

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

**MCDR inspection REPORT**

**Nagpur regional office**

**Mine file No :** MP/BGT/MN-144/NGP

**Mine code :** 40MPR01022

- (i) Name of the Inspecting : **SQ32** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Harsh Trivedi (Partner) & Mr. Borkar (Mines mang  
Official with  
Designation
- (iv) Date of Inspection : 07-AUG-21
- (v) Prev.inspection date : 09-DEC-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAMRAMA**
- (b) **Registration NO.** : **IBM/1260/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : RAMRAMA  
Taluka : WARASEONI  
Post office : RAMRAMA  
Pin Code :  
FAX No. : 07632-240394  
E-mail : aptrivedisons@gmail.com  
Phone : 09977302682
- (f) Police Station : WARASEONI
- (g) First opening date : 04-MAY-76
- (h) Weekly day of rest : SAT
2. Address for : VILLAGE & POST RAMRAMA  
correspondance : TEHSIL-WARASEONI  
DIST BALAGHAT M.P.
3. (a) Lease Number : MPR0572
- (b) Lease area : 43.09
- (c) Period of lease : 10
- (d) Date of Expiry : 30-JUN-32
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : Shri A. P. Trivedi  
 Waraseoni, Balaghat-481332  
 BALAGHAT MADHYA PRADESH  
 Phone:  
 FAX :

Owner : M/s A.P.Trivedi Sons  
 P.B.No.1, Main  
 Road,Balaghat Distt.  
 Balaghat (MP) BALAGHAT  
 MADHYA PRADESH  
 Phone:  
 FAX :

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	14-DEC-01
Plan/Scheme of Mining		Modif.of approved Mining Plan	26-MAY-04
		Mining Scheme rule 12 MCDR1988	03-MAR-06
		Modif.approved Mining Scheme	29-MAR-07
		Renewal under rule 24 MCR1960	07-JAN-09
		Mining Scheme rule 12 MCDR1988	03-JUN-11
		Modif.approved Mining Scheme	10-JAN-14
		Mining Scheme rule 12 MCDR1988	03-JUL-15

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No	No	
1b	Exploration over lease area for geological axis 1 or 2	500 Mtr.	500 Mtr.	Total 4 Nos (500 Mtr) of holes drilled in the year 2020-21
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	NA	NA	
1e	Balance reserve as on 01/04/20	-	748020	
1f	General remarks of inspecting officers on geology, exploration etc			The topography is rolling and surface RL varies from MRL 336 to MRL 342. The general strike of the ore body is North 610 West. The ore body is subjected to severe overturned folding having a thickness of 8.00 Mt. (minimum) and 22.00Mt. (Maximum) with both North & South dipping ore bodies with an average dip of 550. The footwall is mainly pegmatite having recrystallized quartz and hanging wall rock formation is quartzite and mica schist.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	pit 2&3	pit 2&3	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:7.75	6.88	
2d	Quantity of topsoil generation in m3	21480	9000	
2e	Quantity of overburden generation in m3	96236	95315	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is slightly less. Development has been done in pit 2 and 3.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pit	Two pit	
3b	Quantity of ROM mineral production proposed	61752 TON	43349 TON	From O/C & U/G Both
3c	Recovery of sailable/usable mineral from ROM production	95%	70%	
3d	Quantity of mineral reject generation	3000T	13860 TON	
3e	Grade of mineral rejects generation and threshold value declared.	10%	10 % Mn	

3f	Quantity of sub grade mineral generation.	--	--
3g	Grade of sub grade mineral generation	--	--
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.	no-	Beneficiation study is in Progress
3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	Yes	Yes
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	11.450 HA	11.450 HA
3n	Ore to OB ratio for the pit/mine during the year.	7.75	6.68
3o	Total area put in use under different heads at the end of year	26.8491 HA.	26.8491 HA.

3p	Production of ROM mineral during the last five year period as applicable	2015-16 25496 2016-17 42923 2017-18 44447 2018-19 42663 2019-20 62128 2020-21 61752	2015-16 25057 2016-17 25224 2017-18 30891 2018-19 38800 2019-20 41172 2020-21 43349	From O/C & U/G Both
3q	General remarks of inspecting officers on method of mining etc.			New plan period started from 2020-21 (Mining Plan ,starting year) proposal for O/C fully mechanized & U/G cut & fill method with development & stoping are made.mining is done by both opencast and U/g stoping.

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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)	117716 M3	104316 M3	
4b	Location of topsoil, OB and mineral reject dumps	RND-4	RND-4	
4c	Number of dumps within lease area and outside of lease area	7	7	Within lease area 2 no. Dumps are reclaimed.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Yes	Yes	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	6	6	
4g	Number of dumps established.	Nil	Nil	

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4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	285 Mtr.	285 Mtr.	
4j	Number of settling ponds	2	2	
4k	Specific comments of inspecting officer on waste dump management			O/B Waste is disposed in separated dump area. dping is done RND-4 for proposal year 2020-21

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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.	Yes	Yes	Mineral fully extracted.
5b	Area under backfilling of mined out area	.4635ha	.4635ha	3.3125 Ha. already done
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	concurrent	concurrent	
5d	Total area fully reclaimed and rehabilitated	No	No	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Total 3.3125 Ha. Area is backfield. & 0.46 Ha. Area is under backfilling in RY 2020-21.

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 Progressive Mine Clousre Plan:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	No proposal for worked/mined out benches	NA	
6c	afforestation done (ha).	No proposal for worked/mined out benches	NA	
6d	No. of saplings planted during the year	No proposal for worked/mined out benches	NA	
6e	Cumulative no .of plants	No proposal for worked/mined out benches	NA	
6f	Any other method of rehabilitation	No proposal for worked/mined out benches	NA	
6g	Cost incurred on watch and care during the year	No proposal for worked/mined out benches	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NO	0.46 Ha. Area under back filling.	

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings		0.46 Ha. Area under back filling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	YES	Within lease -300 Nos.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No	Outside lease - 500 Nos.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No	Yes, afforestation By plantation

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Backfilling is done in North eastern part of pit No. 1 Backfilling done as per proposal year 2020-21 .solar power plant and lot of greenery is seen in mines/periphery area.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting of ROM & dispatch	Grade wise sorting of ROM & dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting /crushing /screening/jigging	Manual sorting /crushing /screening/jigging	
7c	Different grade of mineral sorted out at mines.	1. Below 25% 2. 25% TO 35% 3. Above 35% to 46%	1. Below 25% 2. 25% TO 35% 3. Above 35% to 46%	
7d	Any beneficiation process at mines .	Yes/jigging	Yes	Washing of Ore
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Sizing and Jigging & screening etc. to separate ore in shorting & grading is done. Mechanical jigging is done..

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	done	
8b	Concurrent use or storage of topsoil	concurrent	concurrent	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Waste rock	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	planned	done	Backfilling is in progress
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	planned	done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline -not given . adiittional :300	Additional 300	Planted 300 plants within lease area.
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is done as per proposal year 2020-21.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return & Annual Return submitted for the year 2020-21	done	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Manager Shri Madhukar Kumar Choudhary 8. Mining Engineer in charge Shri Madhukar Kumar Choudhary 9. Geologist in charge Shri R.M. Gupte	Information given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		(ii) Covered under current (O/C) Workings 11.450 (iii) Reclaimed/Rehabilitated 0.540 (iv) Used for waste disposal 12.871 (v) Occupied by plant, buildings, residential, welfare buildings & roads 1.052	Details are given
9d	Scrutiny of Annual return on afforestation		(i) Number of trees planted during the year 300 (ii) Survival rate in percentage 78.00	Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		10%mn,13860	Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Below 25% Mn 1840.560 (b) 25% to below 35% Mn -1661.589 (c) 35% to below 46% Mn 3511.295T	given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Av COP:4340rs/t,exmine from 3000 to 12500 as per grade.	Given

9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 105270892	Provided
9k	Scrutiny of Annual return on mining machineries	ROCKER SHOVEL LOADER 0.210 CUM 1 Non Electrical Underground GENERATOR (DIESEL) 1.200 KWH 1 Non Electrical Both HAULAGE (ELEC.) 40.000 HP 1 Electrical Both AIR COMPRESSOR 600.000 CUM/MN 2 Electrical Both AIR COMPRESSOR 400.000 CUM/MN 1 Electrical Opencast AIR COMPRESSOR 250.000 CUM/MN	

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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

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines