

**MCDR REPORT****General**

<b>S.N.</b>	<b>Particulars</b>	<b>Details</b>
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Jamuani Khurd Limestone Mine 02.08.2024 Robert Simon C
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (Ha) - 5.958 Forest land (Ha) – Nil Non-forest land (Ha) – 5.958
3	Mine code	38MPR18096
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/19502/2015
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lessee: Smt. Geeta Singh Baghel Address: H.No. 57, Ward 9 Main Road, Vijayraghavgarh, Distt- Katni (M.P.)
6	Village	Jamuani Khurd
7	Taluka/Mandal	Vijayraghavgarh
8	District	Katni
9	Pin code	483775
10	State	MADHYA PRADESH
11	Post Office	Kymore
12	Nearest Police Station	Kymore
13	Nearest Railway Station	Nanwara
14	Date of Grant of Mining Lease	08.09.1983
15	Date of Execution	08.09.1983
16	Date of opening of Mine	08.09.1983
17	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease period extended up to 07.09.2033 as per Amended MMDRA Act, 2015
18	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Smt. Geeta Singh Baghel Address: H.No. 57, Ward No. 9, Vijayraghavgarh, Katni - 483775 Phone: 09425153735 Email: pd_awasthi@rediffmail.com
19	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Satyam Shukla (BE Mining) Address: Vijayraghavgarh, Katni (M.P.) Phone: 09131624129 Date of Appointment: 25.06.2023
20	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Satyam Shukla (BE Mining) Address: Vijayraghavgarh, Katni (M.P.) Phone: 09131624129 Date of Appointment: 25.06.2023

21	Name of the Geologist, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Ajay Pandey M.Sc. (Geology), Address: Shastri Colony, Katni (M.P.) Phone:09589406417 Date of Appointment: 01.11.2023
22	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Review of Mining Plan LETTER NO. MP/Katni/LIMESTONE/RMP-61/2018-19 8081 Date of approval: 03.04.2019 Period: Up to 31.03.2024
23	Mineral(s) granted in lease and approved for Mining	Limestone
24	Method of Mining (Opencast, Underground)	Opencast
25	Category (Fully Mechanized, Others or Manual)	A OTFM
26	Captive/Non-Captive	Non Captive

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	G-2 5.958 ha	
1e	Balance reserves as on 01.04.2024	Not specified	1203107 T	
1f	General remarks of Inspecting officer on geology, exploration etc.			

### Development

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North West part of the lease	North West part of the lease	

2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate benches in topsoil overburden and mineral proposed	Separate benches in topsoil overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio (2023-24)	1:0.15	1:0.17	
2d	Quantity of topsoil generation in m <sup>3</sup> (2023-24)	7191	7100	
2e	Quantity of overburden generation in m <sup>3</sup> (2023-24)	19677	19400	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

### Exploitation

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	01	01	
3b	Quantity of ROM mineral production proposed in tones (2023-24)	124860	107820	
3c	Recovery of Salable/usable mineral from ROM production	80 %	80 %	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	Not proposed	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Drilling & blasting in mineral benches proposed	Drilling & blasting in mineral benches maintained.	
3k	Provision of mining machineries in mineral benches	Proposed	SHOVEL (HYDRAULIC) 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000	

			TONNE 4 Non Electrical Opencast	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Maintained	
3m	Total area covered under excavation /pits	2.64 Hect	2.50 Hect	
3n	Ore to OB ratio for the pit/mine during the year	1:0.15	1:0.17	
3o	Total area put in use under different heads at the end of year	4.705 Hect	4.06 Hect	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	147888	128600
		2020-21	127080	85116
		2021-22	129132	115710
		2022-23	134220	133500
		2023-24	124860	107820
3q	General remarks of inspecting officer on method of mining etc			

#### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB proposed	Dumping of overburden material found beyond mining lease near BP-04 to BP-05 and near BP-06 to BP-07.	Violation pointed out under Rule 11(1).
4b	Location of topsoil, OB & mineral reject dumps	Top Soil – North & OB - East	As per proposal	
4c	Number of Dumps within lease area and outside lease area	One temporary dump proposed within lease area	Dumping of overburden material found beyond mining lease near BP-04 to BP-05 and near BP-06 to BP-07.	Violation pointed out under Rule 11(1).
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Dumping of overburden material found beyond mining lease near BP-04 to BP-05 and near BP-06 to BP-07.	Violation pointed out under Rule 11(1).
4e	Number of Active & Alive dumps	One active dump	One active 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	Garland drain will be prepared all around the dumps and these drains will be diverted to nearest nallah.	Garland drain prepared.	
4i	Length of Retaining wall or garland drain all along dump	Proposed	100 M X 1M X 1 M	
4j	Number of settling ponds	one	one	
4k	Specific commends of inspecting officer on waste dump management	Dumping of overburden material found beyond mining lease near BP-04 to BP-05 and near BP-06 to BP-07.Hence, violation pointed out under Rule 11(1).		

#### **Solid Waste Management-Backfilling**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction of mineral from mined out area before starting backfilling proposed	Full extraction of mineral from mined out area before starting backfilling adopted	
5b	Area under backfilling of mined out area	0.1 ha	0.1 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	0.1 ha	0.1 ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling, reclamation etc being done in line with approved PMCP.		

**Progressive Mine Closer Plan**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	Annual PMCP report it will be submitted before 1 <sup>st</sup> day of July every year	Annual report of PMCP submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	0.01	0.01	
	iii) No. of saplings planted during the year	10	250	
	iv) Cumulative no. of plants	100	750	
	v) Any other specific method of rehabilitation	Not proposed	NIL	
	vi) Cost incurred on watch & care during the year	Not proposed	NIL	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	0.1 ha	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	

6e	Compliance of Environment monitoring (core zone & buffer zone)	Air, Water, Noise levels will be monitored periodically	Compliance of Environment monitoring done	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations			

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical	mechanical	
7c	Different grade of mineral sort out at mine	Not proposed	BF grade	
7d	Any beneficiation process at mines	Not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Separate removal and utilization of topsoil proposed	As per proposal	
8b	Concurrent use or storage of topsoil	Stacking proposed	Stacking done	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	One separate dump of OB/Waste	One separate dump of OB/Waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	One separate dump of OB/Waste	One separate dump of OB/Waste	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	0.1 ha backfilled	

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not proposed	230 saplings planted 2023-24.	
8g	Survival rate	Not proposed	80%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling will be maintained to control airborne dust.	Regular water sprinkling at roads done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area needs improvement.		

### Compliance of Rule 45

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	MR and AR of 2023-24 to be submitted.	MR and AR of 2023-24 has been submitted online.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Name of the Mine Manager & Mining Engineer: Shri Satyam Shukla Name of the Geologist – Ajay Pandey
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 2.500 2.500 (iii) Reclaimed-rehabilitated 0.000 0.100 0.100 (iv) Used for waste disposal 0.000 0.810 0.810 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.200 0.200 (vi) Used for any other purpose (specify) Green Belt 0.000 0.450 0.450
9d	Scrutiny of Annual return on afforestation	Given	Afforestation - As per AR 230 saplings planted
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil



9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Closing stock: 8522.39 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Given	sale value,- captive used Ex. Mine price –Rs. 407.30./tone production costs- Rs. 407.30/tone
9i	Scrutiny of Annual return on Fixed assets	Given	Fixed assets as per AR: Value of Fixed Assets (in ₹) 389285
9k	Scrutiny of Annual return on mining Machineries	Given	SHOVEL (HYDRAULIC) 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000 TONNE 4 Non Electrical Opencast

Details of Validations observed during current inspection and compliance position of earlier violation pointed out:-

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
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11 (1)	13-NOV-24	21-JAN-25			
Rule 31 (4)	13-NOV-24	21-JAN-25			
Rule 33	13-NOV-24	21-JAN-25			

Date:21.01.25

Robert Simon C

Assistant Cont.of Mines