

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-83

Mine code : 38MPR18041

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : M L Grover & KRISHNA MURARI
Official with
Designation
- (iv) Date of Inspection : 05-FEB-20
- (v) Prev.inspection date : 06-FEB-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KACHHAGAWAN (8.30HECT)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : KACHHGAWAN
Taluka : VIJRAGHAVGARH
Post office : DIWAN SIDING
Pin Code : 483880
FAX No. : 07674-232580
E-mail : snsmhr@sancharnet.in
Phone : 07674- 232042, 232089
- (f) Police Station :
- (g) First opening date : 01-JAN-83
- (h) Weekly day of rest : WED
2. Address for : SHRI MADAN LAL GROVER
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0205
(b) Lease area : 8.3
(c) Period of lease : 40
(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	:	Renewal under rule 22 MCR1960	11-JUL-96
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	20-OCT-04
		Mining Scheme rule 12 MCDR1988	31-AUG-09
		Mining Scheme rule 12 MCDR1988	31-MAY-12
		MP review under 17(1) MCR 2016	31-MAR-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	no exploration proposed in the year 2019-20	no exploration work carried out in the year 2019-20	
1b	Exploration over lease area for geological axis 1 or 2	the lease area explore upto g2 level	as on date lease area explore upto g2 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	8.30 hect needs to explored upto g1 level	8.30 hect needs to explored upto g1 level	
1e	Balance reserve as on 01/04/20	as on 01.04.2017 122-1879356 222-1113900	as on 01.04.2019 122-1766368 222-1113900	units in tonnes
1f	General remarks of inspecting officers on geology, exploration etc			ml area belongs to vindhyan super group of rock of rohtas formation in kymore hill region, hard and compact nature of limestone medium to fine grain grey coloured limestone

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was proposed to work in the central part of lease area	workign was in the said location with slight deviation	

2b	Separate benches proposed in topsoil, overburden and minerals (Rule 15)		separate benches not maintained	voilation issued for the deviation
2c	Stripping ratio or ore to OB ratio	1:0.56	1:0.65	
2d	Quantity of topsoil generation in m3	5220	3500	
2e	Quantity of overburden generation in m3	6000 cu m	6500 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			development was in the said location however benches were not maintained voilation was issued for the deviation

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one single pit in the central part of the lease area	one single pit	
3b	Quantity of ROM mineral production proposed	50040 tonnes	49930 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90 %	90%	
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 propsoed	nil	
3g	Grade of sub grade mineral generation	not proposed	nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Screening is being used for segragation	
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 on contract basis	
3k	Provision of mining machineries in mineral benches	Proposed	HEMM is being used in mineral benches	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	as per approved mining plan	
3m	Total area covered under excavation/pits	2.48	2.10	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.56	1:0.50	
3o	Total area put in use under different heads at the end of year	5.13	4.85	
3p	Production of ROM mineral during the last five year period as applicable	2015-16=10125 2016-17=10200 2017-18=50005 2018-19=50400 2019-20=50040	2015-16=9951 2016-17=9798 2017-18=8400 2018-19=44860 2019-20=49930	units in tonnes

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

HEMM is being used
in excavation and
transportation

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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	extreme northern and extreme southern part of the lease area is proposed	waste dump in the northern part and soil sump in the southern part of the lease area	
4c	Number of dumps within lease area and outside of lease area	two	two 1- soil dump & 1- 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.	two active dumps	two 1- soil dump & 1- 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	proposed	waste are being dumped separately
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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 the mineral is proposed	full extraction of mineral is under progress	
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	soil is being used in planttaion over barrier zone	
5d	Total area fully reclaimed and rehabilitated	not proposed	no area matuare enough for the activity	

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 was issued
6b	Area available for rehabilitation (ha) .	not proposed	nil	
6c	afforestation done (ha).	0.152	0.10	

6d	No. of saplings planted during the year	50 nos	30 nos	
6e	Cumulative no .of plants	1000	500 nos	
6f	Any other method of rehabilitation	not proposed	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report not submitted voilation for the non submission issued

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM grade wise sorting proposed	grade wise sorting was being done with the use of screeners	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical method proposed	scrainer used for the activity	
7c	Different grade of mineral sorted out at mines.	yes	in the private land adjacent to lease area	
7d	Any beneficiation process at mines .	not proposed	nil	
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)	proposed	soil is being used in plantation	
8b	Concurrent use or storage of topsoil	proposed	in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	in the extreme northern and southern portion of the lease area	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	no area is mature enough for backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	propsoed	as per approved mining plan	
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	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Submitted	AR submitted for 2020-21 MR submitted upto Spet 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	Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.738 2.738 (iii) Reclaimed/Rehabilitated 0.000 0.388 0.388 (iv) Used for waste disposal 0.000 1.000 1.000 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.550 0.550 (vi) Other Purpose (Green belt) 0.000 0.508 0.508 (vii) Work done under progressive mine closure plan during the year 0.000 0.100 0.100
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 2972.928 49930.000 52897.463 5.465 318.00 (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 49930.000 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 318 INR cost of production 264.10 INR
9h	Scrutiny of Annual return on fixed assets	not furnished	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 16.000 TONNE 2 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast WATER TANKER 5000.000 LITRE 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