

I/30618/2024

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

Mine code: 38MPR12078

(i)	Name of Inspecting officer	:	<b>Shri Sudip Ranjan Mazumdar</b>
(ii)	Designation	:	Senior Mining Geologist
(iii)	Accompanying mine official with Designation	:	Vijay Keshav Chakunde(Sr. GM mines), Siyaram Mishra (Dy. Manager Geology)
(iv)	Date of Inspection	:	10/10/2023
(v)	Previous Inspection date	:	13/02/2023

**PART-I: GENERAL INFORMATION**

1	(a)	Mine Name	:	Ghursal Limestone Mine Area
	(b)	Registration Number	:	IBM/15003/2013
	(c)	Category	:	A-Fully Mechanized
	(d)	Type of Working	:	Opencast
	(e)	Postal address	:	
		State	:	Madhya Pradesh
		District	:	Dhar
		Village	:	Ghursal
		Taluka	:	Gandhwani
		Post Office	:	Jeerabad
		Pin code	:	454446
		Fax	:	NA
		email	:	jeerabadmines@sagarcements.in
		Phone No	:	9425064204
	(f)	Police Station	:	Gandhwani
	(g)	First Opening date	:	15.10.2018
	(h)	Weekly day of rest	:	Sunday
2		Address for Correspondence	:	
3	(a)	Lease Area	:	6.773 Hectare
	(b)	Period of lease	:	50 years
	(c)	Date of Expiry	:	08.01.2067
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	M/s Sager Cement (M) Pvt Ltd Add- 602/A & 602/B Airen Heights, PU-3,Scheme No. 54, Opp. C-21 Mall,A.B. Road, Indore Phone-0731-4075939, Email- jeerabadmines@sagarcements.in
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Rajesh Bansal 602/A & 602/B Airen Heights, PU-3,Scheme No. 54, Opp. C-21 Mall, A.B. Road, Indore Phone -9425064204 Email - rajesh261171@yahoo.co.in Fax- NA Date of appointment- 13/08/2019

I/30618/2024

	Name of address of the Agent with Phone, email, fax number and Date of appointment	:	Shri Niraj Kumar Shrivastava Factory Karondiya (Vill.), Post-Jeerabad-454446, Tehsil Gandhwani, Dist.- Dhar, M.P. Phone-9522215534 Email-nirajkumar@sagarcements.in Fax number-Nil Date of appointment-10/06/2023
	Name of address of the Manager with Phone, email, fax number and Date of appointment	:	Shri Vijay Keshav Chakunde Factory Karondiya (Vill.), Post-Jeerabad-454446, Tehsil Gandhwani, Dist. - Dhar, M.P. Phone-7697029614 Email-vijaykc@sagarcements.in
	Mining Engineer Name Qualification Date of Appointment	:	Shri Vijay Keshav Chakunde BE (Mining) Date of appointment -31/03/2022
	Geologist Name Qualification, Date of Appointment	:	Shri Siyaram Mishra M.Sc. (Geology) Date of appointment - 10/01/2022
6	Date of approval of Mining Plan/Review of Mining Plan etc.	:	MP/Dhar/Limestone/RMP-14/2020-21, Jabalpur dated 10/11/2020

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

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	In 2020-21: 15 nos of boreholes were proposed.	Nil	Exploration backlog has been completed in 2022-23.
1b	Exploration over lease area for Geological axis 1 or 2	Not Proposed	In 2022-23, 15 nos of boreholes were drilled completing the backlog of previous years.	Nil
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not Proposed	Exploration Agency: M/s Unique Geo-tech & Drillers Expenditure - 5.64 lakh	Nil
1d	Balance area to be explored to bring the Geological axis in 1 or 2.	Not Proposed	Entire 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, reserves was 542963 tones.	Depletion during the year was 150467 tones. Remaining reserves as on 31.03.2023 is 392496 tones.	Nil
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area has been explored under G1 level of exploration.		

**Development (2022-23)**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N2476429 to N2476589 & 506518 to 506710	N2476431 to N2476585, & 506525 to 506710	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	There is only mineral benches	There is only mineral benches	Nil
2c	Stripping ratio or ore to OB ratio	Not Proposed	Nil	Nil

I/30618/2024

2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m3	Not Proposed	Nil	Nil
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	There was no generation of overburden or top soil as per proposal. Mining has been carried out within the excavation limits.		

**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	150467 Tones	150467 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	Not Proposed	Nil	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	Yes	Yes	Nil	
3k	Provision of mining machineries in mineral benches	Yes	Yes	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.)	Area under mining at the end of plan period is 2.0609 Ha	Area under mining at the end of 2022-23 is 0.845 Ha	Nil	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Nil	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 is 2.1209 Ha	Total Area put in use under different heads at the end of 2022-23 is 1.129 Ha	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable	2018-19	4971	4970	Nil
		2019-20	5434	Nil	
		2020-21	7600	7400	
		2021-22	300026	7590	
		2022-23	150467	150467	
3q	General remarks of inspecting officer on	Mining operation was carried out in one pit as per proposal.			

I/30618/2024

	method of mining etc.	
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**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)	Not Proposed	Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Nil	Nil
4c	Number of Dumps within lease area and outside lease area	Not Proposed	Nil	Nil
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Nil	Nil
4e	Number of Active & Alive dumps	Not Proposed	Nil	Nil
4f	Number of dead dumps	Not Proposed	Nil	Nil
4g	Number of dumps established	Not Proposed	Nil	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	One no.	Nil
4k	Specific comments of inspecting officer on waste dump management	There was no generation of overburden or top soil 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	The mine is not matured for reclamation through backfilling. However, backfilling was carried out in already worked out area in safety zone towards the eastern side of the lease boundary as per proposal in the approved mining plan.		

**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	Yes	Yes	Nil
6b	Area available for rehabilitation (Ha)	Nil	Nil	Nil
6c	Afforestation done (ha)	0.005 Ha	0.009 Ha	Nil
6d	No. of saplings planted during the year	10 Nos	188 Nos	Nil
6e	Cumulative no. of plants	78 Nos	356 Nos	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	-	Rs. 4,40,932/-	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.	Not Proposed	Nil	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	10 nos	188 nos	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha), Method of rehabilitation	0.005 Ha, plantation	0.009 Ha, plantation	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	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	PMCP compliance done as per proposal.		

**7. Mineral Conservation (2022-23)**

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

I/30618/2024

**8. Environment (2022-23)**

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	10 nos of saplings proposed for plantation	188 nos of plantation carried out	Nil
8g	Survival rate	Not Proposed	90%	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.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	Annual return for 2022-23 has been submitted.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager has been appointed in mine.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/c working=0.845 Ha, Reclaimed and Rehabilitated 0.052Ha, Occupied by Infrastructure 0.168Ha, Others(Plantation) 0.064 Ha	Nil
9d	Scrutiny of Annual return on afforestation	188 nos of plantation carried out	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 (Rs/Tonne) is Rs 249.04.	Nil
9i	Scrutiny of Annual return on Fixed assets	Value of Fixed Assets (Rs 1042000)	Nil
9k	Scrutiny of Annual return on mining Machineries	Shovel (Hydraulic) 1 No; Tipper 3 Nos etc.	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

Date:

**(SUDIP RANJAN MAZUMDAR)**  
Indian Bureau of Mines