

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

**Review and updation of Mining Plan REPORT**

**Jabalpur regional office**

**Mine file No :** MP/BGT./MN. 149 A

**Mine code :** 40MPR01078

- (i) Name of the Inspecting : **KQ06** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Dr. G G Manekar, Sh M k Singh(Mine Manager), M R Bhan  
Official with  
Designation
- (iv) Date of Inspection : 08-FEB-20
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SITAPATORE, 4.734 HA.**
- (b) **Registration NO.** : **IBM/5711/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : BALAGHAT  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : 0712-2592073  
E-mail : moilind\_ngp@sancharnet.in  
Phone : 0712-2590775
- (f) Police Station : TIRODI
- (g) First opening date : 04-JUN-16
- (h) Weekly day of rest : MON
2. Address for : MOIL BHAWAN,  
correspondance : 1 A, KATOL ROAD, CHAONI  
NAGPUR- 440013
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the  
Lessee : MANGANESE ORE INDIA LTD  
BALAGHAT BALAGHAT MADHYA  
PRADESH  
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	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	No exploration proposed in approved document.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	No exploration proposed in approved document.
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Forest land. Exploration not proposed in the approved document.
1e	Balance reserve as on 01/04/20		20160 T	Forest land. Exploration not proposed in the approved document.
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	Old Mineralised dump and Pit no 06	Nil	No mining operation done in the mine as per provided records.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Nil	Mine development not done as per proposal. Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1:15	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	4250 m3	Nil	Violation pointed out for the same.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mineralised Dump Mining and development of one pit was proposed	No mining operation started till inspection.	Violation pointed out for the same.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Mineralised Dump Mining	Nil	
3b	Quantity of ROM mineral production proposed	100 Te	Nil	
3c	Recovery of sailable/usable mineral from ROM production	15%	Nil	ROM produciton not done
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Below 25%	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	25-35%	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No
3j	Provision of drilling and blasting in mineral benches	No	No
3k	Provision of mining machineries in mineral benches	By Shovel Dumpers	By Shovel Dumpers
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	NA
3m	Total area covered under excavation/pits	0.22 HA	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:15	NA
3o	Total area put in use under different heads at the end of year	1.98 Ha	1.76 Ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18=100 Te 2018-19=100 Te	2017-18=NIL 2018-19=NIL
3q	General remarks of inspecting officers on method of mining etc.		

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Nil
4b	Location of topsoil, OB and mineral reject dumps	Near Mineralised dump	Nil
4c	Number of dumps within lease area and outside of lease area	One	One
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	with in lease area.	with in 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.	Not proposed	No
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		No waste generated. Mining operation not started.

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Solid Waste Management - Backfilling:

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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.	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.			No mining operation in the lease area

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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).	Yes	Not submitted	Violation pointed out for the same.
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	No	

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6g	Cost incurred on watch and care during the year	Nil	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 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.	Nil	Nil
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	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Quarterly	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Forest Land. No mining activities started. yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Violation pointed out.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100 m3	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil	
7c	Different grade of mineral sorted out at mines.	25-35%	NA	

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7d	Any beneficiation process at mines .	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No mining activities in RY 2018-19

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Nil	Mine development not started. Violation pointed out for the same.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Forest land. Natural plantation in the lease area	Forest land. Natural plantation in the lease area	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	NA	NA	Mining activities not started.

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Compliance of Rule 45:

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Sl.No.	Item	Proposals	Actual work	Remarks
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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)	09-APR-20			
MCDR17	Rule 26(2)	09-APR-20			
MCDR17	Rule 33	09-APR-20			
MCDR17	Rule 55(1) (3)	09-APR-20			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines