

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

Review and updation of Mining Plan REPORT

Kolkata regional office

Mine file No : KOL/JHK/SB/FE(A-3)

Mine code : 30JHK18002

- (i) Name of the Inspecting : **G004**) **OM PRAKASH GOPAL**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine : Sh. S.Srinivasa Rao QP and Sh. Rajesh Kumar Naik QP
Official with
Designation
- (iv) Date of Inspection : 06/10/2021
- (v) Prev.inspection date : 27/04/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AJITABURU**
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : JHARKHAND
- District : SINGHBHUM (WEST)
- Village : MANOHAR PUR
- Taluka : MANOHARPUR
- Post office : CHIRIA
- Pin Code : 833108
- FAX No. : 06596-263714
- E-mail : miomchiria@gmail.com
- Phone : 9308128776
- (f) **Police Station** :
- (g) **First opening date** : 05/10/1911
- (h) **Weekly day of rest** : SUN
2. **Address for** : PO. CHIRIA
correspondance DIST .SINGHBHUM (W) .
JHARKHAND- 833106
3. (a) **Lease Number** : JHK0004
- (b) **Lease area** : 323.88
- (c) **Period of lease** :
- (d) **Date of Expiry** : 06/12/2027
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 : Amarendu Prakash
 Steel Authority Of India
 Limited Bokaro Steel Plant
 Bokaro-827001 SINGHBHUM
 (WEST) JHARKHAND
 Phone: 05642240300,024
 FAX : (06542)240/82

Agent : R.P.SINGH
 MANOHARPUR(Mc LELLAN)IRON
 ORE MINE
 P.O.CHIRIA,DIST.WEST
 SINGHBHUM JHARKHAND STATE
 SINGHBHUM (WEST) JHARKHAND
 Phone: 8986881005
 FAX :

Mining Engineer

Name : S. S. RAO,Full Time
 Qualification : AMIE(MINING)
 Appointment/ : 04/07/2011
 Termination date

Geologist

Name : Dr. Rajesh Kumar Naik,Full Time
 Qualification : M.Sc(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 Plan/Scheme of Mining : MP review under 17(1) MCR 2016 10/07/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	17 boreholes (2019-2020)	NIL	Mine remain closed for want of statutory clearances
1b	Exploration over lease area for geological axis 1 or 2	NA	NIL	Mine remain closed 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	NA	NA	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	The mine is not in operation since 1995 for want of statutory clearances. Lease area yet to be fully explored.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North pit and south pit	Mine remain closed for want of statutory clearances	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Mine remain closed for want of statutory clearances	NIL
2c	Stripping ratio or ore to OB ratio	1:0.238	Mine remain closed for want of statutory clearances	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	Mine remain closed for want of statutory clearances
2e	Quantity of overburden generation in m3	94892 cum	NIL	Mine remain closed for want of statutory clearances

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	It was proposed to develop north pit and south pit but, mine remain closed for want of statutory clearances.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	None	Mine remain closed for want of statutory clearances
3b	Quantity of ROM mineral production proposed	1166788 tonnes	NIL	Mine remain closed for want of statutory clearances
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	Mine remain closed for want of statutory clearances
3d	Quantity of mineral reject generation	124760 tonnes	NIL	Mine remain closed for want of statutory clearances
3e	Grade of mineral rejects generation and threshold value declared.	Fe- 52.11 % (average)	Mine remain closed for want of statutory clearances	NIL
3f	Quantity of sub grade mineral generation.	124760 tonnes	NIL	Mine remain closed for want of statutory clearances
3g	Grade of sub grade mineral generation	Fe- 52.11 % (average)	Mine remain closed for want of statutory clearances	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Crushing and dry screening by mobile crusher.	Mine remain closed for want of statutory clearances	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	NIL

3m	Total area covered under excavation/pits	9.68 ha	Mine remain closed for want of statutory clearances	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.238	Mine remain closed for want of statutory clearances	NIL
3o	Total area put in use under different heads at the end of year	NA	Mine remain closed for want of statutory clearances	NIL
3p	Production of ROM mineral during the last five year period as applicable	2016-17- No proposal 2017-18- No proposal 2018-19-963171 tonnes 2019-20- 1120363 tonnes 2020-21- 1166788 tonnes	2016-17- NIL 2017-18- NIL 2018-19-NIL 2019-20-NIL 2020-21-NIL	The mine is not in operation since 1995 for want of statutory clearances.
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	The mine is not in operation since 1995 for want of statutory clearances.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Generation of top soil not envisaged. seperate dumining for OB and mineral reject proposed.	Mine remain closed and not reopened yet for want of statutory clearances.	NIL

4b	Location of topsoil, OB and mineral reject dumps	Generation of top soil not envisaged. Dumping of waste proposed in western part of broken area. Out of total generated subgrade 40% will be utilised for blending and remaining 60% will be stacked over existing subgrade dump.	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
4c	Number of dumps within lease area and outside of lease area	One	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL within broken area	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
4e	Number of active and alive dumps.	One	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
4f	Number of dead dumps.	NIL	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
4g	Number of dumps established.	NIL	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
4i	Length of Retaining wall or garland drain all along dumps	NA	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
4j	Number of settling ponds	NA	Mine remain closed and not reopened yet for want of statutory clearances.	NIL

4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
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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 such proposal	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
5b	Area under backfilling of mined out area	No such proposal.	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Generation of top soil not envisaged	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NMine remain closed and not reopened yet for want of statutory clearances.II
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NIL	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).	PMCP report not submitted as mine is not under operation since 1995	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
6b	Area available for rehabilitation (ha) .	NIL	NIL	Mine remain closed and not reopened yet for want of statutory clearances.

6c	afforestation done (ha).	0.25 ha	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
6d	No. of saplings planted during the year	500	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
6e	Cumulative no .of plants	NA	NA	NIL
6f	Any other method of rehabilitation	None	None	NIL
6g	Cost incurred on watch and care during the year	Rs. 50000/-	NA	Mine remain closed and not reopened yet for want of statutory clearances.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	No such proposal	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposal	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	NIL	NIL

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	PMCP proposal could not be implemented as the Mine remain closed since 1995 and not reopened yet for want of statutory clearances.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
7c	Different grade of mineral sorted out at mines.	NA	NIL	Mine remain closed and not reopened yet for want of statutory clearances.
7d	Any beneficiation process at mines	NIL	NIL	NIL

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NIL	NIL	NIL
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Generation of top soil not envisaged	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
8b	Concurrent use or storage of topsoil	Generation of top soil not envisaged.	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes seperate dumping for waste and subgrade envisaged.	Mine remain closed and not reopened yet 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 and not reopened yet 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 since 1995 and not reopened yet for want of statutory clearances.	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	NIL	Mine remain closed and not reopened yet for want of statutory clearances.

8g	Survival rate	NA	NA	Mine remain closed and not reopened yet for want of statutory clearances.
8h	Water sprinkling on roads to control airborne dust	Yes	Mine remain closed and not reopened yet for want of statutory clearances.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	Mine remain closed and not reopened yet for want of statutory clearances.	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual Returns submitted	Annual Returns submitted	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Sh. SS Rao Geologist: Sh. Rajesh Kumar Naik	Shri SS Rao and Sh. Rajesh Kumar Naik were QP for preparation of RMP document and also accompanied at the time of inspection.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under O/C working- 9.68 ha; Infrastructure - 30.52 ha; Others- 18.05 ha	Reported details are in order	NIL
9d	Scrutiny of Annual return on afforestation	350 (outside lease area)	Inspection was for processing of RMP document and was restricted within lease area.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	Mine remain closed during reporting period.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening and closing stocks: 1300o tonnes	Details are in order	NIL

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production: NIL	Mine Remain closed and there was no production during reporting period.	NIL
9h	Scrutiny of Annual return on fixed assets	Value of Fixed assets: Rs. 2261014476	NO comments as mine remain closed at the time of inspection	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	Mine remain closed	NIL

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