

MCDR INSPECTION REPORT (2023-24)**1. GENERAL**

S. No.	Particulars	Details
1(a)	Name of the Mine	Morasa-Vavdi Limestone Mine
1(b)	Name if inspecting officer	Mohammand Nimar, DCoM
1 (c)	Accompanying Mines Representatives	Mr. Rajiv Ranjan, Mining Engineer and others
1(d)	Type of Inspection	Mining Plan, Star Rating & MCDR Inspection
1(e)	Date of Inspection	18-10-2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 93.1407 Ha Forest - Nil
3	Mine code	38GUJ08345
4	IBM Registration Number under rule 45 of MCDR, 2017	IBN/304/2011
5	Name of the lessee, Address, phone, email and fax number	Regd. Office: M/s Saurashtra Cement Limited, Sidheegram, Near Railway Station, Ranavav 360560, District: Porbandar, Gujarat Works: Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. 02876 268206/268240, Email: narendrasingh@mehtagroup.com , Fax:02876 286540,
6	Villages	Morasa & Vavdi
7	Taluka/Mandal	Sutrapada
8	District	Gir Somnath
9	Pincode	362 275
10	State	Gujarat
11	Post office	Prashanawada
12	Nearest police station	Sutrapada
13	Nearest Railway station	Veraval
14	Date of Grant of Mining Lease	05.12.1985
15	Date of Execution	09.01.2015, Expiry: 08.01.2065
16	Date of opening of Mine	07.02.2017
17	Date of first Renewal, if applicable and its period & expiry	21 March 2024 Period 50 Years & Expiry: 08.01.2065
18	Date of second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	As per the Section 8(A) (5) of the Mines & Minerals (Development and Regulation) Amendment Act-2015, the Commissioner (GoG), Geology and Mining extend the Lease Period up to 08/01/2065 vide Order No. MCR-1583-(C-3)-7610-Chh.1), dated 18/10/2017 & 15/02/2018. Supplementary Deed executed on 07 March 2024 and Registered (No. 214) on 21 March 2024.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. M.S. Gilotra M/s. Saurashtra Cement Limited (Formerly Gujarat Sidhee Cement Ltd). N K Mehta International House, 2 nd Floor, 178 Backbay Reclamation, Mumbai- 400 020, Phone No.: +91 (22) 66365444, email: sidhee-mum@mehtagroup.com , Fax: +91(22)

		66365445 Date of Appointment: 28/05/1999
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Narendra Singh M/s Saurashtra Cement Ltd, Sidheegram, Off Veraval-Kodinar Highway, P.O. Prashanawada, Taluka: Sutrapada, District: Gir Somnath, Gujarat: 362 275, Phone No. +91 2876 268206, Email: narendrasingh@mehtagroup.com, Fax: +91 2876 286540, Date of appointment: 25/05/2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Rajeev Ranjan Singh, M/s Saurashtra Cement Ltd, Sidheegram, Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. +91 2876 268240, email: rajeevranjan@mehtagroup.com , Fax: +91 2876 286540, Date of appointment: 11/11/2013

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Hemendra Kumar Jain, BE- Mining Engineer (Experience: 18 years) M/s Saurashtra Cement Ltd, Sidheegram, Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. +91 2876 268423, email: hk.jain@mehtagroup.com , Fax: +91 2876 286540, Date of appointment: 07/02/2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes .
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	(i) Review of Mining Plan along with PMCP approved vide Letter No. 684(4) (1)/MP-254/2019-20-GNR/2413, dated 27/11/2019 for five year periods (2020-21 to 2024-25) without any specific condition. (ii) Modified Mining Plan along with PMCP approved on last occasion vide File No.: MCDR-MPCP0CaF1/4/2023-GNR-IBM_RO_GNR MP-468 Mine Code 38GUJ08345, dated 31-03-2023 for two years periods (2023-24 to 2024-25) without any specific condition.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not Applicable
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. – Exploration

S. No.	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
1a	Backlog of previous year	Not proposed	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	G1- 93.1407 Ha	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Not applicable	
1e	Balance reserves as on 01.04.2024	Lime stone (in million tonnes) 5.01 (111), 3.408 (121) 2.843 (221), Total: 11.26	Lime stone (in million tonnes) 3.969 (111), 3.408 (121) 2.843 (221), Total: 10.220	
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease is area is explored in G-1. Reserves given in Annual Return are not matching with Approved Mining Plan MCDR-MPCP0CaFI/4/2023-GNR-IBM_RO_GNR MP-468 dated 31/3/2023		

2.0 Development

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Latitude: 2306844.15 N To 2307780.68 N Longitude: 658700.93 E To 660625.76 E	Latitude: 2306929.08 N To 2307666.39 N Longitude: 658855.65 E To 660270.50 E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	Not required	
2c	Stripping ratio or ore to OB ratio	1: 0.00	1: 0.00	
2d	Quantity of topsoil generation in cum	24618.00	Concurrently utilized in Plantation work	
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development work done in within the proposed limit.		

3.0 Exploitation

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit ID: 1A, 1B, 2, 3, 4, 5, 6, 7, 8, 9	Pit ID: 1A, 1B, 2, 3, 4, 5, 6, 7, 8, 9 N20.862026,E70.530145 & N20.859805,E70.540738	
3b	Quantity of ROM mineral production proposed	Limestone: 1000000.000 tonnes	Limestone: 999740.424 tonnes	Entire ROM is utilising by proper blending
3c	Recovery of saleable/usable mineral from ROM production	Not proposed	Not applicable	

3d	Quantity of mineral reject generation	Not proposed	Not applicable	from outsource Limestone	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable		
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable		
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable		
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not applicable		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable		
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not applicable		
3k	Provision of mining machineries in mineral benches	Surface Miner combination with Loader and Dumpers	As per Proposal		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Average 6.0mtr	6.0mtr.		
3m	Total area covered under excavation/pits	53.07 Ha	32.6464 Ha		
3n	Ore to OB ratio for the pit/mine during the year	1: 0.000	1: 0.000		
3o	Total area put in use under different heads at the end of year	Pit- 53.07 Ha Road/Building: 1.590 Ha Top Soil: 0.0000 Ha Green Belt: 3.5000 Ha	Pit- 32.6464 Ha Road/Building: 1.590 Ha Top Soil: 0.0000 Ha Green Belt: 3.5250 Ha		
3p	Production of ROM mineral during last five-year period, as applicable	Period	Product ion	Production	Deviation has been observed due to encroachment & quality.
		Limestone (in tonnes)			
		2019-20	1000000.000	577341.560	
		2020-21	1000000.000	710254.303	
		2021-22	1000000.000	638937.060	
		2022-23	1000000.000	223875.301	
2023-24	1000000.000	999740.424			
3q	General remarks of inspecting officer on method of mining etc.	Mining is being carried out with the help of Surface Miner, and loading & transportation is being done with combination with Loader and Dumpers			

4.0 Solid Waste Management-Dumping

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Not applicable	

4b	Location of topsoil, OB & mineral reject dumps	Concurrently utilization in Plantation work	Concurrently utilized in Plantation work	
4c	Number of dumps within lease area and outside lease area	Not proposed	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	
4e	Number of active & alive dumps	Not proposed	Not applicable	
4f	Number of dead dumps	Not proposed	Not applicable	
4g	Number of dumps stabilised	Not proposed	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer	No activity towards dumping done as proposed. Negligible quantity of top soil generated and used for plantation purpose.		

5.0 Solid Waste Management-Backfilling

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Concurrently utilized in Plantation work	Concurrently utilized in Plantation work	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No work proposed and no work carried out except negligible quantity of top soil which was used for plantation purpose.		

6.0 Progressive Mine Closure Plan

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26 (2). Details should be given in the format as given in Annexure- .	Annual report on PMCP shall be submitted, before 1 st day of July'2024.	Submitted along with Annual Return on 12-06-2024	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch &	(i) Nil (ii) 0.500Hect (iii) 500 nos. (iv) 3500 nos. (v) Nil (vi) Rs. 50,000/-	(i) Nil (ii) 0.500 hect. (iii) 550 nos. (iv)3837nos. (v) Nil (vi) Rs. 80,000/- (Approx)	

	care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not applicable	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not applicable	Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring for Air, Water and noise	Through outside agency	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP works are done as per proposal made. Environmental monitoring is being done through outside agency and reports are within statutory limits.		

7.0 Mineral Conservation

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Limestone: 1000000.000 tonnes	Limestone: 999740.424 tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines	Not applicable	Not applicable	
7d	Any beneficiation process at mines	Not applicable	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral produced is fully utilised. No sub grade or Mineral Reject generated.		

8.0 Environment

S. No	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Removed separately & use for afforestation	As per proposal	
8b	Concurrent use or storage of topsoil	24618.00	Negligible	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands	Not proposed	Not applicable	

	affected by mining operations (Pits, dumps etc.)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Restoration of land by means of plantation	As per Proposal	
8g	Survival rate	Not Proposed	Within lease area 70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads.	As per norms Complied	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Plantation with fencing is being done near road and other safety zone.		

9.0 Compliance of Rule 45

S. No	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	Monthly Returns up to Oct'24 submitted within stipulated time. Annual Return 2023-24 is submitted On 12-06-2024	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME- Mr Hemendra Jain Geo- Mr Hem Chandra Shrivastava	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 32.646, Occupied by plant, buildings, residential, welfare buildings and roads 1.590, Work done under progressive mine closure plan during the year 0.500	
9d	Scrutiny of Annual return on afforestation	550/3837	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil, 38% CaO	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	EMP- 213.69 Captive Consumption	
9i	Scrutiny of Annual return on fixed assets	₹ 6446457264	
9k	Scrutiny of Annual return on mining machineries	SURFACE MINER 800.000 HP 1, WHEEL LOADER 4.500 CUM 1, TIPPER 12.000 CUM 8, Water Tanker -1	

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

- 1) During previous year i.e. for 2022-23 Violation letter under Rules 11(1) and 34(A) was issued on 06-11-2023 and the same has been complied on 05-2-2024.
- 2) This year violation under Rule 45(5)(c) read with 45(7) for Annual Return 2023-24 total resources are reported as 10,220,888.00 T, however in Mining Plan it is shown as 19279680.00 T. is observed. SCN is being issued.
- 3) Drone data of the mine has been checked and found that it is not as per SOP hence referred back on DDMS portal.

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