

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/STN/LST-62

**Mine code :** 38MPR35120

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 03-DEC-21
- (v) Prev.inspection date : 13-FEB-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAMASTHAN (18 AC)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SATNA  
Village : RAMSTHAN  
Taluka : RAGHURAJNAGAR  
Post office : RAMSTHAN  
Pin Code :  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 31-JAN-74
- (h) Weekly day of rest : SUN
2. Address for : SHRI RAGHVENDRA KUMAR AGRAWAL  
correspondance P.O. JAITWARA,  
DIST. SATNA (M.P.) 485221
3. (a) Lease Number : MPR2243  
(b) Lease area : 7.28  
(c) Period of lease : 50  
(d) Date of Expiry : 30-JAN-24
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : RAGHVENDRA KUMAR AGGRAWAL  
P.O. JAITWARA SATNA  
MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : RAGHVENDRA KUMAR AGGRAWAL  
P.O. JAITWARA SATNA  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	30-OCT-00
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	02-MAY-13
		Renewal under rule 24 MCR1960	05-MAY-14
		MP review under 17(1) MCR 2016	04-JUL-19

## 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	G1 - 5.84 ha G2 - 1.44 ha	G1 - 5.84 ha G2 - 1.44 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 - 1.44 ha	G2 - 1.44 ha	
1e	Balance reserve as on 01/04/20	111=882194 tonnes 122=253893 tonnes	111=882194 tonnes 122=253893 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to vindhyan super group of rocks of rohtas formation, limestone of the area grey in colour fine to medium grained. Also the mine was suspended during the day of inspection.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop the area towards the north and east portion of the lease.	The pit was found waterlogged and the working was lagging behind.	The mine was suspended during the day of inspection.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	The pit was found waterlogged & the benches could not be verified.	Violation pointed out under rule 11(1) of MCDR 2017.
2c	Stripping ratio or ore to OB ratio	1:0.5	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2d	Quantity of topsoil generation in m3	1250	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2e	Quantity of overburden generation in m3	52009	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			The mine was flooded till date of inspection and there was no provision found for pumping of water for dewatering of the mine pit and to expose benches and pit bottom of the mine for inspection and verification of excavation of benches and pit bottom during the proposal period. Violation pointed out under rule 11(1) of MCDR 2017. Also the mine was suspended during the day of inspection.

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### Exploitation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	01	01	The mine was suspended during the day of inspection.
3b	Quantity of ROM mineral production proposed	99981 tonnes	3000 tonnes	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	90 %	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposals	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	proposed		The mine was suspended during the day of inspection.Hence drilling & blasting in mineral benches not observed.

3k	Provision of mining machineries in mineral benches	proposed	The mine was suspended during the day of inspection. Hence of mining machineries in mineral benches not found.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		The mine was flooded till date of inspection and there was no provision found for pumping of water for dewatering of the mine pit and to expose benches and pit bottom of the mine for inspection and verification of excavation of benches and pit bottom during the proposal period.	Violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits	4.08 ha	3.44 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.5	Nil	
3o	Total area put in use under different heads at the end of year	5.06 ha	4.56 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17=94500 2017-18=91800 2018-19=85050 2019-20=99990 2020-21=99981	2016-17=0 2017-18=91534 2018-19=84000 2019-20=3000 2020-21=3000	
3q	General remarks of inspecting officers on method of mining etc.			The mine was suspended during the day of inspection. The overall excavation/product ion was lagging. Violation pointed out under rule 11(1) of MCDR 2017.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil and OB proposed	No topsoil & topsoil and OB generated during the year	Violation pointed out under rule 11(1) of MCDR 2017.
4b	Location of topsoil, OB and mineral reject dumps	in the western portion of the ML area	in the western portion of the ML area	
4c	Number of dumps within lease area and outside of lease area	03 dumps within lease area	03 dumps within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	Not proposed	NA	The mine was suspended during the day of inspection.
4f	Number of dead dumps.	Not proposed	NA	The mine was suspended during the day of inspection.
4g	Number of dumps established.	Not proposed	NA	The mine was suspended during the day of inspection.
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			The mine was suspended during the day of inspection. Hence no activity was observed.

## 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.	full extraction of mineral proposed before starting backfilling	full extraction of mineral adopted before starting backfilling	
5b	Area under backfilling of mined out area	not proposed	0.520 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed for plantation	No topsoil generated during the year.	Violation pointed out under rule 11(1) of MCDR 2017.
5d	Total area fully reclaimed and rehabilitated	Not Proposed	0.520 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			no mining activities with respect to backfilling, reclamation etc was were observed since the mine was suspended during the day of inspection & hence no specific comment in this case.

#### 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).	Nil	Nil	Violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	



6c	afforestation done (ha).	not proposed	NA
6d	No. of saplings planted during the year	not proposed	25 nos
6e	Cumulative no .of plants	not proposed	about 200nos (approx.)
6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	NA	NA
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	not proposed	nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	not proposed	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	not proposed	nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	not proposed	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	not proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	not proposed	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	not proposed	carried out	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly report in respect of reclamation and rehabilitative works carried out has not been submitted for the year 2020-21. Violation pointed out under rule 26(2) of MCDR 2017.

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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	ROM Mineral dispatch adopted	

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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 .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mine was suspended during the day of inspection No beneficiation process adopted.

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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 11(1) of MCDR 2017.
8b	Concurrent use or storage of topsoil	topsoil is proposed to be used for plantation.	No topsoil generated during the year	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	03 dumps proposed	Maintained as before	

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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)	not proposed	25nos saplings planted	
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on mines haul road, loading, unloading points proposed.	Not done	The mine was suspended during the day of inspection
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			aesthetic beauty in and around mines is moderate

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#### Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR and MR to be submitted online	AR and MR submitted online	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager - S. P .Singh Mining Engineer in charge- S. P. Singh	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Part-I, Sl.No.12, the lease area (surface area) utilisation are furnished incorrectly.	Violation pointed out under rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	given	25 nos of saplings planted	
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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	given	Ex. Mine price =291.65 Cost Per Tonne (in .) Rs.245.22	
9h	Scrutiny of Annual return on fixed assets	given	Value of Fixed Assets (in Rs.) 347031	
9k	Scrutiny of Annual return on mining machineries	given	DUMPER 10.000 TONNE 2nos	

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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)	14-FEB-22			
MCDR17	Rule 26(2)	14-FEB-22			
MCDR17	Rule 45(7) (a)	14-FEB-22			

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines