

**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(W)/FE(T-1)

Mine code : 30JHK18007

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri.Sawari, AGM & Shri. Tanveer, Geologist
Official with
Designation
- (iv) Date of Inspection : 11/11/2019
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TOPAILORE**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : JHARKHAND
District : SINGHBHUM (WEST)
Village : GUA
Taluka : NOAMUNDI
Post office : GUA
Pin Code : 833213
FAX No. : 06596-263714
E-mail : guappc@gmail.com
Phone : 06596-263713
- (f) Police Station : GUA
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : JHK0005
(b) Lease area : 14.15
(c) Period of lease :
(d) Date of Expiry : 08/03/2040
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 : Vivek Gupta ,Director (Raw Material & Logistics)
Steel Authority Of India
Limited Isoat Bhawan,Lodi
Road New Delhi-110003
SINGHBHUM (WEST) JHARKHAND
Phone:
FAX :

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Borehole has been proposed in approved mining plan.	No Borehole has been drilled	MECL has drilled 14 boreholes for total meterage of 383.95 meters to assess the quantity & quality of iron ore fines stacked in the lease.
1b	Exploration over lease area for geological axis 1 or 2	No Borehole has been proposed in approved mining plan.	No Borehole has been drilled	Based on existing drilled boreholes, the entire lease area is considered as G-1
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Own drilling and/ or Contract drilling machines were used for Exploration in the past.	14 boreholes were drilled past and expenditure details are not available.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Borehole has been proposed in approved mining plan.	No Borehole has been drilled	
1e	Balance reserve as on 01/04/20	Reserves & Resources as on 01.04.2019 Proved Mineral Reserves (111) = 6000000 tons Feasibility Mineral Resources (211) = 580000 Tons	Reserves & Resources as on 01.04.2019 Proved Mineral Reserves (111) = 6000000 tons Feasibility Mineral Resources (211) = 580000 Tons	Hence there is no mining activity; R & R has not been changed and carry forward from previous approved mining plan.

1f	General remarks of inspecting officers on geology, exploration etc	Topailore Iron ore deposit is not a result of a conventional Geological Formation; rather it is result of deposition of Iron Ore fines of - 10mm produced in the adjacent lease.	Iron ore fines are carried to Topailore by process of natural sliding aided by precipitation. Shale is overlain.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
2c	Stripping ratio or ore to OB ratio	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
2d	Quantity of topsoil generation in m3	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
2e	Quantity of overburden generation in m3	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine is not Working, for want of Statuary Clearances.	Mine is not having any valid mining plan.	Now the lessee has submitted the Modified Mining plan for approval.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3b	Quantity of ROM mineral production proposed	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3c	Recovery of sailable/usable mineral from ROM production	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3d	Quantity of mineral reject generation	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3f	Quantity of sub grade mineral generation.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3g	Grade of sub grade mineral generation	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3j	Provision of drilling and blasting in mineral benches	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3k	Provision of mining machineries in mineral benches	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3m	Total area covered under excavation/pits	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2007. Mines = 4.56 hect Infra = 0.25 hect Road = 0.38 hect	Land use Pattern as on 01.04.2019. Mines = 4.56 hect Infra = 0.25 hect Road = 0.38 hect	There are no Changes in land use Pattern from 2007 because of Non-Working.
3p	Production of ROM mineral during the last five year period as applicable	No Proposal	Nil	From 2000 to till date, the Mine was not working due to want of statutory order
3q	General remarks of inspecting officers on method of mining etc.	Mine is not Working, for want of Statuary Clearances.	Mine is not having valid mining plan	Now the lessee has submitted the Modified Mining plan for approval.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4e	Number of active and alive dumps.	No Proposal	Nil	There is no active dump within lease area for waste dumping.
4f	Number of dead dumps.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4g	Number of dumps established.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4j	Number of settling ponds	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
4k	Specific comments of inspecting officer on waste dump management	Mine is not Working, for want of Statuary Clearances.	Mine is not having valid mining plan	Now the lessee has submitted the Modified Mining plan for approval.

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	Mine is not Working, for want of Statuary Clearances.
5b	Area under backfilling of mined out area	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine is not Working, for want of Statuary Clearances.	Mine is not having valid mining plan	Now the lessee has submitted the Modified Mining plan for approval.

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).	It should be on or before 1st July every year.	Not Submitted	Mine is not Working, for want of Statuary Clearances.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6c	afforestation done (ha).	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6d	No. of saplings planted during the year	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6e	Cumulative no .of plants	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6f	Any other method of rehabilitation	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6g	Cost incurred on watch and care during the year	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Bi-Annually Survey	Environment monitoring is carried out through own as well as private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Mine is not Working, for want of Statuary Clearances.	Mine is not having valid mining plan	Now the lessee has submitted the Modified Mining plan for approval.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
7c	Different grade of mineral sorted out at mines.	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
7d	Any beneficiation process at mines .	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mine is not Working, for want of Statuary Clearances.	Mine is not having valid mining plan	Now the lessee has submitted the Modified Mining plan for approval.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proopsal	Nil	Mine is not Working, for want of Statuary Clearances.

8b	Concurrent use or storage of topsoil	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8g	Survival rate	No Proposal	Nil	Mine is not Working, for want of Statuary Clearances.
8h	Water sprinkling on roads to control airborne dust	No Proposal	Water sprinkling on road is observed during the inspection.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes are observed in lease area	Surrounding area beyond lease area is greenery. The area is hilly terrain.	Area is in forest and there is no agricultural land within the lease.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR Submitted up to = September 2019 AR Submitted up to = 2018-2019	Both Annual & Monthly returns are submitting in online system. Submitted within the time limits	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointment of Mining Engineer, Geologist is shown as full time.	Mining Engineer & Geologist are appointed as part time for all the non working mines.	It is advised to show only as part time.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Landuse pattern is given	Landuse Pattern is filled as per approved Mining Plan	
9d	Scrutiny of Annual return on afforestation	Within Lease = Nil	Due to want of statutory clearance of forest the lessee has not planted any saplings inside the lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects Generation	There is no Mineral Rejects Generation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Due to Non-Working from 2000, there is no ROM stock and all are nil only.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.Mine Price & Production cost is Zero	Due to Non-Working, there is no ROM, hence Ex.Mine Price & Production cost is Zero.	
9h	Scrutiny of Annual return on fixed assets	Fixed Assets is given	Fixed Assets is filled	
9k	Scrutiny of Annual return on mining machineries	Machineries detail not given	Due to Non-Working, there is no availability of machineries in field.	

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 :

(G. S. KANNAN)

Indian Bureau of Mines