

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/KJR/MCDR-13/BBS

Mine code : 40ORI08026

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Pankaj Kumar, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 26/06/2021
- (v) Prev.inspection date : 22/10/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANMORA**
- (b) **Registration NO.** : **4376/40ORI08026**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : BICHAKUNDI
- Taluka : CHAMPURA
- Post office : BICHAKUNDI
- Pin Code :
- FAX No. : 06767-211789
- E-mail : chiefofficejoda@tatasteel.co
- Phone : 06767-211789
- (f) Police Station : Champua
- (g) First opening date : 01/04/1967
- (h) Weekly day of rest : SUN
2. Address for : MONMORA MANGANESE MINES, M/S TISCO LTD
correspondance P.O.JODA, DIST:KEONJHAR
ORISSA-758034
3. (a) Lease Number : ORI0176
- (b) Lease area : 16.34
- (c) Period of lease : 20
- (d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S TATA STEEL LTD
 NUAMUNDI SINGBHUM WEST
 JHARKHAND SINGHBHUM (WEST)
 JHARKHAND
 Phone:06596-233740
 FAX :06596-233706

Owner : M/S TATA STEEL LTD
 NUAMUNDI SINGBHUM WEST
 JHARKHAND SINGHBHUM (WEST)
 JHARKHAND
 Phone: 06596-233740
 FAX : 06596-233706

Agent : SHRI RAJESH KUMAR
 JODA EAST IRON MINE
 KEONJHAR ODISHA KEONJHAR
 ORISSA
 Phone: 9234612797
 FAX :

Mining Engineer

Name : SHRI DIPANJAN PAL,Full Time
 Qualification : B E MINING
 Appointment/ : 15/06/2016
 Termination date

Geologist

Name : SHRI SUDIPTA DAS,Full Time
 Qualification : MSC APPLIED GEOLOGY
 Appointment/ : 15/05/2019
 Termination date

Manager

Name : Dipanjan pal
 Qualification : B tech. (Mining)
 Appointment/ : 09/05/2016
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	20/07/2000
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	21/11/2005
	:	Modif.of approved Mining Plan	26/03/2009
	:	Mining Scheme rule 12 MCDR1988	31/03/2010
	:	Mining Scheme rule 12 MCDR1988	07/04/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not applicable	Nil	
1e	Balance reserve as on 01/04/20	Resources /reserves as per the last approved plan under 221 : 0.07 Lakh T and 331 : 0.43 Lakh T	Resources /reserves as on 01/04/2021 are under 221 category : 0.07 Lakh T and 331 category : 0.43 Lakh T.	There is no mineable reserves as reported in approved scheme of mining.
1f	General remarks of inspecting officers on geology, exploration etc		There is no mineable reserves as reported in approved scheme of mining.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil
2c	Stripping ratio or ore to OB ratio	No valid proposal.	Nil
2d	Quantity of topsoil generation in m3	No valid proposal.	Nil
2e	Quantity of overburden generation in m3	No valid proposal.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No valid Proposal. the last approved mining plan was valid up to the year 2019-20.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
3b	Quantity of ROM mineral production proposed	No valid proposal.	Nil	

3c	Recovery of sailable/usable mineral from ROM production	No valid proposal.	Nil
3d	Quantity of mineral reject generation	No valid proposal	Nil
3e	Grade of mineral rejects generation and threshold value declared.	No valid proposal	Nil
3f	Quantity of sub grade mineral generation.	No valid proposal	Nil
3g	Grade of sub grade mineral generation	No valid proposal	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	No valid proposal	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid proposal	Nil
3j	Provision of drilling and blasting in mineral benches	No valid proposal	Nil
3k	Provision of mining machineries in mineral benches	No valid proposal	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid proposal	Nil
3m	Total area covered under excavation/pits	No valid proposal	Nil

3n	Ore to OB ratio for the pit/mine during the year.	No valid proposal	Nil
3o	Total area put in use under different heads at the end of year	No valid proposal	Nil
3p	Production of ROM mineral during the last five year period as applicable	2016-17: Nil 2017-18: Nil 2018-19: Nil 2019-20: Nil	2016-17: Nil 2017-18: Nil 2018-19: Nil 2019-20: Nil
3q	General remarks of inspecting officers on method of mining etc.		No valid Proposal. the last approved mining plan was valid up to the year 2019-20.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No valid proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No valid proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid proposal	Nil	
4e	Number of active and alive dumps.	No valid proposal	Nil	

4f	Number of dead dumps.	No valid proposal	Nil
4g	Number of dumps established.	No valid proposal	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid proposal	Nil
4i	Length of Retaining wall or garland drain all along dumps	No valid proposal	Nil
4j	Number of settling ponds	No valid proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		No valid Proposal. the last approved mining plan was valid up to the year 2019-20.

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 valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
5b	Area under backfilling of mined out area	No valid proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid proposal	Nil	

5d	Total area fully reclaimed and rehabilitated	No valid proposal	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No valid Proposal. the last approved mining plan was valid up to the year 2019-20.

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).	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
6b	Area available for rehabilitation (ha) .	No valid proposal	Nil	
6c	afforestation done (ha).	No valid proposal	Nil	
6d	No. of saplings planted during the year	No valid proposal	Nil	
6e	Cumulative no .of plants	No valid proposal	Nil	
6f	Any other method of rehabilitation	No valid proposal	Nil	
6g	Cost incurred on watch and care during the year	No valid proposal	Nil	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No valid proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No valid proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid proposal	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid proposal		Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)		Quarterly monitoring of air, water, noise quality carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No valid proposal	Nil	
7d	Any beneficiation process at mines	No valid proposal	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
8b	Concurrent use or storage of topsoil	No valid Proposal. the last approved mining plan was valid up to the year 2019-20.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid proposal	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid proposal	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid proposal	Nil
8g	Survival rate	No valid proposal	Nil
8h	Water sprinkling on roads to control airborne dust		water sprinkling carried out.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty maintained.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017	monthly return submitted. yeraly return has not been submitted till the date of inspection.	have to be submitted before July 1st 2021.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted till the time of inspection date.	Not applicable	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted till the time of inspection date.	Not applicable
9d	Scrutiny of Annual return on afforestation	Not submitted till the time of inspection date.	Not applicable
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted till the time of inspection date.	Not applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted till the time of inspection date.	Not applicable
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted till the time of inspection date.	Not applicable
9h	Scrutiny of Annual return on fixed assets	Not submitted till the time of inspection date.	Not applicable
9k	Scrutiny of Annual return on mining machineries	Not submitted till the time of inspection date.	Not applicable

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 :

(RAMKISHAN R)

Indian Bureau of Mines