

## MCDR INSPECTION REPORT (2023-24)

## 1. GENERAL

S. No.	Particulars	Details
1	Name of the Mine	Bhetali Limestone Mine
1(a)	Name of Inspecting Officer	Naman Ekka, SMG (Star Rating) / 16/07/2024
1(b)	Name of accompanying official	Hem Chandra Srivastava, Geologist
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 51.9215Ha Forest - Nil
3	Mine code	38GUJ08341
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/280/2011
5	Name of the lessee, Address, phone, email and fax number	<b>Regd. Office:</b> <b>M/s Saurashtra Cement Limited, Sidheegram,</b> Near Railway Station, <b>Ranavav</b> 360560, District: Porbandar, Gujarat <b>Works:</b> Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. 02876 268206/268240, Email: <a href="mailto:narendrasingh@mehtagroup.com">narendrasingh@mehtagroup.com</a> , Fax:02876 286540,
6	Village	Bhetali
7	Taluka/Mandal	Patan Veraval
8	District	Gir Somnath
9	Pincode	362150
10	State	Gujarat
11	Post office	Khanderi
12	Nearest police station	Talala
13	Nearest Railway station	Veraval
14	Date of Grant of Mining Lease	12.02.2002
15	Date of Execution	17.04.2002
16	Date of opening of Mine	Since April 2017
17	Date of first Renewal, if applicable and its period & expiry	30 January 2024 Period 50 Years & Expiry: 16.04.2052
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 16/04/2052 vide Order No. MCR/102020/468684/CHH-1, dated 11/01/2021.  Supplementary Deed executed on 05 December 2023 and Registered (No.678) on 30 January 2024.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	<b>Mr. M.S. Gilotra</b> <b>M/s. Saurashtra Cement Limited</b> <b>(Formerly Gujarat Sidhee Cement Ltd),</b> N K Mehta International House, 2 <sup>nd</sup> Floor, 178 Backbay Reclamation, Mumbai- 400 020, Phone No.: +91 (22) 66365444, email: <a href="mailto:sidhee-mum@mehtagroup.com">sidhee-mum@mehtagroup.com</a> , Fax: +91(22) 66365445 <b>Date of Appointment:</b> 01/03/2024
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	<b>Mr. Narendra Singh</b> 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: <a href="mailto:narendrasingh@mehtagroup.com">narendrasingh@mehtagroup.com</a> , Fax: +91 2876 286540, <b>Date of appointment:</b> 01/03/2024
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	<b>Mr. Santosh Kumar Singh,</b> 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 268310, email: <a href="mailto:santosh.singh@mehtagroup.com">santosh.singh@mehtagroup.com</a> Fax: +91 2876 286540, <b>Date of appointment:</b> 01/03/2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	<b>Mr. Santosh Kumar Singh,</b> BE- Mining Engineer (Experience: 17 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 268310, email: <a href="mailto:santosh.singh@mehtagroup.com">santosh.singh@mehtagroup.com</a> Fax: +91 2876 286540, <b>Date of appointment:</b> 01/03/2024

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	<b>Yes, Hem Chandra Shrivastava</b> As per rule 55 of MCDR' 2017 Geologist & Mining Engineer are appointed in mines & carrying out duties as per rules 56 & 57 of MCDR'2017.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	(i) Mining Plan approved under Sub-section (2) of section 5 of the Mines and Minerals (Regulation and Development) Act 1957 vide Letter No. 682(23) 147/2001 MCCM(N) UDP, Dated:02/11/2001  (ii) Mining Plan approved under Rule 22 of MCR, 1960 vide Letter No. 682(23)(528)/2007 MCCM(N)UDP, Dated: 11/07/2007  (iii) Modified Mining Plan along with PMCP approved Under Rule 17(3) of Minerals (OTAHCEM) Concession Rules, 2016 & 23 of MCDR, 2017 vide Letter No. 682(23)/528/2007-MCCM(N)UDP, Dated: 17/02/2017.  (iv) Review of Mining Plan along with PMCP approved Under Rule 17(2) of Minerals (OTAHCEM) Concession Rules, 2016 & 23 of MCDR, 2017 vide Letter MCDR-MPCP0CaFl/6/2022-GNR-IBM_RO_GNR 38GUJ08341, Dated: 19/01/2023.  (v) Modification of Mining Plan along with PMCP approved Under Rule 17(3) of Minerals (OTAHCEM) Concession Rules, 2016 & 23 of MCDR, 2017 vide Letter MCDR-MPCP0CaFl/6/2022-GNR-IBM_RO_GNR 38GUJ08341, Dated: 17/10/2024
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

### 1.0 Exploration

S. No.	Item	Proposals (2023-2024)	Actual work (2023-2024)	Remarks
1a	Backlog of previous year	16 BH; Meterage -160; Grid interval 200 x 200	No work carried out	Modification approved: proposal carried forwarded to 2024-25
1b	Exploration over lease area for Geological axis 1 or 2.	Proposal for G2	No work carried out	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	No work carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1-22.053 G2- 25.1993 G3-4.6692	G1-22.053 G2- 25.1993 G3-4.6692	<b>Violation of rule 12(4)</b>
1e	Balance reserves as on 01.04.2024	<b>Lime stone</b> (in million tonnes) 3.347 (111), 3.318 (122), 0.129 (221), 0.194 (222) <b>Total: 6.988</b>	<b>Lime stone</b> (in million tonnes) *3.346 (111), 3.318 (122), 0.129 (221), 0.194 (222) <b>Total: 6.987</b>	*Depleted 1401.000 tone from in-situ reserves (111)
1f	General remarks of inspecting officer on geology, exploration etc.	Entire Area has not been fully explored, Violation of rule 12(4) is observed.		

### 2.0 Development

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
	Location of development w.r.t. lease	Latitude:	Working has been carried	Matches

2a	area	2318232.29 N To 2318316.34 N Longitude: 659985.29 E To 660134.94 E	out in the following location Latitude: 20°57' 28.86" Longitude: 70°32' 22.13"	with the Approved MP for year 2023- 24
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	No work carried out	
2c	Stripping ratio or ore to OB ratio	1: 0.00	1: 0.00	
2d	Quantity of topsoil generation in cum	0.000	0.000	
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 of pit has not been carried as per proposal, backlog for development has been observed.		

### 3.0 Exploitation

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit ID: 1	Pit ID: 1	
3b	Quantity of ROM mineral production proposed	<b>Limestone:</b> 155773.280 tonnes	<b>Limestone:</b> 1401.000 tonnes	1401.000 tons stocked at mine head.
3c	Recovery of saleable/usable mineral from ROM production	155773.28 tonnes	1401.000 tonnes	
3d	Quantity of mineral reject generation	Not proposed	No mineral Reject Generated	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	No mineral Reject Generated	
3f	Quantity of sub-grade mineral generation	Not proposed	No Sub Grade Mineral Generated	
3g	Grade of sub-grade mineral generation	Not proposed	No Sub Grade Mineral Generated	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	No method adopted for segregating from ROM	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	No analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	
3j	Provision of drilling & blasting in mineral benches	Not proposed	Work carried out by surface miner	
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	No OB Bench during 2023-24	No OB Bench observed.	
3m	Total area covered under excavation/pits	3.63 Ha	3.63 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- 3.63 Ha Road/Building: 0.53 Ha Green Belt: 0.1Ha	Pit- 3.63 Ha Road/Building: 0.35 Ha Green Belt: 0.05 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	<b>Period</b>	<b>Production</b>	<b>Production</b>
		2019-20	144046.00 0	0.000
		2020-21	144046.00 0	20000.000
		2021-22	144046.00	0.0000

		0	
		2022-23	155249.12 0
		2023-24	155773.28 0
3q	General remarks of inspecting officer on method of mining etc.	Method of Mining is open cast without drilling and blasting	

**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)	No proposal	Mineral Mined out has been separately stacked.	
4b	Location of topsoil, OB & mineral reject dumps	Concurrently utilized in Plantation work	Concurrently utilized in Plantation work	
4c	Number of dumps within lease area and outside lease area	No proposal	No work Carried out	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	No work Carried out	
4e	Number of active & alive dumps	No proposal	No work Carried out	
4f	Number of dead dumps	No proposal	No work Carried out	
4g	Number of dumps stabilised	No proposal	No work Carried out	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	No work Carried out	
4i	Length of Retaining wall or garland drain all along dump	No proposal	No work Carried out	
4j	Number of settling ponds	No proposal	No work Carried out	
4k	Specific comments of inspecting officer	No solid waste generated during 2023-24		

**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	No proposal	No work Carried out	
5b	Area under backfilling of mined out area	No proposal	No work Carried out	
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	No proposal	No work Carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No back filling and reclamation work has been carried out.		

**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 <b>Annexure-</b> .	Annual report on PMCP shall be submitted, before 1 <sup>st</sup> day of July'2024.	Accordingly PMCP Report submitted with AR on 22/4/2024	
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) 0.1Hect (iii) 100 nos.  (iv) 200nos. (v) Nil  (vi) Rs. 5500/-	(i) Nil (ii) 0.05 hect. (iii) 25nos.  (iv) 150nos. (v) Nil  (vi) Rs. 4375/-	<b>Violation of 11(1)</b>
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	No proposal	No work Carried out	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	No work Carried out	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring for Air, Water and noise	Environmental monitoring for Air, Water and noise is being carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP compliance has not been done as per approved MP, <b>Violation of Rule 11(1) has been observed</b>		

### 7.0 Mineral Conservation

S. No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	<b>ROM Mineral dispatch</b> or grade-wise sorting within lease area	ROM Mineral Dispatch	ROM Mineral has not been dispatched in 2023-24	1401.000 tons stocked within Lease area
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	No work Carried out	
7c	Different grade of mineral sorted out at mines	No proposal	No work Carried out	
7d	Any beneficiation process at mines	No proposal	No work Carried out	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Optimum use of Mineral is being done, no beneficiation done.		

### 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	Topsoil removed has been used for plantation work in statutory barrier.	
8b	Concurrent use or storage of topsoil	Concurrently use for Plantation work.	Concurrently use for Plantation work.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	No work Carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	No work Carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	No work Carried out	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Restoration of land by means of plantation	Plantation work has been carried out.	
8g	Survival rate	80 %	Within lease area 70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads.	Water sprinkling on haul roads.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by little to no vegetation with local species, plantation has been carried out within the lease area,		

### 9.0 Compliance of Rule 45

S. No	Item	COMMENTS	Observation	Remarks
9a	Status of submission of Online Monthly and Annual returns	Monthly Return for June 2024 is Submitted on 05/7/2024 Annual Return for 2023-24 is submitted on 22/04/2024		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – Not Mentioned Geologist – Not Mentioned	Mining Engineer – Santosh Kumar Singh Geologist – Hem Chandra Srivastava	Violation of Rule 45(7)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings – 3.740 Ha.  Occupied by plant,	Covered under current (O-C) Workings – 3.740 Ha.  Occupied by plant,	

		buildings, residential, welfare buildings and roads – 0.350 Ha.	buildings, residential, welfare buildings and roads – 0.350 Ha.	
9d	Scrutiny of Annual return on afforestation	Proposal for 100 Plants with survival Rate 80%	Number of trees planted during the year – 25 Survival rate in percentage – 70%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No Proposal	No work Carried out	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Production – 1401.00 Tonnes <b>Graded Ore -</b>  Cement Grade - Opening stock - 21091.000 Production - 1401.00 Tonnes Closing stock – 22492 Tonnes	ROM Production – 1401.00 Tonnes <b>Graded Ore -</b>  Cement Grade - Opening stock - 21091.000 Production - 1401.00 Tonnes Closing stock – 22492 Tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price - 280.60/- Cost of Production 280.60/-	Ex Mine Price - 280.60/- Cost of Production 280.60/-	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets* (₹ 0).	Weighbridge and Mines office present within the lease	Violation of 45(7)
9k	Scrutiny of Annual return on mining machineries	BACK HOE DUMPER FRONT END LOADER WATER TANKER	BACK HOE DUMPER FRONT END LOADER WATER TANKER	

10- Details of violations observed during current inspection – Violation of MCDR Rule 2017 - 11(1), 12(4), 45(7) were observed during Inspection.

Naman Ekka  
SMG