

INSPECTION DATASHEET**General**

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Khod Limestone Mine, Area-58.431 ha 29/06/2024 Robert Simon C Assistant Controller of Mines Jabalpur Region, IBM
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	(i) Total Lease Area:-58.431 ha (ii) Forest Land:- Nil (iii) Non-forest Land:-58.431 ha
3	Mine code	38MPR403002
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/15003/2013
5	Name of the Lessee, Address, Phone, email and fax number	Name of the Lease:-Khod Limestone Mine Area-58.431 ha Address:-Village-Khod, Tehsil-Gandhwani, District-Dhar, Madhya Pradesh, Pin-454446 Phone:-9503484392 Email:- jeerabadmines@sagarcements.in
6	Village	Khod
7	Taluka/Mandal	Gandhwani
8	District	Dhar
9	Pin code	454446
10	State	Madhya Pradesh
11	Post Office	Jeerabad
12	Nearest Police Station	Gandhwani
13	Nearest Railway Station	Indore
14	Date of Grant of Mining Lease	18.11.2020
15	Date of Execution	4.12.2020
16	Date of opening of Mine	30.11.2023
17	Date of First Renewal, if applicable and its period & expiry	NA
18	Date of Second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, 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 Fax number +91-40-23356573 Date of appointment- 30.11.2023
21	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Avanish Kumar Sharma Qualification -BE (Mining) Total experience- 12 years Vill. -Karondiya, Post-Jeerabad, Tehsil- Gandhwani, Dist.-Dhar, Madhya Pradesh, 454446 Phone 9602203455 Email-aksharma@sagarcements.in Date of appointment-30.11.2023
22	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri Vivekanand Mishra Qualification -M.Sc. (Geology) Vill. -Karondiya, Post-Jeerabad, Tehsil- Gandhwani, Dist.-Dhar, Madhya Pradesh, 454446 Date of appointment-30.11.2023
24	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Avanish Kumar Sharma Vill. -Karondiya, Post-Jeerabad, Tehsil- Gandhwani, Dist.-Dhar,

		Madhya Pradesh, 454446 Phone 9602203455 Email-aksharma@sagarcements.in Date of appointment-30.11.2023
25	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	NA
26	Mineral(s) granted in lease and approved for Mining	Limestone
27	Method of Mining (Opencast, Underground)	Opencast
28	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
29	Captive/Non-Captive	Captive

Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	22 Bore holes	5 Bore holes	Violation pointed out under Rule 11(1).
1b	Exploration over lease area for Geological axis 1 or 2.	22 Bore holes (first five year of mining plan period)	5 Bore holes (97.5 meterage)	Violation pointed out under Rule 11(1).
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	Unique Geotech & Drillers Total Expenditure-5.12453 Lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	G1-58.431 ha	G1-0.00 ha G2-27.431 ha G3-0.00 ha G4-31.000 ha	
1e	Balance reserves as on 01.04.2024	3202167 ton	3518167 ton	
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	N-2477749 to 2477844 E-499562 to 499705	N-2477751 to 2477841 E-499601 to 499702	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.13	1:0.046	
2d	Quantity of topsoil generation in m ³	0	0	
2e	Quantity of overburden generation in m ³	28760	1939.81	Violation pointed out under Rule 11(1).
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	1	1	

3b	Quantity of ROM mineral production proposed (2023-24)	215700 ton	87000 ton	Violation pointed out under Rule 11(1).
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	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	NA	NA	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Mechanized method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meter	6 meter	
3m	Total area covered under excavation /pits	0.90 ha	0.831 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.13	1:0.046	
3o	Total area put in use under different heads at the end of year	1.31 ha	0.9743 ha	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20	0	0
		2020-21	26757 ton	0
		2021-22	54990 ton	0
		2022-23	105553 ton	0
		2023-24	215700 ton	87000 ton
3q	General remarks of inspecting officer on method of mining etc	Only 87000 tonnes of Limestone is produced against the proposal of 215700 tonnes for the year 2023-24. Only 1939.81 m3 of OB is generated against the proposal of 28760 m3 for the year 2023-24. Hence the development & excavation were found lagging behind the approved proposals.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	OB-28760 qm	OB-1939.81 qm	
4b	Location of topsoil, OB & mineral reject dumps	N-2477580, 2477650 E499610,499750	N-2477600, 2477640 E-499610,499640	
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	0	0	
4e	Number of Active & Alive dumps	1	01 Temporary dump	

4f	Number of deed dumps	0	0	
4g	Number of dumps established	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	garland drain Of 95m	
4i	Length of Retaining wall or garland drain all along dump	Nil	95m	
4j	Number of settling ponds	0	1	
4k	Specific commends of inspecting officer on waste dump management			

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	Nil	There is no completely mined out area
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

Progressive Mine Closer Plan

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	Before 1 st July of Every Year	Submitted on dated- 22/06/2024	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Nil	Nil	
	ii) Afforestation done (ha)	Nil	Nil	
	iii) No.of saplings planted during the year	Not specified	150	
	iv) Cumulative no. of plants	Nil	200 approx.	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	Nil	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	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	i)22 saplings ii)0.011 ha iii) Plantation	i)150 saplings ii)0.075 ha iii) Plantation	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly	Quarterly	
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 Dispatch	ROM Dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sort out at mine	Nil	Cement grade	
7d	Any beneficiation process at mines	Not proposed	Not adopted.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is utilized in the captive cement plant owned by the lessee.		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	NA	Nil	There is no top soil
8b	Concurrent use or storage of topsoil	NA	Nil	There is no top soil
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	1	1	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use in conceptual period	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	22 plants (0.011 ha)	150 plants (0.075 ha)	
8g	Survival rate	80%	80%	

8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling has been carried out on regular basis.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area is moderate.		

Compliance of rule 45 :

Sl.N	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Returns are submitted on time.	Returns are submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	Manager : AVINASH KUMAR SHARMA Mining Engineer in charge: AVINASH KUMAR SHARMA Geologist in charge : VIVEKANAND MISHAR	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	12. Lease area (surface area) utilisation as at the end of year (hectares): Under forest Outside forest Total (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 0.831 0.831 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.048 0.048 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.020 0.020 (vi) Used for any other purpose (specify) Plantation 0.000 0.075 0.075 (vii) Work done under progressive mine closure plan during the year 0.000 0.075 0.075	
9d	Scrutiny of Annual return on afforestation	i) Number of trees planted during the year 150 112 ii) Survival rate in percentage 70 70 iii) Total no. of trees at the end of the year 150 1211	PART-5 S.No.05 (Trees planted- survival rate). The details wrt to Total no.of trees at the end of the year is incorrectly furnished.	Violation pointed out under Rule 45(7).
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	Cement grade limestone Opening stock : Nil Production : 87000 Cement Grade Lst Closing stock : Nil	

9g	Scrutiny of Annual return on sale value, Ex Mine price & production costs	Given	Cost of production & Ex mine price –Rs.164.74	
9i	Scrutiny of Annual return on Fixed assets	Given	The Value of Fixed Asset is mentioned as Rs.1042000”	Violation pointed out under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining Machineries	Given	Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast underground (specify) AIR COMPRESSOR 300.000 CUM/MN 1 Non Electrical Opencast SHOVEL (HYDRAULIC) 1.200 CUM 1 Non Electrical Opencast TIPPER 10.000 CUM 3 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)	14-AUG-24		Rule 11(1)	11-SEP-24	
Rule 33	14-AUG-24	11-SEP-24			
Rule 45(7)	14-AUG-24		Rule 45(7)	11-SEP-24	

Date: 25.09.24

Name: Robert Simon C

Designation: Assistant Controller of Mines