

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

Review and updation of Mining Plan REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-67/NGP

Mine code : 40MPR01070

- (i) Name of the Inspecting : **KQ14**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Rajesh Bhattacharya (Jt GM), Shri D.V. Ratnapark
Official with
Designation
- (iv) Date of Inspection : 23-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TIRODI (4.42 HA.)**
- (b) **Registration NO.** : **IBM/5711/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for :
correspondance :
3. (a) Lease Number : MPR1571
- (b) Lease area : 4.42
- (c) Period of lease : 30
- (d) Date of Expiry : 29-JUN-46
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the
Lessee : M/S MANGANESE ORE (INDIA) LTD.
3, MOUNT ROAD EXTENSION
POST BOX NO. 34, NAGPUR
(MP) NAGPUR MAHARASHTRA
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	NA	NIL	The mine is not in operation. EC is under process. Inspection was undertaken for RMP document processing.
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	This is a additional lease of MOIL Ltd which is contiguous to common boundary of the main lease. Exploration in the lease is not proposed in the RY.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not done	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Exploration not done	Complete lease area is required to explored after EC clearance.
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2021 is 2449 T.	
1f	General remarks of inspecting officers on geology, exploration etc			The mine was not in operation due to want of EC document. This is a additional lease of MOIL Ltd which is contiguous to common boundary of the main lease. Exploration in the lease was not proposed in the RY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Not proposed	Not done	Only dump working was proposed from the old dump.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Not done	
2c	Stripping ratio or ore to OB ratio	No proposal	NIL	OB removal was not proposed. It is a non working mine due to want of EC.
2d	Quantity of topsoil generation in m3	No top soil removal proposed	Nil	
2e	Quantity of overburden generation in m3	No proposal for OB removal	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of pit was not proposed in the lease area. Only dump working was proposed. The mine is non working due to want of EC document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NIL	NIL	only dump working was proposed in the RY. Mine is non working due to want of EC
3b	Quantity of ROM mineral production proposed	800 Tonnes	NIL	only dump working was proposed in the RY. Mine is non working due to want of EC
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	only dump working was proposed in the RY. Mine is non working due to want of EC

3d	Quantity of mineral reject generation	NIL	NIL	only dump working was proposed in the RY. Mine is non working due to want of EC
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	
3f	Quantity of sub grade mineral generation.	Not proposed	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Manual sorting & Jigging. No any analysis or study proposed	Not done	
3j	Provision of drilling and blasting in mineral benches	No proposal	Not done	
3k	Provision of mining machineries in mineral benches	No proposal	Not done	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	No any pit or benches in the lease area.	only dump working was proposed in the RY. Mine is non working due to want of EC
3m	Total area covered under excavation/pits	NIL	NIL	only dump working was proposed in the RY. Mine is non working due to want of EC

3n	Ore to OB ratio for the pit/mine during the year.	NIL		NIL	
3o	Total area put in use under different heads at the end of year	3.04 Ha		3.04 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18- 800 T 2018-19- 800 T 2019-20- 800 T 2020-21- 800 T		2017-18- Nil 2018-19- Nil 2019-20- Nil 2020-21- Nil	only dump working was proposed in the RY. Mine is non working due to want of EC
3q	General remarks of inspecting officers on method of mining etc.				Mine opening notice has not been sent by lessee. only dump working was proposed in the RY as per approved Mining Plan. Mine is non working due to want of EC

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Separate dumping of OB was proposed after dump working.	Mine opening notice has not been sent by lessee. only dump working was proposed in the RY as per approved Mining Plan. Mine is non working due to want of EC
4b	Location of topsoil, OB and mineral reject dumps	OB dump was proposed after dump working as per approved plan	NIL	Mine opening notice has not been sent by lessee. Mine is non working due to want of EC.
4c	Number of dumps within lease area and outside of lease area	One old dump	One dump	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	One dump.	There is no exploration done in the lease area. No any proof of insitu mineral in the lease area.
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL
4j	Number of settling ponds	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management		Mine opening notice has not been sent by lessee. only dump working was proposed in the RY as per approved Mining Plan. Mine is non working due to want of EC

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.	Not proposal	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mine opening notice has not been sent by lessee. only dump working was proposed in the RY as per approved Mining Plan. Mine is non working due to want of EC. Backfilling and reclamation was not proposed in the lease area.

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	Not submitted	Mine opening notice has not been sent by lessee. Mine is non working due to want of EC
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	NIL	NIL	
6e	Cumulative no .of plants	NIL	NIL	
6f	Any other method of rehabilitation	No proposal	NIL	

6g	Cost incurred on watch and care during the year	Not specified	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not done
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NIL

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	NIL	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Environmental Monitoring related reports shown during the inspection.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mine opening notice was not submitted by lessee due to want of EC.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting of mineral was proposed	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Not done	
7c	Different grade of mineral sorted out at mines.	Mn above 10%	NIL	
7d	Any beneficiation process at mines	Jigging	Not done	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Dump working in the old dump was proposed in the lease area for extraction of mineral. Manual sorting and jigging was proposed. But, the mine was non working due to want of EC document.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil in the lease area	NIL	
8b	Concurrent use or storage of topsoil	No top soil in the lease area	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump of OB was proposed after dump working	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	No insitu working was proposed	No mining activity in the lease area.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	NIL	Some trees observed in the lease area which were grown naturally.
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Yes	Not done	No mining activities in the lease area due to want of EC.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The mine was non working due to want of EC. Some trees were observed in the lease area which were grown naturally. Mine area was not degraded for development of pits.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR submitted with NIL information.		Mine opening notice has not been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer - Shri D.V. Ratnaparkhi Geologist - Shri Subhransu Pani	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	As per Annual Return	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	The mine was non working due to want of EC. Some trees were observed in the lease area which were grown naturally. Mine area was not degraded for development of pits.

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 :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines