

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

**Review and updation of Mining Plan REPORT**

**Kolkata regional office**

**Mine file No :** CAL/JHK/SB(W)/FE(M-2)

**Mine code :** 30JHK18003

- (i) Name of the Inspecting : **P002** ) **PHILLIP HAPADGARA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri.Ravi Ranjan, GM (Mining), Sri. S. S Rao, DGM (Mi  
Official with  
Designation
- (iv) Date of Inspection : 09/10/2023
- (v) Prev.inspection date : 08/11/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MANOHARPUR (SUKRI )**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : JHARKHAND  
District : SINGHBHUM (WEST)  
Village : SUKRI  
Taluka : MANOHAR PUR  
Post office : CHIRIA  
Pin Code : 833106  
FAX No. : 06593-263714  
E-mail : rmdsail@gmail.com  
Phone : 06593-287674
- (f) Police Station : MANOHARPUR
- (g) First opening date : 01/01/1911
- (h) Weekly day of rest : SUN
2. Address for : STEEL AUTHORITY OF INDIA LTD  
correspondance : MANOHARPUR ORE MINES, P.O.CHIRIA,  
SINGHBHUM(W), JHARKHAND-833106
3. (a) Lease Number : BHR0059
- (b) Lease area : 38.85
- (c) Period of lease : 30
- (d) Date of Expiry : 31/08/1979
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : STEEL AUTHORITY OF INDIA LTD.  
 INDUSTRY HOUSE 5TH & 6TH  
 FLOOR 10, CAMAC STREET  
 KOLKATA WEST BENGAL  
 Phone:033-22822316/0462/3385  
 FAX :033-22822316/0462

Owner : Harinand Rai  
 Steel Authority of India  
 Ltd. Ispat Bhawan, Lodi  
 road New Delhi-110003  
 SINGHBHUM (WEST) JHARKHAND  
 Phone: 011-24367481-86  
 FAX : 011-24367015

Agent : Kamal Bhasker  
 PO- Chiria West Singhbhum  
 Jharkhand SINGHBHUM (WEST)  
 JHARKHAND  
 Phone: 8895502967  
 FAX :

## Mining Engineer

Name : S S RAO, Full Time  
 Qualification : AMIE(MIN)  
 Appointment/ : 04/02/2018  
 Termination date

## Geologist

Name : RAJESH KUMAR NAIK, Full Time  
 Qualification : M.Phil, PhD (Geo)  
 Appointment/ : 14/11/2014  
 Termination date

## Manager

Name : RAVI RANJAN  
 Qualification : B.TECH (MINING)  
 Appointment/ : 18/09/2019  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/05/2006
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	06/02/2009
		MP review under 17(1) MCR 2016	28/01/2019

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	123 nos	nil	Mines is not working due to unavailability of statutory clearances/permission
1b	Exploration over lease area for geological axis 1 or 2	nil	nil	Mines is not working due to unavailability of statutory clearances/permission
1c	Exploration Agencies and Expenditure in lakh rupees during the year	nil	nil	Mines is not working due to unavailability of statutory clearances/permission
1d	Balance area to be explored to bring Geological axis in 1 or 2	not such proposal	nil	Mines is not working due to unavailability of statutory clearances/permission
1e	Balance reserve as on 01/04/20	total resources: 54.02MT	total resources: 54.02MT	Mines is not working due to unavailability of statutory clearances/permission

1f	General remarks of inspecting officers on geology, exploration etc	-	-	the deposit of Chiria forms a part of the oldest meta-sedimentary an meta-volcanic formations of the chotanagpur plateau. the deposit forms part of the north-western end of the iron ore symclinorium and an integrated part of Horse shoe shaped iron seires of the Bonai range in Jharkhand-Odisha iron ore belt. weathering and supergene enrichment of the BIF have led to iron. Exploration couldnot carried out as the mines is not working Mines due to unavailability of statutory clearances/permission
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	680mRL,686mRL, 692mRL,698mRL, 704mRL	nil	Mines is not working due to unavailability of statutory clearances/permission
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	nil	nil	no topsoil in the proposed location
2c	Stripping ratio or ore to OB ratio	1:0.12	nil	Mines is not working due to unavailability of statutory clearances/permission
2d	Quantity of topsoil generation in m3	nil	nil	no topsoil on proposed location

2e	Quantity of overburden generation in m3	87694 cum	nil	Mines is not working due to unavailability of statutory clearances/permission
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mines is not working due to unavailability of statutory clearances/permission

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 nos	nil	Mines is not working due to unavailability of statutory clearances/permission
3b	Quantity of ROM mineral production proposed	748549 T	nil	Mines is not working due to unavailability of statutory clearances/permission
3c	Recovery of sailable/usable mineral from ROM production	93%	nil	Mines is not working due to unavailability of statutory clearances/permission
3d	Quantity of mineral reject generation	51221 T	nil	Mines is not working due to unavailability of statutory clearances/permission
3e	Grade of mineral rejects generation and threshold value declared.	45-55%fe	nil	Mines is not working due to unavailability of statutory clearances/permission
3f	Quantity of sub grade mineral generation.	17074 cum	nil	Mines is not working due to unavailability of statutory clearances/permission

3g	Grade of sub grade mineral generation	45-55%fe	nil	Mines is not working due to unavailability of statutory clearances/permission
3h	Manual / Mechanised method adopted for segregating from ROM	Partly Manual & Partly mechanized	nil	Mines is not working due to unavailability of statutory clearances/permission
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	no such proposal	nil	nil
3j	Provision of drilling and blasting in mineral benches	Wet drilling and Use of delay detonators	nil	Mines is not working due to unavailability of statutory clearances/permission
3k	Provision of mining machineries in mineral benches	Trucks ,pay loaders and excavators	nil	Mines is not working due to unavailability of statutory clearances/permission
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height to be maintain at 6m	6m bench height observed	Mines is not working due to unavailability of statutory clearances/permission
3m	Total area covered under excavation/pits	7.48 ha	7.48 ha	Mines is not working due to unavailability of statutory clearances/permission
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	nil	Mines is not working due to unavailability of statutory clearances/permission
3o	Total area put in use under different heads at the end of year	25.92 ha	mines not working	Mines is not working due to unavailability of statutory clearances/permission

3p	Production of ROM mineral during the last five year period as applicable	18-19: 749950 T 19-20: 747006 T 20-21: 748036 T 21-22: 748971 T 22-23: 748549 T	18-19: 0 T 19-20: 0 T 20-21: 0 T 21-22: 0 T 22-23: 0 T	Mines is not working due to unavailability of statutory clearances/permission
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mines is not working due to unavailability of statutory clearances/permission

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump is proposed for OB	nil	Mines is not working due to unavailability of statutory clearances/permission
4b	Location of topsoil, OB and mineral reject dumps	OB dump is proposed at east side of the broken area	nil	Mines is not working due to unavailability of statutory clearances/permission
4c	Number of dumps within lease area and outside of lease area	1 within lease area	nil	Mines is not working due to unavailability of statutory clearances/permission
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the pit/UPL	nil	Mines is not working due to unavailability of statutory clearances/permission
4e	Number of active and alive dumps.	1	nil	Mines is not working due to unavailability of statutory clearances/permission
4f	Number of dead dumps.	nil	nil	nil

4g	Number of dumps established.	nil	nil	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	retaining wall proposed around the dump	nil	Mines is not working due to unavailability of statutory clearances/permission
4i	Length of Retaining wall or garland drain all along dumps	retaining wall 105m, garland drain 108m	nil	Mines is not working due to unavailability of statutory clearances/permission
4j	Number of settling ponds	1	nil	Mines is not working due to unavailability of statutory clearances/permission
4k	Specific comments of inspecting officer on waste dump management	-	-	retaining wall and garland drain is proposed to be made around the dump however the same have not been done as the mines is not working due to unavailability of statutory clearances/permission

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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	nil	nil
5b	Area under backfilling of mined out area	No proposal	nil	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	nil	nil



5d	Total area fully reclaimed and rehabilitated	No proposal	nil	no such proposal has been made as the mineral is no fully exhausted.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	no such proposal (for backfilling and reclamation) has been made as the mineral is no fully exhausted further mines is not working due to unavailability of statutory clearances/permission

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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).	yes	yes	Mines is not working due to unavailability of statutory clearances/permission
6b	Area available for rehabilitation (ha) .	nil	nil	nil
6c	afforestation done (ha).	0.64 ha	nil	Mines is not working due to unavailability of statutory clearances/permission
6d	No. of saplings planted during the year	1600 nos	nil	Mines is not working due to unavailability of statutory clearances/permission
6e	Cumulative no .of plants	6400 nos	2500 nos existed	Mines is not working due to unavailability of statutory clearances/permission
6f	Any other method of rehabilitation	nil	nil	nil

6g	Cost incurred on watch and care during the year	no such proposal	nil	nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	nil	nil	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	nil	nil	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	nil	nil	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	nil	nil	nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	nil	nil	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1600 nos	nil	Mines is not working due to unavailability of statutory clearances/permission
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.64 ha	nil	Mines is not working due to unavailability of statutory clearances/permission

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	plantation	nil	Mines is not working due to unavailability of statutory clearances/permission
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air -4 stations Water - 5 stations Noise - 7 stations	Yes, Air -4 stations Water - 5 stations Noise - 7 stations	nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mines is not working due to unavailability of statutory clearances/permission hence compliance of proposal could not achieved

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	saleable ore: 697328 T	nil	Mines is not working due to unavailability of statutory clearances/permission
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	nil	Mines is not working due to unavailability of statutory clearances/permission
7c	Different grade of mineral sorted out at mines.	Sub grade fines + 59% Fe will be blended with blue dust ore having 64% Fe%	nil	Mines is not working due to unavailability of statutory clearances/permission
7d	Any beneficiation process at mines	no such proposl	nil	nil

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	no proposal kept for beneficiation plant at mine.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	nil	nil
8b	Concurrent use or storage of topsoil	No proposal	nil	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	separate dump of OB is kept in proposal	nil	Mines is not working due to unavailability of statutory clearances/permission
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	no proposal	nil	nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	no proposal	nil	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposal for plantation of 1600 no on 0.64 ha	nil	Mines is not working due to unavailability of statutory clearances/permission

8g	Survival rate	60%	nil	Mines is not working due to unavailability of statutory clearances/permission
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust is kept in proposal	nil	Mines is not working due to unavailability of statutory clearances/permission
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	mines is located on plateau of Saranda forest reserve with heavy vegetation which is mainly known for sal tree

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to September - 2023. A.R. submitted up to 2022-23.	M.R. Submitted up to September -2023. A.R. submitted up to 2022-23.	information found in order
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	mines manager: Sri Ravi Ranjan, mining engineer: Sri S S Rao, geologist: Sri Rajesh Kumar Naik	mines manager: Sri Ravi Ranjan, mining engineer: Sri S S Rao, geologist: Sri Rajesh Kumar Naik	officials were present during the field inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Excavated Area-7.48 Waste Dumps- 0.6, Infrastructure -0.12, Roads-1.00, Others - 24.200.	information appears to be in order	nil
9d	Scrutiny of Annual return on afforestation	inside lease: 0, outside lease: 695 nos with survival of 60%	information appears to be in order	nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	no mining operation have been done as the mines is not working due to unavailability of statutory clearances/permission	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock: 8157.270 T closing stock: 8157.270 T, Production: 0 T	information appears to be in order	Mines is not working due to unavailability of statutory clearances/permission
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 0/-	no mining activities has been done as the mines is not working due to unavailability of statutory clearances/permission	Mines is not working due to unavailability of statutory clearances/permission
9h	Scrutiny of Annual return on fixed assets	Rs.5288828958/-	information appears to be in order	Mines is not working due to unavailability of statutory clearances/permission
9k	Scrutiny of Annual return on mining machineries	WATER TANKER: 1	only water tanker have been deployed to sprinkle to water on road to prevent dust emission.	nil

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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 :**

(PHILLIP HAPADGARA)

Indian Bureau of Mines