

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

Mine code:38MPR403006

(i)	Name of Inspecting officer	:	Shri Sudip Ranjan Mazumdar
(ii)	Designation	:	Regional Mining Geologist
(iii)	Accompanying mine official with Designation	:	Shri Vijay Keshav Chakunde, Senior GM (Mines)
(iv)	Date of Inspection	:	26/10/2024
(v)	Previous Inspection date	:	Nil

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	:	Khedi Balwari Limestone Mine
	(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	:	Khedi Balwari
		Taluka	:	Gandhwani
		Post Office	:	Jeerabad
		Pin code	:	454446
		Fax	:	NA
		email	:	jeerabadmines@sagarcements.in
		Phone No	:	9503484392
	(f)	Police Station	:	Gandhwani
	(g)	First Opening date	:	22.01.2024
	(h)	Weekly day of rest	:	Saturday
2		Address for Correspondence		
3	(a)	Lease Area	:	14.424 Ha
	(b)	Period of lease	:	50Yr
	(c)	Date of Expiry	:	24.01.2071
4		Mineral Worked (Main)	:	Limestone
5		Name of address of the Lessee with Phone, email and fax number	:	Sagar Cements (M) Pvt Ltd., 602/A and 602/B Airen Heights, PU-3, Scheme No. 54, Opp. C-21 Mall, A.B. Road, Indore, Madhya Pradesh Phone-9503484392, Email-jeerabadmines@sagarcements.in
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	:	Shri Rajesh Bansal Address: 602, Airen Heights, PU-3, Scheme No-54, Opp. C-21 Mall, A.B. Road, Indore, Madhya Pradesh, 452010 Phone :-9425064204 Email :-rajesh261171@yahoo.co.in Date of appointment-13.08.2019

	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 Date of appointment-24/01/2024
	Name of address of the Manager with Phone, email, fax number and Date of appointment :	Shri Vijay Keshav Chakunde Vill. –Karondiya, Post-Jeerabad, Tehsil- Gandhwani, Dist.-Dhar, Madhya Pradesh, 454446 Phone -7697029614 Email-vijaykc@sagarcements.in Date of appointment-22.01.2024
	Mining Engineer Name Qualification Date of Appointment :	Shri Vijay Keshav Chakunde Qualification- BE (Mining) Date of appointment-22.01.2024
	Geologist Name Qualification, Date of Appointment :	Shri Ajit Kumar Qualification- M.Sc.(Geology) Date of appointment- 22.01.2024
6	Date of approval of Mining Plan/Review of Mining Plan etc. :	Mining Plan was approved vide letter no. MP/Dhar/Limestone/MPLN/G-01/2020-21 dated 24/09/2020 for the plan period of five years from the date of agreement

PART- II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration: (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	In First year of Mining Plan period, 19 bore holes were proposed for drilling	Nil	The deviation has been pointed out to lessee through violation letter.
1b	Exploration over lease area for Geological axis 1 or 2	G-1:-14.424 Ha	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.	G-1:-14.424 Ha	G-2:-10.5787 Ha G-3:-3.8453 Ha	Nil
1e	Balance reserves as on 01.04.2023	At the beginning of the year 1.4.2023 , reserve was 1,008,642 tonne	Depletion during the year was 200 tonne. Balance reserve as on 31.03.2024 is 1,008,442 tonne	Data as per annual return submitted for 2023-24
1f	General remarks of Inspecting officer on geology, exploration etc.	There is backlog in exploration proposal. The deviation has been pointed out to lessee through violation letter.		

Development (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	N-2480021,2480110 E-510719, 510839	N-2480080, 2480095 E-510780, 510790	Nil
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Mineral-One Bench	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:0.09	Nil	Nil

2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Nil
2e	Quantity of overburden generation in m3	Overburden (Interstitial Waste)-3890 m3	Nil	Deviation has been pointed out through violation letter
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	There was no generation of overburden. Deviation has been pointed out through violation letter		

Exploitation FY (2023-24)

S. NO	Item	Proposals		Actual Work	Remarks
3a	Number of pits proposed for production	One Pit		Nil	Nil
3b	Quantity of ROM mineral production proposed	42137 tonne		200 tonne	Deviation has been pointed out through violation letter
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		Nil	Nil
3k	Provision of mining machineries in mineral benches	Yes		Nil	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.)	0.92 Ha at the end of plan period		0.01 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.09		Nil	Nil
3o	Total area put in use under different heads at the end of year	1.8188 Ha at the end of plan period		0.022 Ha	Nil
3p	Production of ROM mineral during last five-years period, as Applicable	2020-21	15267 ton	Nil	Nil
		2021-22	15920 ton	Nil	
		2022-23	16787 ton	Nil	
		2023-24	42137 ton	200 ton	
3q	General remarks of inspecting officer on method of mining etc.	ROM production was less than proposed. Deviation has been pointed out through violation letter			

Solid Waste Management-Dumping (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB proposed	Nil	No Generation of waste
4b	Location of topsoil, OB & mineral reject dumps	N- 2480150, 2480210 E- 510930, 511000	Nil	
4c	Number of Dumps within lease area and outside lease area	Within lease area	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Waste generated shall be dumped temporarily within lease area	Nil	No generation of waste
4e	Number of Active & Alive dumps	One	Nil	
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps established	Not Proposed	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Nil	No waste dump
4i	Length of Retaining wall or garland drain all along dump	Garland drain-100 m	Nil	
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	There was no generation of waste and hence no waste dump has been created.		

Solid Waste Management-Backfilling (2023-24)

S.No	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	Mine is not matured for reclamation through backfilling		

Progressive Mine Closure Plan (2023-24)

S.No	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	Before 1st July of Every Year	Submitted on dated 22/06/2024	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	Not Proposed	Nil	Nil
6e	Cumulative no. of plants	Not Proposed	Nil	Nil
6f	Any other specific method of rehabilitation	Not Proposed	Nil	Nil
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.	Not Proposed	Nil	Nil
6k	Compliance on reclamation and	Not Proposed	Nil	Nil

	rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.			
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 Specified	25 Saplings	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha) Method of rehabilitation	Area rehabilitation- 0.0125 ha	Area rehabilitation- 0.0125 ha	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)	Quarterly	Quarterly	Nil
6q	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP has been submitted timely		

Mineral Conservation (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM Dispatch	ROM 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	ROM Dispatch in practice		

Environment (2023-24)

S.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	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)	One Dump	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)	Not Specified	25 saplings	Nil
8g	Survival rate	Not Specified	70 %	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		

Compliance of Rule 45 (2023-24)

S.No	Item	Comments	Remarks
9a	Status of submission of monthly and	Annual Return for 2023-24 has been submitted	Nil

	Annual returns	timely	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer, Geologist and Manager have 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: 0.01 Ha, Used for any other purpose: 0.022 Ha	Nil
9d	Scrutiny of Annual return on afforestation	25 Nos of saplings planted	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	Cost of Production is Rs 214.91 per tonne	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 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
11(1)	06.03.25		

Date:

(SUDIP RANJAN MAZUMDAR)
Indian Bureau of Mines