

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/KATNI/LST-236

**Mine code :** 38MPR47069

- (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 : 01-NOV-21
- (v) Prev.inspection date : 09-FEB-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SALAIYA PAHARI (4.690 H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : SALAIYA PAHARI  
Taluka : V. GARH  
Post office : DIWAN SIDING  
Pin Code :  
FAX No. : 07674-232580  
E-mail : snsmhr@sancharnet.in  
Phone : 07674- 232042, 232089
- (f) Police Station : VIJARAHHOGARH
- (g) First opening date : 16-DEC-94
- (h) Weekly day of rest : SUN
2. Address for : SHRI MADAN LAL GROVER  
correspondance : CIVIL LINES  
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0691
- (b) Lease area : 4.69
- (c) Period of lease : 20
- (d) Date of Expiry : 12-MAY-14
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	:	Mining Scheme rule 12 MCDR1988	05-NOV-08
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-JUN-13
		Renewal under rule 24 MCR1960	28-AUG-13
		MP modif under 17(3) MCR 2016	25-JUN-19

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	The 04 nos of BH proposed during the year 2019-20 for which VL issued on 21/05/2020 was drilled during the year 2021-22.	
1b	Exploration over lease area for geological axis 1 or 2	G2-4.69 ha.	G2-4.69 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	G2-4.69 ha to be explored in G1	G2-4.69 ha yet to be explored in G1	
1e	Balance reserve as on 01/04/20	AS ON 01.04.2019 122-384846 222-193150 333-810176	AS ON 01.04.2020 122-335576 222-193150 333-810176	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	In the year 2020-21, it is proposed to develop the face of quarry -2 towards east and west	Development was carried out in east & west portion of the lease.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in top soil, OB and mineral proposed.	soil bench is of 1-1.5 meter & mineral benches were of 6-7 meter in height (approx..)	
2c	Stripping ratio or ore to OB ratio	1: 0.51	1: 0.53	
2d	Quantity of topsoil generation in m3	11400	11904	
2e	Quantity of overburden generation in m3	14495	14600	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development were being done in the face of quarry -2 towards east and west . The orientation of the working was along N-S. The OB removal will be carried out in one bench in soil/shale. The width of the OB bench was be equal to height towards UPL and up to 10m towards working face.

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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	49950 tonnes	49856 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	

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3d	Quantity of mineral reject generation	Not proposed	Nil
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA
3f	Quantity of sub grade mineral generation.	Not proposed	NA
3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA
3j	Provision of drilling and blasting in mineral benches	proposed	drilling & blasting carried out in contract basis
3k	Provision of mining machineries in mineral benches	Yes	FRONT END LOADER 1.200 CUM 1 Non Electrical DUMPER 16.000 TONNE 4 Non Electrical DUMPER 10.000 TONNE 1 Non Electrical WATER TANKER 5000.000 LITRE 1 Non Electrical AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	07 nos of benches of average ht 6-8 m(approx.)

3m	Total area covered under excavation/pits	2.67 ha	2.65 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.51	1: 0.53	
3o	Total area put in use under different heads at the end of year	4.516 ha	4.485 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 10490 tonnes 2017-18 - 11130 tonnes 2018-19 - 10000 tonnes 2019-20=49968 tonnes 2020-21=49950 tonnes	2016-17 - 9978 tonnes 2017-18 - 9980 tonnes 2018-19 - 9980 tonnes 2019-20=49270 tonnes 2020-21=49856 tonnes	
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	

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4b	Location of topsoil, OB and mineral reject dumps	In the northern part of the ml area , in the eastern part of the ml area and in the north central part of the area & southern part of lease	03 topsoil and 02 OB dump in maintained in the quarry	
4c	Number of dumps within lease area and outside of lease area	05 dumps within lease	05 dumps within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	partly inside the UPL	partly inside the UPL	
4e	Number of active and alive dumps.	05	05	
4f	Number of dead dumps.	Not proposed	Nil	
4g	Number of dumps established.	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	garland drain all along dump proposed	garland drain all along dump not maintained properly	violation pointed out under rule 37(2) of MCDR 2017.
4i	Length of Retaining wall or garland drain all along dumps	proposed	garland drain all along dump not maintained properly	violation pointed out under rule 37(2) of MCDR 2017.
4j	Number of settling ponds	not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			garland drain all along dump not maintained properly. Violation pointed out under rule 37(2) of MCDR 2017.

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Solid Waste Management - Backfilling:

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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 proposed	full extraction of mineral from mined out area proposed before starting backfilling adopted	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Plantation	Plantation plantation over the 7.5 meter barrier zone	
5d	Total area fully reclaimed and rehabilitated	Not proposed	0.04 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling of the pits / quarries depend on the full extraction of the mineral limestone of the ML area. 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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed	Submitted	

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6b	Area available for rehabilitation (ha) .	Not proposed	0.04 ha
6c	afforestation done (ha).	Not proposed	0.04 ha
6d	No. of saplings planted during the year	Not proposed	110 nos
6e	Cumulative no .of plants	Not proposed	150 nos (approx.)
6f	Any other method of rehabilitation	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
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	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)	proposed	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	Grade wise sorting proposed	Grade wise sorting adopted	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual and mechanical sorting proposed	manual and mechanical sorting adopted	
7c	Different grade of mineral sorted out at mines.	Not proposed	NA	
7d	Any beneficiation process at mines	NA	NA	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No beneficiation process at mines carried out.
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**Environment:**


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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil for plantation proposed	Separate removal and utilization of topsoil for plantation adopted	
8b	Concurrent use or storage of topsoil	plantation	plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	02 OB dumps maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Overburden to be used in backfilling	Overburden used in backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Overburden to be used in backfilling	Overburden used in backfilling	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per approved mining plan	
8g	Survival rate	90%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	No water sprinkling arrangement on roads to control airborne dust available	violation pointed out under rule 40 of MCDR 2017.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			aesthetic beauty in and around mine area needs improvement.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	AR & MR ONLINE SUBMITTED	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager & 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	already exploited & abandoned by opencast (O/C) mining 0.100 Covered under current (O/C) Workings 2.530 Reclaimed/Rehabilitated 0.040 Used for waste disposal 1.670 Occupied by plant, buildings, residential, welfare buildings & roads 0.050 Other Purpose (GREAN BELT) 0.126
9d	Scrutiny of Annual return on afforestation	given	Number of trees planted during the year 110 nos
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		Production and Stocks of ROM ore at Mine-head ( Limestone ) Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 49978.000 0.000 (b) Underground Workings 0.000 0.000 0.000 (c) Dump Workings 0.000 0.000 0.000

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore( LIMESTONE ) Grades Opening stock at mine head (in tonne) Production (in tonne) Despatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in Rs Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 552.761 32110.000 32662.761 0.000 314.00 (c) Chemical 0.000 0.000 0.000 0.000 0.00 (d) BF 0.000 0.000 0.000 0.000 0.00 (e) Cement 0.000 17868.000 17865.639 2.361 315.00	The details of taxes furnished in cost per tonne calculation in Part-VII are not matching with the amount submitted in the Part-III, Sl.No.5.In the cost per tonne calculation, the details of overhead cost is not matching with the amount submitted in the The details of DMF and NMET have not been furnished in the cost of production table of Part-VII.	Violation pointed out under rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets		Value of Fixed Assets (in Rs) 1279926	

9k	Scrutiny of Annual return on mining machineries	FRONT END LOADER 1.200 CUM 1 Non Electrical DUMPER 16.000 TONNE 4 Non Electrical DUMPER 10.000 TONNE 1 Non Electrical WATER TANKER 5000.000 LITRE 1 Non Electrical AIR COMPRESSOR 210.000 CUM/MN 1 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 11 (1)	16-NOV-21	13-JAN-22				
MCDR17	Rule 37 (2)	16-NOV-21	13-JAN-22				
MCDR17	Rule 40	16-NOV-21	13-JAN-22				
MCDR17	Rule 45 (7) (a)	16-NOV-21	13-JAN-22				

**Date :**

**(ROBERT SIMON C)**

Indian Bureau of Mines