

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KTN/LST-82

**Mine code :** 38MPR18066

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Manoj Kumar Roy (Mines Manager)  
Official with Designation
- (iv) Date of Inspection : 13-SEP-21
- (v) Prev.inspection date : 09-FEB-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SALAIYA PAHARHAI (9.84HEC)**
- (b) **Registration NO.** :
- (c) Category : 'A'
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : KATNI  
Village : SALAIYA PAHARHAI  
Taluka : VIJRASHIVGARH  
Post office : DIWAN SIDING  
Pin Code : 483880  
FAX No. : N. A.  
E-mail : N. A.  
Phone : 07622-52352
- (f) Police Station :
- (g) First opening date : 12-FEB-83
- (h) Weekly day of rest : SAT
2. Address for : SHRI MADAN LAL GROVER  
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0206  
(b) Lease area : 9.84  
(c) Period of lease : 50  
(d) Date of Expiry : 03-MAY-32
4. Mineral worked : LIMESTONE Main

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## 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	:	Existing rule 11 MCDR1988	16-AUG-99
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	20-OCT-04
	:	Mining Scheme rule 12 MCDR1988	23-FEB-12
	:	Mining Scheme rule 12 MCDR1988	30-SEP-14
	:	MP modif under 17(3) MCR 2016	17-JUN-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	Nil	
1b	Exploration over lease area for geological axis 1 or 2	G1 -9.84 ha.	G1 -9.84 ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		111-700648 T 122-375346 T	
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the lease area belongs to Semri Group of Vindhyan Super Group. Deposit is stratified stratabound of tabular deposit of regular in habit. No exploration proposed for the year 2020-21.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2652670-2652765)N to (447345 to 447505)E in SW block	(2652690-2652755)N to (447345 to 447505)E in SW block	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in top soil, OB and mineral proposed.	Bottom benches could not be verified as the mine was flooded till date of inspection.	Violation pointed out under rule 11(1) of MCDR 2017.
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.13	

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2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	4998	6585	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The quarry was developed towards south. The orientation of the working was along ENE-WSW. The OB removal was carried out in one bench and it was in soil and shale. It was observed during inspection that the garland drain provided around the pit was not maintained properly. Hence, the mine was flooded till date of inspection. Violation pointed out under rule 11(1) of MCDR 2017.

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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	49976 tonnes	49317.865	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	

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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	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done	
3j	Provision of drilling and blasting in mineral benches	proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	PROPOSED	FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 16.000 TONNE 3 Non Electrical Opencast DUMPER 10.000 TONNE 3 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast ROCK DRILL (ELEC.) 32.000 MM 1 Non Electrical Opencast	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bottom benches could not be verified as the mine was flooded till date of inspection.	violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits	3.02 ha	3.00 ha (approx..)	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.13	
3o	Total area put in use under different heads at the end of year	7.46 ha	6.68 ha	

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3p	Production of ROM mineral during the last five year period as applicable	2016-17=10000 2017-18=10000 2018-19=10040 2019-20=50010 2020-21=49976	2016-17=9760 2017-18=9990 2018-19=9900 2019-20=40020 2020-21=49317
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3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised method of mining was adopted in the lease area . All operation of mining such as development, winning of ore, loading and transport is being carried out by utilising HEMM.
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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)	Separate dumping of topsoil & OB proposed	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	In north and southern portion of the quarry	01 topsoil and OB dump in Southern part of quarry 1. 1 OB dump in quarry 2.	
4c	Number of dumps within lease area and outside of lease area	03	03	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of active and alive dumps.	03	03	
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.	Nil	100 m garland drain all along dump in quarry 2	

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4i	Length of Retaining wall or garland drain all along dumps	Not proposed	100 m garland drain all along dump in quarry 2
4j	Number of settling ponds	01	01
4k	Specific comments of inspecting officer on waste dump management		

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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.	full extraction of mineral from mined out area proposed before starting backfilling	full extraction of the mineral under process	
5b	Area under backfilling of mined out area	0.03 ha	0.03 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	soil is being used in spreading for plantation over the backfilled area	
5d	Total area fully reclaimed and rehabilitated	0.3 ha	0.2 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Phased restoration, reclamation and rehabilitation of lands affected by mining operations is being carried out by adopting Backfilling of waste/OB.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	proposed	not submitted	violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	0.03	0.03	
6c	afforestation done (ha).	0.2	Yearly PMCP report not submitted.	violation pointed out under rule 26(2) of MCDR 2017.
6d	No. of saplings planted during the year	400 nos	Yearly PMCP report not submitted.	violation pointed out under rule 26(2) of MCDR 2017.
6e	Cumulative no .of plants	Not proposed	500 nos (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	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) Afforestation on backfilled area	NA	NA	

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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.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly PMCP report not submitted. 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 done	

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process adopted at mines.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	No topsoil generated for the year	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Separate dumps for overburden maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden for backfilling proposed	Overburden used in backfilling	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	backfilling proposed	backfilling adopted	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per approved mining plan	
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is well maintained.

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**Compliance of Rule 45:**

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	Monthly return for the month of August 2021 was not submitted. Annual Return for the year 2020-21 was not submitted.	Violation pointed out under rule 45(5) (b) and 45(5) (c) of MCDR 2017.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager KRISHNA MURARI Mining Engineer in charge KRISHNA MURARI Geologist in charge SHUBHAM MISHRA	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited & abandoned by opencast (O/C) mining 0.600 (ii) Covered under current (O/C) 2.800 (iii) Reclaimed/Rehabilitated 0.200 (iv) Used for waste disposal 2.380 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.100 (vi) Other Purpose (Green belt) 0.600
9d	Scrutiny of Annual return on afforestation	given	(i) Number of trees planted during the year 40 (ii) Survival rate in percentage 80.00
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	given	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 49317.865 0.000
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in . Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 120.017 49317.865 49136.772 301.110 309.27

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9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	given	FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 16.000 TONNE 3 Non Electrical Opencast DUMPER 10.000 TONNE 3 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast ROCK DRILL (ELEC.) 32.000 MM 1 Non Electrical Opencast

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed				Show couse position		
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	20-SEP-21	20-DEC-21			
MCDR17	Rule 26(2)	20-SEP-21	20-DEC-21			
MCDR17	Rule 35(2)	20-SEP-21	20-DEC-21			
	Rule 45(5) (b)	20-SEP-21	20-DEC-21			
MCDR17	Rule 45(5) (	20-SEP-21	20-DEC-21			

**Date :****(ROBERT SIMON C)**

Indian Bureau of Mines