

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

**MCDR inspection REPORT**

**Nagpur regional office**

**Mine file No :** MP/BGT/MN-49/NGP

**Mine code :** 40MPR01046

- (i) Name of the Inspecting : **C005** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 16-JUN-21
- (v) Prev.inspection date : 25-FEB-15

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SITAPATHORE (4.25H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : SITAPATHORE  
Taluka : TIRODI  
Post office : SUKALI  
Pin Code : 481449  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 28-NOV-06
- (h) Weekly day of rest :
2. Address for :  
correspondance :
3. (a) Lease Number : MPR2544
- (b) Lease area : 4.25
- (c) Period of lease : 20
- (d) Date of Expiry : 05-JAN-26
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : PRAMOD SHUKLA  
BALAGHAT MADHYA PRADESH  
Phone:  
FAX :

Owner : SHRI PRAMOD SHUKLA  
BALAGHAT MADHYA PRADESH  
Phone:  
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	25-NOV-05
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	16-MAY-07
	:	Mining Scheme rule 12 MCDR1988	11-JAN-13

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	G2 - 4.25 ha	G2 - 4.25 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 - 4.25 ha to be explored to bring in G1	G2 - 4.25 ha	
1e	Balance reserve as on 01/04/20	14471.8 tonnes	14471.8 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit A	Not done	Violation pointed out under rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Not maintained	Violation pointed out under rule 11(1) of MCDR 2017.
2c	Stripping ratio or ore to OB ratio	1:5.6	Nil	
2d	Quantity of topsoil generation in m3	1972	Nil	Violation pointed out under rule 11(1) of MCDR 2017.

2e	Quantity of overburden generation in m3	38975	nil	Violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			target has not been achieved as per proposals. Violation pointed out under rule 11(1) of MCDR 2017.

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### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Pit A	Not done	Violation pointed out under rule 11(1) of MCDR 2017.
3b	Quantity of ROM mineral production proposed	6854 tonnes	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	80%	NA	
3d	Quantity of mineral reject generation	323 tonnes	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposals	NA	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposals	NA		
3j	Provision of drilling and blasting in mineral benches	No Proposals	NA		
3k	Provision of mining machineries in mineral benches	No Proposals	NA		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	The benches are found merged creating highwall in the entire mine except few places.		Violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits	2.5 ha	2.5 ha		
3n	Ore to OB ratio for the pit/mine during the year.	1:5.6	NA		
3o	Total area put in use under different heads at the end of year	2.67 ha	2.67 ha		
3p	Production of ROM mineral during the last five year period as applicable	2018-19 2019-20 2020-21	2359 4570 6854	2018-19 2019-20 2020-21	nil nil nil
3q	General remarks of inspecting officers on method of mining etc.				target has not been achieved as per approved proposals. Violation pointed out under rule 11(1) of MCDR 2017.

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil, OB proposed	Not done	
4b	Location of topsoil, OB and mineral reject dumps	In northern and eastern part of the lease area	NA	
4c	Number of dumps within lease area and outside of lease area	02 dump	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	NA	
4e	Number of active and alive dumps.	NA	NA	
4f	Number of dead dumps.	NA	NA	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	Nil	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	topsoil not generated	Violation pointed out under rule 11(1) of MCDR 2017.
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	not submitted	Violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	

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6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	not proposed	not done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral dispatch proposed	Not done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	not done	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	not propsed	not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			no Mineral conservation & beneficiation activities carried out.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil proposed	not done	violation pointed out under rule 26(2) of MCDR 2017
8b	Concurrent use or storage of topsoil	topsoil proposed to be used for plantation	topsoil not generated	Violation pointed out under rule 11(1) of MCDR 2017.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden proposed	Maintained as before	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	not done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	not proposed	not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Information not available	
8g	Survival rate	not proposed	Information not available	
8h	Water sprinkling on roads to control airborne dust	proposed	no mining activities including water sprinkling observed	

8i General remarks  
of inspecting  
officer on  
aesthetic beauty  
in and 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	Not submitted	NA	violation pointed out under rule 45(5)(b) & 45 (5)(c) of MCDR 2017
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	
9d	Scrutiny of Annual return on afforestation	NA	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	

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9h	Scrutiny of Annual return on fixed assets	NA	NA
9k	Scrutiny of Annual return on mining machineries	NA	NA

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**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
MCDR17	Rule 11(1)	05-JUL-21			
MCDR17	Rule 26(2)	05-JUL-21			
MCDR17	Rule 45(5) (k	05-JUL-21			
MCDR17	Rule 45(5) (c	05-JUL-21			

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines