

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional office**

Mine code: 38MPR18096

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Ajay Pandey, Geologist
(iv)	Date of Inspection	:	19.12.2023
(v)	Previous Inspection date	:	31.01.2023

PART-I: GENERAL INFORMATION

1	(a)	Mine Name	:	Jamuani Khurd Limestone Mine
	(b)	Registration Number	:	IBM/19502/2015
	(c)	Category	:	A-Category
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Katni
		Village	:	Jamuani Khurd
		Tehsil	:	Vijayraghogarh
		Post Office	:	Vijayraghogarh
		Pin code	:	483775
		Fax	:	NA
		email	:	pd_awasthi@rediffmail.com
		Phone No	:	9425155531
	(f)	Police Station	:	Kymore
	(g)	First Opening date	:	09-SEP-83
	(h)	Weekly day of rest	:	SUN
2		Address for Correspondence	:	
3	(a)	Lease Area	:	5.958 Hectare
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	07-Sep-2033
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	Smt Geeta Singh Baghel H.No. 57, Ward no. 9, Main road, Village & Tehsil. Vijayraghavgarh,, Distt. Katni, Madhya Pradesh, 483775 Email: pd_awasthi@rediffmail.com
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Smt Geeta Singh Baghel H.No. 57, Ward no. 9, Main road, Village & Tehsil. Vijayraghavgarh, Dist. Katni, Madhya Pradesh, 483775
		Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Satyam Shukla Village & Tehsil. Vijayraghavgarh, Distt.Katni, Madhya Pradesh, 483775, Phone-9131624129 Email- satyamshukla668@gmail.com

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	Mining Engineer Name Qualification Date of Appointment	:	Shri Satyam Shukla B.E (Mining) 25.06.2023
	Geologist Name Qualification, Date of Appointment	:	Shri Ajay Pandey MSc. Geology 01.11.2023
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	MP/Katni/Limestone/RMP-61/2018-19 Jabalpur dated 03/04/2019

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS**Exploration: (2022-23)**

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Not Proposed	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2	Not Proposed	Nil	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not Proposed	Lease area has been explored under G1 level of exploration.	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2022, reserve was 1,444,427 tones.	Depletion during the year 2022-23 was 133,500 tones. Balance reserves as on 31.03.2023 is 1,310,927 tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	There is no back log in exploration.		

Development (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	North-West part of lease.	North-West part of lease.	Nil
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.	Nil
2c	Stripping ratio or ore to OB ratio	1:0.52 cum/cum	1:0.44 cum/cum	Nil
2d	Quantity of topsoil generation in m3	In 2022-23, the proposal for top soil generation was 7166 cum	In 2022-23, the actual generation of top soil was less i.e. 3256 cum	Deviation has been pointed out to lessee through violation letter
2e	Quantity of overburden generation in m3	In 2022-23, the proposal for overburden generation was 20588 cum	In 2022-23, the actual generation of overburden was 20470 cum	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development has been carried out as per proposal.		

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3. Exploitation FY (2022-23)

S. N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One Pit	One Pit	Nil
3b	Quantity of ROM mineral production proposed	In 2022-23, the ROM production proposed was 134220 tones.	In 2022-23, the actual ROM generated was 133500 tones.	Nil
3c	Recovery of Salable/usable minerals from ROM production	100%	100%	Nil
3d	Quantity of mineral reject generation	Not Proposed	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Nil	Nil
3g	Grade of sub-grade mineral generation	Not Proposed	Nil	Nil
3h	Manual / Mechanized method adopted for segregation from ROM	Only manual sizing & sorting	Done manually.	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting proposed in mineral benches.	Drilling & blasting carried out as proposed.	Nil
3k	Provision of mining machineries in mineral benches	Proposed	Carried out	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3m	Total area covered under excavation /pits (Ha.)	Total area covered under excavation /pits at the end of plan period 2023-24 will be 2.64 Ha	Total area covered under excavation /pits at the end of plan period 2022-23 is 2.50 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.52 cum/cum	1:0.44 cum/cum	Nil
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period 2023-24 will be 4.705 Ha	Total area put in use under different heads at the end of plan period 2022-23 is 4.7 Ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20 147888 tones 2020-21 127080 tones 2021-22 129132 tones 2022-23 134220 tones	128600 tones 85116 tones 115710 tones 133500 tones	Nil
3q	General remarks of inspecting officer on method of mining etc.	Exploitation has been done as per proposal.		

4. Solid Waste Management-Dumping (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of top soil and overburden proposed.	Separate dumping of top soil and overburden carried out.	Nil
4b	Location of topsoil, OB & mineral reject dumps	Proposed Top soil dump in Southern part of lease and Waste dump in Northwest	Top soil dump in Southern part of lease and Waste dump in Northwest part of	Nil

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		part of the lease.	the lease.	
4c	Number of Dumps within lease area and outside lease area	One waste dump within lease area	One waste dump within lease area	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Outside the UPL	Nil
4e	Number of Active & Alive dumps	One waste dump within lease area	One waste dump within lease area	Nil
4f	Number of dead dumps	Not Proposed	Nil	Nil
4g	Number of dumps established	Not Proposed	04 old waste and soil dumps naturally / established by plantation over waste and soil dumps.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Nil	Nil
4j	Number of settling ponds	Not Proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Dumping done as per proposal.		

5. Solid Waste Management-Backfilling (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Nil	Nil
5b	Area under backfilling of mined out area	Not Proposed	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed & rehabilitated (Ha)	Not Proposed	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mined out area during the year was Nil.		

6. Progressive Mine Closure Plan (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
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	As per rule 26(2) of MCDR 2017, the holder of mining lease shall submit to the competent authority a yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July report every year	Annual return on PMCP for 2022-23 has been submitted along with annual return	Nil
6b	Area available for rehabilitation (Ha)	Not Proposed	Nil	Nil
6c	Afforestation done (ha)	Not Proposed	Nil	Nil
6d	No. of saplings planted during the year	Proposed 10 nos of saplings to be planted	Number of saplings planted during the year was 150 nos	Nil
6e	Cumulative no. of plants	Not Proposed	680 nos	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil

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6g	Cost incurred on watch & care during the year	Not Proposed	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	0.05 Hectare	0.05 Hectare	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	Not Proposed	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	Not Proposed	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Not Proposed	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Not Proposed	Nil	Nil
6p	Compliance of Environment monitoring (core zone & buffer zone)	Proposed	Carried out	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Yearly PMCP report has been submitted timely.		

7. Mineral Conservation (2022-23)

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

8. Environment (2022-23)

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of topsoil proposed	Separate removal of topsoil carried out	Nil
8b	Concurrent use or storage of topsoil	Proposed	Used for plantation over backfilled area.	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Separate dump of overburden proposed	Separate dump of overburden maintained	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Proposed waste dumping & backfilling in 7.5m	Done dumping & remaining backfilled proposed in 7.5m	Nil

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		excavated barrier zone.	excavated barrier zone.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Carried out	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed 10 nos of saplings to be planted	Number of saplings planted during the year was 150 nos	Nil
8g	Survival rate	80%	65%	Nil
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried Out	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is maintained.		

9. Compliance of Rule 45 (2022-23)

S.No	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual Return for 2022-23 has been submitted timely.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager has been appointed.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 2.5 Ha, Reclaimed-rehabilitated: 0.1 Ha, Used for waste disposal: 1.2 Ha, Occupied by plant, buildings, residential, welfare buildings and roads: 0.45 Ha, Used for any other purpose (specify) Green belt: 0.45 Ha	Nil
9d	Scrutiny of Annual return on afforestation	Number of saplings planted during the year was 150 nos	Nil
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	Closing Stock of ROM is Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-Mine price is Rs 406.25 per tonne.	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets is Rs 534899.	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel (Hydraulic) 1 No, Dumper 1 nos	Nil

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 45(7)		
MCDR17	Rule 11(1)		

Date :

(SUDIP RANJAN MAZUMDAR)

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