

1. GENERAL

S. No.	Particulars	Details
1(a)	Name of the Mine	Prashanawada-Morasa 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	Star Rating & MCDR Inspection
1(e)	Date of Inspection	19-10-2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest - 253.8542 Ha Forest - Nil
3	Mine code	38GUJ08099
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/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	Prashanawada & Morasa
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	11.02.1987 Lease Period up to 10/02/2037
16	Date of opening of Mine	12.02.1987
17	Date of first Renewal, if applicable and its period & expiry	N/A
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 10/02/2037 vide Order No. MCR-1583-(C-1-9035-Chh.1), dated 18/10/2017.
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. Rajeev Ranjan Singh, BE Mining Engineer (Experience: 20.6 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 268240, email: rajeevranjan@mehtagroup.com , Fax: +91 2876 286540, Date of appointment: 01/04/2017
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.	Mining Plan along with PMCP approved on last occasion vide Letter No. 684(4)(1)MP-368/2021-22 GNR/2189, dated 23/12/2021 for five year periods (2022-23 to 2026-27) 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.	(i) Scheme Mining Plan approved vide Letter No. 682(23) MS-35/98-MCCM (N) Udp, dated 16/07/1999, for five year periods (1998-99 to 2002-03). (ii) Scheme Mining Plan approved vide Letter No. 682(23) MS-197/2003-UDP, dated 10/07/2003, for five year periods (2003-04 to 2007-08). (iii) Scheme Mining Plan approved vide Letter No. 682(23) (457/2006-MCCM (N)-UDP, dated 16/07/2014, for three year periods (2014-15 to 2016-17) with specific condition "submit a copy of EIA-EMP {approved by MoEF (GoI)} to RCOM, IBM, Udaipur.
27	Mineral(s) granted in lease and proved for mining	Limestone & Marl
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 (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Not Applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	G1- 253.8542 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 required	
1e	Balance reserves as on 01.04.2024	Lime stone (in million tonnes) 5.289 (111), 5.063 (211), Total – 10.352 Marl 4.935 (111) 1.879 (211) Total – 6.814	Lime stone (in million tonnes) 5.615 (111) 5.063 (211) Total –10.678 Marl 5.113 (111) 1.879 (211) Total – 6.992	
1f	General remarks of inspecting officer on geology, exploration etc.	Area fully explored in G1 level.		

2.0 Development

No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	2306911.90N 661396.75E & 2306923.30N 662007.73E	2306922.65N, 661516.98E to & 23077629.40N to 662796.30E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1: 0.00	1: 0.00	
2d	Quantity of topsoil generation in cum	Not proposed	Not Applicable	
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 area is within the proposed area.		

3.0 Exploitation

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit ID: P1, M1 & M4 (LST) and P1 & M1 (Marl)	Pit ID: P1 & M1 (LST & Marl) N20.8549444,E70.5634618 & N20.856750,E70.551519	
3b	Quantity of ROM mineral production proposed	Limestone: 500000.000 tonnes Marl: 200000.000 tonnes	Limestone: 153659.980 tonnes Marl: 21655.940 tonnes	Entire ROM is utilising by proper blending from outsourc e Limesto ne
3c	Recovery of saleable/usable mineral from ROM production	Not proposed	Not Applicable	
3d	Quantity of mineral reject generation	Not proposed	Not Applicable	
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	Surface Miner combination with Loader and Dumpers	
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	179.6080 Ha	179.5094 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 (in Ha)	Pit- 174.718 Soil Storage: 0.500 Mineral Storage: 0.3600 Infrastructure: 0.1720 Road: 2.810 Recl. – 4.8900 Ha	Pit- 174.619 Soil Storage: 0.4500 Mineral Storage: 0.3600 Infrastructure: 0.1720 Road: 2.810 Recl. – 4.8900	

3p	Production of ROM mineral during last five-year period, as applicable	Green Belt: 13.400	Green Belt: 13.800	Deviation has been observed due to quality.
		Period	Production	
Limestone (in tonnes)				
		2019-20	1700000.000	438232.500
		2020-21	1700000.000	311480.030
		2021-22	1700000.000	378114.420
		2022-23	500000.000	435657.630
		2023-24	500000.000	153659.980
Marl (in tonnes)				
		2019-20	700000.000	27305.870
		2020-21	700000.000	15733.410
		2021-22	700000.000	39129.850
		2022-23	200000.000	63900.720
		2023-24	200000.000	21655.940
3q	General remarks of inspecting officer on method of mining etc.	Mining is being done with Surface Miner, frond end loader and dumpers in eco-friendly manner.		

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 used for plantation	Concurrently used for plantation	
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 required	
4k	Specific comments of inspecting officer	No activity towards dumping done as proposed.		

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	Approx. 4.8900 ha area is fully reclaimed & rehabilitated by means of backfilling during 2017-18
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 required	

5e	General remarks of inspecting officer on backfilling, reclamation etc.	Negligible quantity of top soil generated and used for plantation purpose.
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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 & care during the year	(i) Nil (ii) 0.200 (iii) 500 nos. (iv) 25500 nos. (Statutory Boundary: 23000 & Backfilled Area: 2500) (v) Nil (vi) Rs. 100000/-	(i) Nil (ii) 1.500 (iii) 1350 nos. (iv) 25471nos. (Statutory Boundary: 21916 & Backfilled Area: 4530) (v) Nil (vi) Rs. 191000/-	
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 Proposed	Not required	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Proposed	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring for Air, Water and noise	Environmental monitoring is being done through outside agency and reports are within statutory limits.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP works are done as per proposal made.		

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	(in tonnes) Lime stone: 500000.000 Marl: 200000.00	(in tonnes) Lime stone: 173874.930 Marl: 21655.940	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not Applicable	
7c	Different grade of mineral sorted out at mines	Not Proposed	Not Applicable	
7d	Any beneficiation process at mines	Not Proposed	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	Negligible quantity of top soil generated and used for plantation purpose as per proposal	
8b	Concurrent use or storage of topsoil	Concurrently use Plantation Area		
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 affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Restoration of land by means of plantation	Within lease area- 26446 Outside lease area- 15559	
8g	Survival rate	Not Proposed	Within lease area 70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads.	Through water tanker	
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. Rajeev Ranjan Singh, Geo- Harshil Patel	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings 174.619, Reclaimed-rehabilitated 4.890, Occupied by plant, buildings, residential, welfare buildings and roads 2.982, Work done under progressive mine closure plan during the year 1.500 Ha	
9d	Scrutiny of Annual return on afforestation	1350	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM- Nil Cement Grade Limestone - 39863.580 MT Marl- Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	EMP- Limestone - 266.98 Marl- 186.34 Captive	
9i	Scrutiny of Annual return on fixed assets	₹ 6446457264	
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic) 3.900 Cum 1, Dumper 35.000 Tonne 2, Wheel Loader 4.500 Cum 1, Tipper 12.000 Cum 7, Dozer 324.000 Hp 1, Surface Miner 800.000 Hp 1, Back Hoe 1.000 Cum 1, Water Tanker 12000.000 Litre 1	

10 Details of Violations observed during current inspection and compliance position of earlier violation pointed out: - No violations were pointed out during the year 2022-23.

- 1) This year violation under Rule 45(5)(c) read with 45(7) for Depletion of reserves in Annual Return 2023-24 during the year is shown as 173875 MT, however Production of ROM at Mine-head is shown as 153659.80 MT. observed. SCN is being issued.
- 2) Drone data of the mine has been checked and found that it is not as per SOP hence referred back on DDMS portal.

Mohammad Nimar
DCOM