

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KATNI/LST-285

Mine code : 38MPR47128

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 09-FEB-20
- (v) Prev.inspection date : 12-OCT-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SALAIYA PAHARI (4.12 HA)**
- (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. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI MADAN LAL GROVER
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2520
(b) Lease area : 4.12
(c) Period of lease : 30
(d) Date of Expiry : 21-JUN-39
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 26-SEP-14
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 18-JUN-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	in the reporting year 2018-19 no exploration was proposed	no exploration work carried out in the year 2018-19	
1b	Exploration over lease area for geological axis 1 or 2	the ML area is explored upto G1 level	ML area is explored upto G1 Level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	ML area is already explored upto G1 level	ML area is already explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 01.04.2014 111-1116352 211-717200	as on 01.04.2019 111-411738 122-681150 211-346750 222-370450	units are in tonnes
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to rhtas formation of vindhyan super group, light grey to dark grey coloured limestone. hard and compact in nature, shale patches found as inter bedded.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	northern part of the ML area	working was in the extreme northern part of the ML area	

2b	Separate benches proposed in topsoil, overburden and minerals (Rule 15)		separate benches in top soil fo 2-3 meter (depending upon the deposition) mineral benches 6-8 meter	
2c	Stripping ratio or ore to OB ratio	1:0.35	1:0.45	
2d	Quantity of topsoil generation in m3	2520 cu m	2200 cu m	
2e	Quantity of overburden generation in m3	9048 cu m	5000 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			workign was in the northern part of the ML area

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two pits	two pits were active for working	
3b	Quantity of ROM mineral production proposed	49976 tonnes	49920 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	80%	80-85%	
3d	Quantity of mineral reject generation	not proposed	nil	
3e	Grade of mineral rejects generation and threshold value declared.	not proposed	nil	

3f	Quantity of sub grade mineral generation.	not proposed	nil
3g	Grade of sub grade mineral generation	not proposed	nil
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised method	mechanised method adopted for the segregation screeners installed in private land for the process
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	as and when required small dia
3k	Provision of mining machineries in mineral benches	proposed	HEMM is being used in mineral benches for excavation and transportation
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	bench height and width suitable as per approved mining plan
3m	Total area covered under excavation/pits	2.27	2.03
3n	Ore to OB ratio for the pit/mine during the year.	1:0.35	1:0.45
3o	Total area put in use under different heads at the end of year	3.27	2.65

3p	Production of ROM mineral during the last five year period as applicable	2014-15=51844 2015-16=49976 2016-17=49976 2017-18=49976 2018-19=49976 2019-20=49976	2014-15=49333 2015-16=51360 2016-17=51725 2017-18=51830 2018-19=49920 2019-20=49900	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			HEMM is being used in mineral benches

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Seprate dumping of waste and soil in the ML	
4b	Location of topsoil, OB and mineral reject dumps	waste dump in the eastern part of the ML area	waste dump located in the eastern part of the ML area	
4c	Number of dumps within lease area and outside of lease area	not proposed	nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL	
4e	Number of active and alive dumps.	one active waste dump	one active waste located in the eastern part of the ML area	
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.	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

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 the mineral proposed	full extraction of mineral under process	
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)	proposed	generated soil used in plantation over the barrier zone and in the near by adjacent mines of same lessee	
5d	Total area fully reclaimed and rehabilitated	not proposed	nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			full extraction of mineral not done yet, no area is fully mature enough for the backfilling

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	not submitted	

6b	Area available for rehabilitation (ha) .	not proposed	nil
6c	afforestation done (ha).	0.56	0.75
6d	No. of saplings planted during the year	100 nos	120-150 nos over the barrier zone 2018-19
6e	Cumulative no .of plants	450-500 nos	350 nos approx
6f	Any other method of rehabilitation	not proposed	nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	not proposed	ROM is being dispatched to klin and screenrs of private land for grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method	mechanical; screeners are being used for segragation	
7c	Different grade of mineral sorted out at mines.	proposed	in the private land adjacent to the ML	
7d	Any beneficiation process at mines .	not proposed	only screening is being done	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	generated soil is being used in plantation over the barrier zone and adjacent ML of same lessee	

8b	Concurrent use or storage of topsoil	proposed	in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	separate dumps located in the ML in the eastern side of the ML area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	no area is fully mature enough for the activity	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per approved mining plan	
8g	Survival rate	80%	60%	
8h	Water sprinkling on roads to control airborne dust	proposed	with the use of water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			needs improvements

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	AR submmitted upto 2020-21 MR submitted upto Oct 2021	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	furnished	Mining Engineer in charge KRISHNA MURARI
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	<p>Lease area (surface area) utilisation as at the end of year (hectares)</p> <p>Under forest Outside forest Total</p> <p>(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.230 0.230</p> <p>(ii) Covered under current (O/C) Workings 0.000 1.214 1.214</p> <p>(iii) Reclaimed/Rehabilitated 0.000 0.090 0.090</p> <p>(iv) Used for waste disposal 0.000 1.240 1.240</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.000</p> <p>(vi) Other Purpose (Green belt) 0.000 0.302 0.302</p> <p>(vii) Work done under</p>
9d	Scrutiny of Annual return on afforestation	furnished	furnished

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	furnished	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 39.257 49900.000 49921.020 18.237 335.00 (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 0.000 0.000 0.000 0.00
9f	Scrutiny of Annual return on ROM stock and/or graded ore	furnished	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 49900.000 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	furnished	ex mine price 335.00 INR cost of production 271.69 INR
9h	Scrutiny of Annual return on fixed assets	not furnished	not furnished

9k	Scrutiny of Annual return on mining machineries	furnished	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 16.000 TONNE 4 Non Electrical Opencast DUMPER 10.000 TONNE 4 Non Electrical Opencast WATER TANKER 5000.000 LITRE 1 Non Electrical Opencast AIR COMPRESSOR 210.000 CUM/MN 1 Non Electrical Opencast ROCK DRILL (NONELEC.) 48.000 MM 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 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

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines