

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

**MCDR inspection REPORT**

**Nagpur regional office**

**Mine file No :** MP/BGT/MN/MPLN-73/NGP

**Mine code :** 40MPR01072

- (i) Name of the Inspecting : **G007** ) **PRASHAY GAJBHIYE**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Sudhir Nagpure, Mining Engineer & Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 19-OCT-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MIRAGPUR (4.20 HA.)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : MIRAGPUR  
Taluka : KHAIRLANGI  
Post office : MIRAGPUR  
Pin Code : 481449  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 23-JUN-14
- (h) Weekly day of rest :
2. Address for : Village-Miragpur  
correspondance : Tehsil-Khairlanji  
District-Balaghat
3. (a) Lease Number : MPR2427
- (b) Lease area : 4.2
- (c) Period of lease : 20
- (d) Date of Expiry : 11-SEP-32
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SHRI RAJENDRA DESHMUKH  
AT&POST:- MIRAGPUR TAH:-  
WARASEONI DIST:- BALAGHAT  
BALAGHAT MADHYA PRADESH  
Phone:  
FAX :

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

: Fresh under rule 22 MCR1960

13-JAN-12

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	17 No.of Holes.	Not Done.	
1b	Exploration over lease area for geological axis 1 or 2	Proposed 06 Bore Holes.	Work not done.	Violation letter issued on 03/11/2021 under rule 11(1)
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	4.20 Hact.	Nil	
1e	Balance reserve as on 01/04/20		58598 Ton.	Balance reserve as on 01.01.2021 is 58598t.
1f	General remarks of inspecting officers on geology, exploration etc			Exploration work is not done. violation letter issued on 03.11.2021.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No.1 & 2.	Pit No.1 & 2.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil -NIL	Nil	Mining is very small
2c	Stripping ratio or ore to OB ratio	Float ore mining.	Float ore mining.	Float ore mining.
2d	Quantity of topsoil generation in m3	Nil.	Nil.	Float ore mining.

2e	Quantity of overburden generation in m3	OB is proposed in 7200 Ton	OB removed in 13750 ton. Float ore mining.	Float ore mining.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development in Pit No.1 & 2, in small Float Mining Area.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit No.1 & 2 .	Pit No.1 & 2 .	Pit No.1 & 2 .
3b	Quantity of ROM mineral production proposed	2000Ton.	2000Ton.	
3c	Recovery of sailable/usable mineral from ROM production	2000Ton.	2000Ton.	
3d	Quantity of mineral reject generation	Nil.	Nil.	Blended in high grade mangnease ore.
3e	Grade of mineral rejects generation and threshold value declared.		Threshold value in below 10% of manganese.	Blended in high grade mangnease ore.
3f	Quantity of sub grade mineral generation.	Nil.	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.	Not Proposed.	Not Applicable.	
3j	Provision of drilling and blasting in mineral benches	Not Proposed.	Not done as per office records	Not Applicable.
3k	Provision of mining machineries in mineral benches	Not Proposed.	Not Applicable.	Not Applicable.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	
3m	Total area covered under excavation/pits	4.2 Hact.	1.08 hact.	
3n	Ore to OB ratio for the pit/mine during the year.	Float ore mining.	Float ore mining. Ratio is 1:10.	
3o	Total area put in use under different heads at the end of year	1.386 Hact.	0.79 Hact.	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 2000Ton. 2017-18 - 2000Ton. 2018-19 - 2000Ton. 2019-20 - 2000Ton. 2020-21 - 2000Ton.	2016-17 - 00. 2017-18 -00. 2018-19 -00. 2019-20 -2000Ton. 2020-21 -2000Ton.	
3q	General remarks of inspecting officers on method of mining etc.			Float ore mining.

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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)	Not Proposed.	Not Proposed.	
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed.	Not Applicable.	
4c	Number of dumps within lease area and outside of lease area	Not Proposed.	Not Applicable.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed.	Not Proposed.	
4e	Number of active and alive dumps.	Not Proposed.	Not Applicable.	
4f	Number of dead dumps.	Not Applicable.	Not Applicable.	
4g	Number of dumps established.	Not Proposed.	Not Proposed.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed.	Not Proposed.	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed.	Not Proposed.	

## 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.	Partly extraction of mineral from mined out area.	Not achived.	Violation letter issued on 03/11/2021 under rule 11(1) of MCDR 2017
5b	Area under backfilling of mined out area	Nil.	Not Achieved.	Violation Letter issued on 03/11/2021.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed.	Not Proposed.	
5d	Total area fully reclaimed and rehabilitated	Nil.	Not Proposed.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is not achieved in Pit 1 Area. Violation Letter issued on 03/11/2021.

#### 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).		Not submitted.	Violation Letter issued on 03/11/2021 under rule 26(2) .
6b	Area available for rehabilitation (ha) .	Not Proposed.	Not Applicable.	
6c	afforestation done (ha).	Not Proposed.	Not Applicable.	
6d	No. of saplings planted during the year		Not Reported.	Violation letter issued on 03/11/2021.
6e	Cumulative no .of plants		Not Reported.	Violation letter issued on 03/11/2021.
6f	Any other method of rehabilitation	Not Proposed.	Not Applicable.	
6g	Cost incurred on watch and care during the year	Not Proposed.	Not Applicable.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D		Not achieved.	Violation letter issued on 03/11/2021.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed.	Not Applicable.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not Proposed.	Not Applicable.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed.	Not Applicable.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Proposed.	Not Applicable.	

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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise shorting within lease area.	Grade wise shorting within lease area.	Grade wise shorting within lease area.

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual shorting.	Manual shorting.	
7c	Different grade of mineral sorted out at mines.	(a) Below 25% Mn (b) 25% to below 35% Mn (c) 35% to below 46% Mn (d) 46% Mn and above	(a) Below 25% Mn (b) 25% to below 35% Mn (c) 35% to below 46% Mn (d) 46% Mn and above	
7d	Any beneficiation process at mines	Not Proposed.	Not Proposed.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Only screening and manual shorting.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed.	Not Applicable.	
8b	Concurrent use or storage of topsoil	Not Proposed.	Not Proposed.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed.	Float ore small mining.	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed.	Not Proposed.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed.	Not Proposed.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed.	PMCP Report is not submitted.	Violation Letter issued on 03/11/2021.
8g	Survival rate	As per approved documents.	60 % Survival rate in Plants.	
8h	Water sprinkling on roads to control airborne dust	By Water tanker.	Water sprinkling on roads to control airborne dust by water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation seen in around mines area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Return submitted time to time.		Return submitted time to time.

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Appointed Mining Engineer Shri Sudhir Nagpure & Shri Shenwai Geologist.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.026 Hact.	Backfilling is not done in Pit 01 Area. Violation Letter issued on 03/11/2021. under rule 26(2)	Backfilling is not done Pit No.01 Area. Violation Letter issued on 03/11/2021.
9d	Scrutiny of Annual return on afforestation	250 Trees Planted in Mining Lease area. 50 Trees Planted in Outside Lease area.	The Planted is seen in Mine area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	(a) Below 25% Mn. (b) 25% to below 35% Mn. (c) 35% to below 46% Mn. (d) 46% Mn and above.	(a) Below 25% Mn. (b) 25% to below 35% Mn. (c) 35% to below 46% Mn. (d) 46% Mn and above.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	516.7 Ton In Closing Stock in as on 01/04/2021.	516.7 Ton In Closing Stock in as on 01/04/2021.	516.7 Ton In Closing Stock in as on 01/04/2021.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	ex mine prise value is given the annual return is 2000 Rupees to 11000 Rupees. Sale value is given in 2500Rupees to 8000 Rupees.	ex mine prise value is given the annual return is 2000 Rupees. Sale value is given in 2500Rupees to 8000 Rupees.	ex mine prise value is given the annual return is 2000 Rupees to 11000 Rupees. Sale value is given in 2500Rupees to 8000 Rupees.
9h	Scrutiny of Annual return on fixed assets	Zero	Nil.	Nil.

9k	Scrutiny of Annual return on mining machineries	Manual mines. Manual mines.	Mines are working in manually operated.
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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)	03-NOV-21			
MCDR17	Rule 26(2)	03-NOV-21			
MCDR17	Rule 55(1) (3)	03-NOV-21			

**Date :**

**(PRASHAY GAJBHIYE)**

Indian Bureau of Mines