

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-82

Mine code : 38MPR18066

- (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 : 07-MAY-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SALAIYA PAHARHAI (9.84HEC)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (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 : 20
(d) Date of Expiry : 03-MAY-22
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	:	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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year		SAID EXPLORATION WAS NOT CARRIED OUT TILL THE DATE OF INSPECTION	VOILATION LETTER ISSUED FOR THE SAME

IN TEH YEAR
2019-20 FOUR
CORE BORE
HOLES WERE
PROPOSED TO
DRILL ON THE
GRID INTERVAL
OF 100-200
METER

1b	Exploration over lease area for geological axis 1 or 2	POTENSTIAL MINERALISED AREA IS EXPLORED UPTO G1 LEVEL	POTENSTIAL MINERALISED AREA IS EXPLORED UPTO G1 LEVEL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NOT MENTIONED	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	ML IS ALREADY EXPLORED UPTO G1 LEVEL	ML ALREADY EXPLORED UPTO G1 LEVEL	
1e	Balance reserve as on 01/04/20	AS ON 30.09.2014 111-1524615 221-957150	AS ON 01.03.2019 111-798086 122-675346 211-527410 222-2578566	
1f	General remarks of inspecting officers on geology, exploration etc			ML area already explored upto G1 level the said exploration proposal of year 2019-20 is to confirm the mineralisation in depth continuation

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	proposal was given in the southern part and in the noth eastern part of lease area	workign was not as per the proposal	voilation issued for the deviation
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate benchces not maintained	voilation issued for the deviation
2c	Stripping ratio or ore to OB ratio	1:1.22	1:1.26	

2d	Quantity of topsoil generation in m3	10906 cu m	8500 cu m	
2e	Quantity of overburden generation in m3	13496 cu m	9510 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			workign was not as per proposal, there is deviation in the location of working which effect the generation of OB and soil. for the deviation voilation issued under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	two pits	workign was in one pit of sourthern part of ml area	
3b	Quantity of ROM mineral production proposed	49900 tonnes	48120 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90 %	90% after excluding waste	
3d	Quantity of mineral reject generation	not proposed	nil	
3e	Grade of mineral rejects generation and threshold value declared.	not specified	nil	
3f	Quantity of sub grade mineral generation.	not specified	nil	
3g	Grade of sub grade mineral generation	not proposed	nil	

3h	Manual / Mechanised method adopted for segregating from ROM	mechanical method proposed	mechanical method i.e. screening proposed for segragation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	nil	
3m	Total area covered under excavation/pits	3.30 hect	2.50 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.22	1:1.26	
3o	Total area put in use under different heads at the end of year	7.30 hect	5.60 hect	
3p	Production of ROM mineral during the last five year period as applicable	2014-15=10015 2015-16=10080 2016-17=10000 2017-18=10000 2018-19=10040 2019-20=49900	2014-15=9920 2015-16=9910 2016-17=9760 2017-18=9990 2018-19=9900 2019-20=48120	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			mechanised method adopted for mining and segragation of waste from ROM

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	separate duming was in the lease area for soil and waste	

4b	Location of topsoil, OB and mineral reject dumps	Mineral stack in the Northern part and waste and soil in the southern part of the ML area	Mineral stack in the Northern part of the ML area near the klin, and waste and soil is being dumped in the southern part of the ML area separately	
4c	Number of dumps within lease area and outside of lease area	5 dumps	1-mineral stack, 1- soil dump and 3- waste dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within the UPL	within the UPL	
4e	Number of active and alive dumps.	5 nos	5 nos 1-mineral stack, 1- soil dump and 3- waste dump	
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	
4k	Specific comments of inspecting officer on waste dump management			there is soil and waste dump placed separately in the southern part of the lease area, mineral stack in the northern side

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	full extrcation of the mineral is proposed	full extraction of the mineral under process	
5b	Area under backfilling of mined out area	0.265	0.214	
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	not proposed	no area is fully reclaimed yet	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			backfilling is being done fo excavated area

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	voilation issued for non submission
6b	Area available for rehabilitation (ha) .	0.256	0.214	
6c	afforestation done (ha) .	0.256	0.214	
6d	No. of saplings planted during the year	50 nos	30 nos	
6e	Cumulative no .of plants	650 nos	360 nos	

6f	Any other method not proposed of rehabilitation	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP report not submitted violation issued

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sotring proposed befoe dispatch	grade wise sorting is being done before dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	screening is being done	
7c	Different grade of mineral sorted out at mines.	yes	in the private land adjacent to lease area	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			no additional process proposed neither used, only screening being done

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	propsoed	soil is being used in plantation	
8b	Concurrent use or storage of topsoil	proposed	in planttaion	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	in the southern part of the ML area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	as per proposal waste is being used for backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per proposal	
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	waster tanker is being used for the activity	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			need improvements

Compliance of Rule 45:

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

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted	Mining Engineer Shri Krishna Murari
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Submitted	<p>Already exploited & abandoned by opencast (O/C) mining 0.000 0.500 0.500</p> <p>(ii) Covered under current (O/C) Workings 0.000 2.800 2.800</p> <p>(iii) Reclaimed/Rehabilitated 0.000 0.200 0.200</p> <p>(iv) Used for waste disposal 0.000 2.340 2.340</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100</p> <p>(vi) Other Purpose (Green belt) 0.000 0.550 0.550</p> <p>(vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000</p>
9d	Scrutiny of Annual return on afforestation	furnished	30 nos of plant planted during the year with the survival rate of 60%

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 162.470 48120.000 48162.453 120.017 306.00 (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 48120.000 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 306.00 INR cost of production 251.86 INR
9h	Scrutiny of Annual return on fixed assets	not furnished	nil-0

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 10.000 TONNE 4 Non Electrical Opencast DUMPER 16.000 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 (ELEC.) 80.000 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

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines