

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

**MCDR INSPECTION REPORT**

**Nagpur regional office**

**Mine file No :** MAH/NAG/MN-319/NGP

**Mine code :** 40MSH14046

- (i) Name of the Inspecting : **S123** ) **A.K. PATEL**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri Surendra Deorao Warkade ACCOUNTANT/LDC  
Official with  
Designation
- (iv) Date of Inspection : 13-Sep-21
- (v) Prev.inspection date : 26-Sep-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHANDARBODI (17.51 HA.)**
- (b) **Registration NO.** : **IBM/17993/2014**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MAHARASHTRA  
District : NAGPUR  
Village : BHANDARBODI  
Taluka : RAMTEK  
Post office : BHANDARBODI  
Pin Code : 441106  
FAX No. :  
E-mail : tminerlas2014@gmail.com  
Phone :
- (f) Police Station :
- (g) First opening date : 20-Dec-12
- (h) Weekly day of rest :
2. Address for : Bhimtola  
correspondance : Village Bhandarbodi, Tehsil- Ramtek  
District-Nagpur 441106
3. (a) Lease Number : MSH0401
- (b) Lease area : 17.51
- (c) Period of lease : 20
- (d) Date of Expiry : 08-Oct-32
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/S TIRUPATI MINERALS  
PRITI NURSING HOME, SHIV  
NAGAR, AT & PO- TUMSAR,  
DISTT.-BHANDARA (MS)  
BHANDARA MAHARASHTRA  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	28-Jul-08
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	01-Dec-16
		MP review under 17(1) MCR 2016	07-Apr-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	-	-	-
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	81404 MT	25556	YES
1f	General remarks of inspecting officers on geology, exploration etc	AS PER MINING PLAN	PARTIALY DONE	PIT FILLED WITH RAIN WATER

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	FOOTWALL AND HANGING WALL	NONE	PIT FILLED WITH RAIN WATER
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	-	NO WORK	PIT FILLED WITH WATER
2c	Stripping ratio or ore to OB ratio	1:7	-//-	--
2d	Quantity of topsoil generation in m3	NIL	NIL	YES
2e	Quantity of overburden generation in m3	NIL	NIL	YES

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	--	--	PIT FILLED WITH RAIN WATER
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## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	NONE	DUMP WORK
3b	Quantity of ROM mineral production proposed	51930MT	NIL	--
3c	Recovery of sailable/usable mineral from ROM production	40000 MT	NO WORK	--
3d	Quantity of mineral reject generation	2595	NIL	--
3e	Grade of mineral rejects generation and threshold value declared.	NO MARKET	NO WORKER	--
3f	Quantity of sub grade mineral generation.	7791	NIL	--
3g	Grade of sub grade mineral generation	7% MN	NIL	YES
3h	Manual / Mechanised method adopted for segregating from ROM	MANNUAL	MANNUAL	YES
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	LAB TEST	LAB TEST	OLD BOE HOLES SAMPLES SEEN
3j	Provision of drilling and blasting in mineral benches	JACK HAMMER	JACK HAMMER	DURING THE YEAR BUT DURING THE INSEPECTION PIT FILLED WITH WATER

3k	Provision of mining machineries in mineral benches	NONE	NONE	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	YES
3m	Total area covered under excavation/pits	17595 m2	nil	pit filled with Rain water
3n	Ore to OB ratio for the pit/mine during the year.	1:7	1:19	yes
3o	Total area put in use under different heads at the end of year	16.312 hect	3.02 hect	dump too
3p	Production of ROM mineral during the last five year period as applicable	51930 mt	51267 mt	yes
3q	General remarks of inspecting officers on method of mining etc.	as per mining plan	--	pit filled with water

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NW	NW	NW
4b	Location of topsoil, OB and mineral reject dumps	NW	NW	NW
4c	Number of dumps within lease area and outside of lease area	2	2	YES
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	-	-

4e	Number of active and alive dumps.	NONE	NONE	NONE
4f	Number of dead dumps.	-	1	YES
4g	Number of dumps established.	NONE	NONE	NONE
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	YES
4i	Length of Retaining wall or garland drain all along dumps	650 MTR	650 MTR	GARLAIND DRAIN
4j	Number of settling ponds	NONE	NONE	YES
4k	Specific comments of inspecting officer on waste dump management	AS PER MINING PLAN	PARTIALY DONE	YES

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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.	PROVISIONAL	WORKING DISCONTINUED	YES
5b	Area under backfilling of mined out area	NONE	NONE	YES
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	KEPT SEPRAT	KEPT SEPRAT	YES
5d	Total area fully reclaimed and rehabilitated	AS PER MINING PLAN	WORKING DISCONTINUED	YES
5e	General remarks of inspecting officers on backfilling and reclamation etc.	AS PER MINING PLAN	WORKING DISCONTINUED	WORKING DISCONTINUED DUE TO COVID

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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).	-	-	-
6b	Area available for rehabilitation (ha) .	0.50 HECT	0.25 HECT	YES
6d	No. of saplings planted during the year	100	100	YES
6e	Cumulative no .of plants	100	150	SOME PLANT IS DEAD
6f	Any other method of rehabilitation	-	-	-
6g	Cost incurred on watch and care during the year	5.00 LAKH	2.16 LAKH	YES
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NONE	NONE	NONE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NONE	NONE	NONE
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NONE	NONE	NONE
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NONE	NONE	YES

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	--	--	--
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	--	--	--
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	--	--
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	--	--	--
6p	Compliance of environmental monitoring (core zone and buffer zone)	AS PER MINING PLAN	--	YES
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NONE	NONE	YES

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	WITHIN LEASE AREA	YES	YES
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL	YES
7c	Different grade of mineral sorted out at mines.	AS PER MINING PLAN	AT WORKING PLACE	YES

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7d	Any beneficiation process at mines	NONE	NONE	NONE
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	AS PROPOSED IN MINING PLAN	DONE	YES

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NONE	NONE	YES
8b	Concurrent use or storage of topsoil	NONE	NONE	YES
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPERATE	SEPERATE	YES
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NOT DONE	NOT DONE	YES
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	AS PER MINING PLAN	NOT DONE	YES
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	--	--

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8g	Survival rate	ALREADY MENTIONED ABOVE	ALREADY MENTIONED ABOVE	ALREADY MENTIONED ABOVE
8h	Water sprinkling on roads to control airborne dust	YES	YES	YES
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	AS PER MINING PLANE	YES	AS ABOVE

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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 AUG 2021 A.R. SUBMITTED UP TO 2020-21	YES	YES
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	--	NOT PRESENT	GEOLOGIST AND MINING ENGINEER NIS TO BE APPONTEED
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	YES	PIT FILLED WITH RAIN WATER	YES
9d	Scrutiny of Annual return on afforestation	AS PER MINING PLAN	DONE BUT NOT SURVIVED	IS TO BE DONE MONRE PLANTATION
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0	0	YES
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0	0	YES
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs 2815 below 25% mn Rs 6469 25% to 35%	as given in AR	YES

9h	Scrutiny of Annual return on fixed assets	AS PER AR	YES	YES
9k	Scrutiny of Annual return on mining machineries	AS PER AR	YES	YES

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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
MCDR17	Rule 11(1)	16-Sep-21	29-Sep-21			
MCDR17	Rule 55(1)(3)	16-Sep-21	29-Sep-21			

**Date :**

**(A.K. PATEL)**

Indian Bureau of Mines