operations are under temporary discontinuation.

3c	Recovery of sailable/usable mineral from ROM production	No proposal of ROM production during the reporting year 2018-19.	Not applicable as no proposal.	Mining operations are under temporary discontinuation.
3d	Quantity of mineral reject generation	No proposal of mineral rejects generation during the reporting year 2018-19.	Not applicable as no proposal.	NIL.
3e	Grade of mineral rejects generation and threshold value declared.	No proposal.	Not applicable.	NIL.
3f	Quantity of sub grade mineral generation.	No proposal.	Not applicable.	NIL.
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	NIL.
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for segregation of ROM within lease boundary.	Not applicable as no proposal.	NIL.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal of beneficiation study.	Not applicable as no proposal.	NIL.
3j	Provision of drilling and blasting in mineral benches	No proposal for reporting year 2018-19.	Not applicable as no proposal.	NIL.
3k	Provision of mining machineries in mineral benches	No proposal for reporting year 2018-19.	Not applicable as no proposal.	NIL.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal for reporting year 2018-19.	Not applicable as no proposal.	NIL.

3m	Total area covered under excavation/pits	As per approved document, an area of 9.02 Ha has been proposed under mining at the end of the plan period i.e. 2021-22.	As on 01/04/2019, an area of 9.02 ha was under Mining.	NIL.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal.	Not applicable.	NIL.
3o	Total area put in use under different heads at the end of year	As per approved document, an area of 27.51 Ha has been proposed to put in use at the end of the plan period i.e. 2021-22.	As on 01/04/2019, total area put to use under different heads was 27.51 ha.	NIL.
3p	Production of ROM mineral during the last five year period as applicable	2014-15: NIL 2015-16: NIL 2016-17: NIL 2017-18: NIL 2018-19: NIL	2014-15: NIL 2015-16: NIL 2016-17: NIL 2017-18: NIL 2018-19: NIL	NIL.
3q	General remarks of inspecting officers on method of mining etc.	No proposal of production of mineral during the reporting year 2018-19.	Not applicable as no production during the reporting year.	No comment, as no proposal of production during reporting year.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As per approved document dated 06/07/2017, no proposal of generation of top soil, OB and Mineral reject.	Top soil, mineral reject and OB has not been generated.	Mining operations are under temporary discontinuation.

4b	Location of topsoil, OB and mineral reject dumps	Not applicable as no proposal of OB, mineral reject and top soil generation during the reporting year.	Not applicable as no proposal	NIL.
4c	Number of dumps within lease area and outside of lease area	2 waste dumps.	2 waste dumps.	NIL.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal of waste dumping during the reporting year 2018-19.	Not applicable as no proposal.	NIL.
4e	Number of active and alive dumps.	No proposal of active and alive dumping.	Not applicable as no proposal.	NIL.
4f	Number of dead dumps.	No proposal.	Not applicable.	NIL.
4g	Number of dumps established.	No proposal.	Not applicable.	NIL.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal of Retaining wall and Garland drain during the reporting year.	Retaining wall and garland drain has been observed along the existing dump.	NIL.
4i	Length of Retaining wall or garland drain all along dumps	No proposal of Retaining wall and Garland drain during the reporting year.	Not applicable as no proposal.	NIL.
4j	Number of settling ponds	No proposal of construction of settling pond.	Not applicable as no proposal.	NIL.
4k	Specific comments of inspecting officer on waste dump management	No proposal of OB, Mineral Reject and top soil generation during the reporting year i.e. 2018-19.	No comments as no waste, mineral reject and top soil has been generated due to the temporary discontinuation of the mine.	No comments as no proposal.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal of part or full extraction of mineral from mined out area before starting backfilling for the year 2018-19.	Not applicable as no proposal of backfilling.	NIL.
5b	Area under backfilling of mined out area	No proposal.	Not applicable.	NIL.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal of top soil generation.	Not applicable as no proposal.	NIL.
5d	Total area fully reclaimed and rehabilitated	No proposal of full reclamation and re-habilitation.	Not applicable as no proposal.	NIL.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal of backfilling.	No comments as no proposal of backfilling.	NIL.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	As per rule 26 of MCDR, 2017 holder of mining lease shall submit PMCP before 1st day of July every year.	PMCP report for the year 2018-19 has been submitted.	NIL.
6b	Area available for rehabilitation (ha) .	Planation over 2.0 ha over dump area and bench plantation over 1.0 ha has been proposed to plant.	No plantation work has been carried out due to temporary discontinuation of the mining operation.	NIL.

6c	afforestation done (ha).	Planation over 2.0 ha over dump area with 200 numbers of saplings and bench plantation over 1.0 ha with 200 numbers of saplings has been proposed to plant.	No plantation work has been carried out due to temporary discontinuation of the mining operation.	NIL.
6d	No. of saplings planted during the year	200 saplings each over waste dump and benches has been proposed.	No plantation work has been carried out due to temporary discontinuation of the mining operation.	NIL.
6e	Cumulative no .of plants	No specific proposal of cumulative number of plants.	Not applicable as no proposal.	NIL.
6f	Any other method of rehabilitation	No any other method of rehabilitation	Not applicable as no proposal.	NIL.
6g	Cost incurred on watch and care during the year	Rs. 48264/-	As reported around Rs. 40,000/-	NIL.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal of backfilling.	No work related to backfilling has been carried out during the year.	NIL.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal of backfilling.	Not applicable as no proposal of backfilling.	NIL.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No proposal of backfilling.	Not applicable as no proposal of backfilling.	NIL.

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal making reservoir.	Not applicable as no proposal of making reservoir.	NIL.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No any other specific proposal.	Not applicable as no proposal.	NIL.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal of rehabilitation of waste land within lease area.	Not applicable as no proposal.	NIL.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal of rehabilitation of waste land within lease area.	Not applicable as no proposal.	NIL.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal of rehabilitation of waste land within lease area.	Not applicable as no proposal.	NIL.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring of environment parameters.	Monitoring is being done.	NIL.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Planation over 2.0 ha over dump area with 200 numbers of saplings and bench plantation over 1.0 ha with 200 numbers of saplings has been proposed to plant.	No plantation work has been carried out in the lease area due to temporary discontinuation of the mining operation in the lease area.	NIL.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of ROM generation during the year 2018-19.	Not applicable as no proposal.	Mining operations are under temporary discontinuation since June 2002.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable as no proposal of ROM generation during the year 2018-19.	Not applicable as no proposal.	NIL.
7c	Different grade of mineral sorted out at mines.	No proposal for the reporting year.	Not applicable as no proposal.	NIL.
7d	Any beneficiation process at mines .	No beneficiation process at the mine.	Beneficiation facilities located at Khetri.	NIL.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal of Mineral Rejects/ Sub-grade generation during the year.	Not applicable as no proposal.	No issued related to Mineral conservation as no ROM production during the reporting year.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation during the year 2018-19.	Not applicable as no proposal of top soil generation.	Mining operations are under temporary discontinuation since June 2002.
8b	Concurrent use or storage of topsoil	Not applicable as no proposal of top soil generation.	Not applicable.	NIL.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal of Waste, Ob and Mineral reject generation during the year.	Not applicable as no proposal.	NIL.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable as no proposal of waste generation during the year 2018-19.	Not applicable as no proposal.	NIL.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal of phased restoration, rehabilitation of mining land.	Not applicable as no proposal.	NIL.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Planation over 2.0 ha over dump area with 200 numbers of saplings and bench plantation over 1.0 ha with 200 numbers of saplings has been proposed to plant.	No plantation work has been carried out in the lease area due to temporary discontinuation of the mining operation in the lease area.	Mining operations are under temporary discontinuation since June 2002.
8g	Survival rate	No proposal.	Not applicable.	NIL.
8h	Water sprinkling on roads to control airborne dust	To control the air born dust particle, water sprinkling has been proposed.	No water sprinklings as mining operations were under temporary discontinuation during the year	NIL.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	A tota 3.0 ha area has been proposed to plant during the year.	No plantation work has been carried out due to temporary discontinuation of the mining operation.	Aesthetic beauty of the mine is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	As per rule 45 of MCDR, monthly and annual returns to be submitted.	Monthly and annual returns have been submitted for reporting year.	NIL.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has been furnished about Mining Engineer, Geologist, and Manager.	Mining engineer and Geologist are appointed.	NIL.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine working: 9.02 Ha, Dumps:17.64 Ha, Other: 0.85 Ha.	Mine working: 9.02 Ha, Dumps:17.64 Ha, Other: 0.85 Ha.	NIL.
9d	Scrutiny of Annual return on afforestation	No information on afforestation has been furnished.	Afforestation has not been carried out during the year 2018-19.	NIL.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information on Mineral reject generation furnished is NIL.	No mineral reject has been generated as Mining operations were under temporary discontinuation.	NIL.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM and graded stock quantity furnished is NIL.	Found to be in order.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value, Ex-mine price and cost of production furnished is NIL.	Information furnished has been found to correct.	NIL.
9h	Scrutiny of Annual return on fixed assets	The value of fixed asset furnished is Rs. NIL.	The information furnished found to correct.	NIL.
9k	Scrutiny of Annual return on mining machineries	No information has been furnished about Mining machineries.	The information furnished found to correct.	NIL.

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 :

(DILIP JAIN)

Indian Bureau of Mines