

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/KTN/LST-109

**Mine code :** 38MPR47023

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Kumar Shyamal Kishor, Shri Manoj Kumar Tripathi  
Official with  
Designation
- (iv) Date of Inspection : 11-FEB-21
- (v) Prev.inspection date : 12-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JAMWANI KHURD (4.420)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : JAMWANI KHURD  
Taluka : V.GARH  
Post office : JAMWANI KHURD  
Pin Code :  
FAX No. : N. A.  
E-mail : N. A.  
Phone : 07622-52352
- (f) Police Station :
- (g) First opening date : 20-MAY-84
- (h) Weekly day of rest : THU
2. Address for : SHRI MADAN LAL GROVER  
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0229  
(b) Lease area : 8.59  
(c) Period of lease : 10  
(d) Date of Expiry : 13-SEP-02
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : MADAN LAL GROVER  
CIVIL LINES KATNI MADHYA  
PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : MADAN LAL GROVER  
CIVIL LINES KATNI MADHYA  
PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	11-NOV-08
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23-SEP-14
		MP modif under 17(3) MCR 2016	15-JAN-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	NA	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed in 2019-20	NA	
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	2.024 Ha explored in G2	2.024 Ha explored in G2	
1e	Balance reserve as on 01/04/20	0.866 M.T.	0.866 M.T.	
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	N - 266170 to 266370 E - 470450 to 470590	N-2666200 to 2666150 E- 470565 to 470640	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB-1 bench (3.7m x 3.7m), Shale - 1 bench (1.9m x 1.9m) LS- 2 bench (5.25m x 5.25m & 6m x 6m)	OB-1 bench (3.7m x 3.7m), Shale - 1 bench (1.9m x 1.9m) LS- 2 bench (5.25m x 5.25m & 6m x 6m)	
2c	Stripping ratio or ore to OB ratio	1:0.61	1:0.58	

2d	Quantity of topsoil generation in m3	10938 m3	10000 m3
2e	Quantity of overburden generation in m3	25915 m3	25000 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	60900.000 M.T.	60100.000 M.T.	
3c	Recovery of sailable/usable mineral from ROM production	NA	NIL	
3d	Quantity of mineral reject generation	NA	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NIL	
3f	Quantity of sub grade mineral generation.	NA	NIL	
3g	Grade of sub grade mineral generation	NA	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method	Mechanized method adopted	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NIL
3j	Provision of drilling and blasting in mineral benches	Yes	drilling & blasting carried out
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	suitable as per proposal
3m	Total area covered under excavation/pits	0.500 HA.	0.500 HA.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.61	1:0.58
3o	Total area put in use under different heads at the end of year	0.620 HA.	0.620 HA.
3p	Production of ROM mineral during the last five year period as applicable	2015-16 57750.000 MT 2016-17 91950.000 MT 2017-18 78750.000 MT 2018-19 58863.000 MT 2019-20 60900.000 MT	2015-16 0.000 MT 2016-17 0.000 MT 2017-18 0.000 MT 2018-19 58800.000 MT 2019-20 60100.000 MT

3q General remarks of inspecting officers on method of mining etc.

HEMM is being used in the lease area, benches of OB and Mineral. mining method adopted is as per approved mining plan.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dump of OB Soil and Mineral proposed	separate dumps maintained for OB, Soil and Mineral.	
4b	Location of topsoil, OB and mineral reject dumps	Northern part of the lease area	Northern part of the lease area	
4c	Number of dumps within lease area and outside of lease area	2 dump maintained (1 OB, 1 top soil)	2 dump maintained (1 OB, 1 top soil)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside ultimate pit limit	Outside ultimate pit limit	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Not proposed	NIL	
4g	Number of dumps established.	02	02	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain Proposed	garland drain of dimension (100 x 2 x 1) maintained	
4i	Length of Retaining wall or garland drain all along dumps	garland drain 100 x 2 x 1	garland drain of dimension (100 x 2 x 1) maintained	
4j	Number of settling ponds	Not proposed	NIL	

## 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 proposed before backfilling	Full extraction before backfilling adopted	
5b	Area under backfilling of mined out area	0.030 ha.	0.030 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil to be used for plantation	Top soil used for plantation	
5d	Total area fully reclaimed and rehabilitated	0.030 ha.	0.030 ha.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Reclamation and backfilling of mined out area/pit will be carried after full extraction of mineral.

## 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.
6b	Area available for rehabilitation (ha) .	Not Proposed	NA	
6c	afforestation done (ha) .	NA	NA	
6d	No. of saplings planted during the year	NA	NA	

6e	Cumulative no .of plants	NA	NA
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	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	700 sqm	700 sqm (80 plants)
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	NA	NA

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	carried out as per proposal
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	Grading, Sorting & Sizing proposed within ML.	Grading, Sorting & Sizing carried out within ML.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Not proposed	NA	
7d	Any beneficiation process at mines	Not proposed	NA	

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7e General remarks  
of inspecting  
officer on  
Mineral  
conservation and  
beneficiation  
issues

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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As per proposal	
8b	Concurrent use or storage of topsoil	Proposed	As per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Proposed	80 saplings planted.	

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8g	Survival rate	Not Proposed	75%
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling carried out.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	furnished	MR submitted upto march 2021. AR submitted upto 2019-20.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	Manager & Mining Engineer - Shri Raj Narayan Dhruv Geologist- Shri Manoj Kumar Tripathi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.250 (ii) Covered under current (O/C) Workings 0.500 Used for waste disposal 0.120	
9d	Scrutiny of Annual return on afforestation	yes	(i) Number of trees planted during the year 80nos (ii) Survival rate in percentage 75%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	yes	Cement Grade Closing Stock 35908.280 MT.	

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Ex mine price Rs. 384.09
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 575250
9k	Scrutiny of Annual return on mining machineries	yes	AIR COMPRESSOR 175.000 CUM/MN 1 no Non Electrical ROCK DRILL (NONELEC.) 122 MM 2 nos Non Electrical

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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 26(2)	24-MAR-21			
MCDR17	Rule 31(4)	24-MAR-21			

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines