

## MCDR INSPECTION REPORT

### 1. GENERAL

S. No.	Particulars	Details
1	Name of the Mine	Prashanawada-Morasa Limestone Mine
1(a)	Name of the inspecting officer	Naman Ekka, SMG, 12/09/2021, SDF
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, 1988	IBN/304/2011
5	Name of the lessee, Address, phone, email and fax number	<b>Regd. Office:</b> M/s Gujarat Sidhee Cement Ltd, Sidheeagram, Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. +91 2876 268206/268240, Email: <a href="mailto:dinesh.randad@mehtagroup.com">dinesh.randad@mehtagroup.com</a> , Fax: +91 2876 268540,
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	Somnath
14	Date of Grant of Mining Lease	05.12.1985
15	Date of Execution	11.02.1987
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	<b>Mr. M.S. Gilotra</b> M/s. Gujarat Sidhee cement Ltd, 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: 28/05/1999</b>
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	<b>Mr. Dinesh G. Randad</b> M/s Gujarat Sidhee cement Ltd, Sidheeagram, Off Veraval-Kodinar Highway, P.O. Prashanawada, Taluka: Sutrapada, District: Gir Somnath, Gujarat: 362 275, Phone No. +91 2876 268206, Email: <a href="mailto:dinesh.randad@mehtagroup.com">dinesh.randad@mehtagroup.com</a> , Fax: +91 2876 286540, <b>Date of appointment: 16/09/2015</b>
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	<b>Mr. Rajeev Ranjan Singh,</b> M/s Gujarat Sidhee Cement Ltd, Sidheeagram, Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. +91 2876 268240, email: <a href="mailto:rajeevranjan@mehtagroup.com">rajeevranjan@mehtagroup.com</a> , Fax: +91 2876 286540, <b>Date of appointment: 11/11/2013</b>

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	<b>Mr. Rajeev Ranjan Singh,</b> BE Mining Engineer (Experience: 20.6 years) M/s Gujarat Sidhee Cement Ltd, Sidheeagram, Off Veraval-Kodinar Highway, Taluka: Sutrapada, P.O. Prashanawada, District: Gir-Somnath, Gujarat: 362 275. Phone No. +91 2876 268240, email: <a href="mailto:rajeevranjan@mehtagroup.com">rajeevranjan@mehtagroup.com</a> , Fax: +91 2876 286540, <b>Date of appointment: 01/04/2017</b>
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	<b>Yes</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 vide Letter No. 682(23) (467)/93-MCCM (N) UDP, dated 07/06/1994 for grant lease area.  (ii) Modified Mining Plan approved vide Letter No. 682(23) MS-302/2005-UDP, dated 27/04/2005, with specific condition "The Lessee should submit the Financial Assurance to RCOM, IBM, Udaipur.  (iii) Mining Plan approved vide Letter No. 682(23) (457)/2006, dated 18/08/2006 for five year periods (2007-08 to 2011-12) without any specific condition.  (iv) Mining Plan along with PMCP approved <b>on last occasion</b> vide Letter No. 682(23)/MS-457/06-MCCM(N)UDP, dated 17/02/2017 for five year periods (2017-18 to 2021-22) 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) (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 (Opencast, 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 (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	Nil	Not Applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Not required	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Applicable	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 01.04.2021	<b>Lime stone</b> (in million tonnes) 5.1245 (111), 4.5070(211), 0.5000 (222), 2.0300 (332) <b>Total – 12.1614</b> <b>Marl</b> 4.5550 (111)	<b>Lime stone</b> (in million tonnes) 6.5130 (111) 4.5070 (211) 0.5000 (222) 2.0300 (332) <b>Total – 13.5500</b> <b>Marl</b> 5.2393 (111)	

		1.7680 (211) 0.1500 (222) <b>Total – 6.4730</b>	1.7680 (211) 0.1500 (222) <b>Total – 7.1573</b>	
1f	General remarks of inspecting officer on geology, exploration etc.	No Exploration work carried out in 2020-21.		

### 2.0 Development

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	<b>Limestone:</b> (1) E1950 to 2450 , (2) S350 to NS0, (3) N300 to N650 (6) N1200 to N1525 <b>Marl:</b> (C) N105 to S225, (C) N105 to S455 (C)N1054 to S225	<b>Limestone:</b> (1) E2000 to 2450 , (2) S350 to NS0, (3) N300 to N650 <b>Marl:</b> (B) N00 to S435, (C) N105 to S225 (As per proposal depth-wise extension is not carried out due to quality.)	
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	Not proposed	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 of pit has been done as per approved MP.		

### 3.0 Exploitation

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	Six Pits (Five existing & one New) are proposed for production.	Five existing working Pits are utilized for production.	
3b	Quantity of ROM mineral production proposed	<b>Limestone:</b> 1700000 tonnes <b>Marl:</b> 700000 tonnes	<b>Limestone:</b> 311480.030 tonnes <b>Marl:</b> 15733.410 tonnes	Entire ROM is utilising by proper blending from outsource Limestone
3c	Recovery of salable/usable mineral from ROM production	Not proposed	Not required	
3d	Quantity of mineral reject generation	Not proposed	Not required	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not required	
3f	Quantity of sub-grade mineral generation	Not proposed	Not required	
3g	Grade of sub-grade mineral generation	Not proposed	Not required	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not required	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not required	
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not required	
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	188.6700 Ha	178.6176 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- 188.6700 Ha Recl – 4.8900 Ha Road/Building: 2.9816 Ha Top Soil: 2.4500 Ha Green Belt: 23.5000 Ha	Pit- 178.6176 Ha Recl – 4.8900 Ha Road/Building: 2.9816 Ha Top Soil: 2.4500 Ha Green Belt: 19.5500 Ha		
3p	Production of ROM mineral during last five-year period, as applicable	<b>Period</b>	<b>Production</b>	<b>Production</b>	Deviation has been observed due to quality.
		<b>Limestone (in tonnes)</b>			
		2016-17	1700000.0	905510.000	
		2017-18	1700000.0	1225783.950	
		2018-19	1700000.0	834949.080	
		2019-20	1700000.0	438232.500	
		2020-21	1700000.0	311480.030	
		<b>Marl (in tonnes)</b>			
		2016-17	700000.0	44237.000	
		2017-18	700000.0	0.000	
		2018-19	700000.0	0.000	
2019-20	700000.0	27305.870			
2020-21	700000.0	15733.410			
3q	General remarks of inspecting officer on method of mining etc.	Method of Mining has been carried out as per proposal.			

#### **4.0 Solid Waste Management-Dumping**

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Not required	
4b	Location of topsoil, OB & mineral reject dumps	Within in ML, near boundary pillars 4 to 6	Within in ML, near boundary pillars 4 - 6	
4c	Number of dumps within lease area and outside lease area	Not proposed	Not required	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not required	
4e	Number of active & alive dumps	Not proposed	Not required	
4f	Number of dead dumps	Not proposed	Not required	
4g	Number of dumps stabilised	Not proposed	Not required	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not required	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not required	
4j	Number of settling ponds	Not proposed	Not required	
4k	Specific comments of inspecting officer	No Dumping has been carried out in 2020-21.		

#### **5.0 Solid Waste Management-Backfilling**

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not required	Approx. 4.8900 ha area is fully

5b	Area under backfilling of mined out area	Not proposed	Not required	reclaimed & rehabilitated by means of backfilling during 2017-18
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	No backfilling has been carried out in 2020-21.		

## 6.0 Progressive Mine Closure Plan

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	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-20</b> .	Annual report on PMCP shall be submitted, before 1 <sup>st</sup> day of July'2020.	Accordingly PMCP Report is submitted before 1 <sup>st</sup> day of July'2021.	
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) 1.0 Hect (iii) 1000 nos.  (iv) 223500 nos. (v) Nil  (vi) Rs. 2,50,000/-	(i) Nil (ii) 1.0 hect. (iii) 1200 nos.  (iv) 22226 nos. (v) Nil  (vi) Rs. 5,47,600/-	
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 required	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring for Air, Water and noise	Compliance Report Submitted within stipulated time period.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Compliance of PMCP has been carried out as per proposal.		

## 7.0 Mineral Conservation

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	(in tonnes) <b>Lime stone:</b> 1700000.000 <b>Marl:</b> 700000.00	(in tonnes) <b>Lime stone:</b> 335235.290 <b>Marl:</b> 15733.410	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not required	
7c	Different grade of mineral sorted out at mines	Not Proposed	Not required	
7d	Any beneficiation process at mines	Not Proposed	Not required	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues.	No mineral beneficiation issue reported during inspection.		

## 8.0 Environment

S. No	Item	Proposals (2020-21)	Actual work (2020-21)	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	Concurrently use Plantation Area	As proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not required	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not required	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not required	
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 area	Aesthetic beauty in and around mines area is good.		

## 9.0 Compliance of Rule 45

S. No	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	Monthly Return is Submitted before 10 <sup>th</sup> day of every month. Annual Return will be submitted before 1 <sup>st</sup> day of July'2020.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge - Rajeev Ranjan Singh Geologist in charge - Vivek Shah	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings – 178.618 Ha. Other Purpose (Plantation (Cumulative area) ) – 19.550 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year – 1250 Survival Rate – 70%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Rejects – 0.00	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock - 76817.310 t (Cement Grade) Closing stock - 53062.050 t (Cement Grade)	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production	In this regard, Violation Letter received vide IBM	

	cost	Letter No. GUJ/Juna/LST-165/467, dated 24/03/2021.  In response to Violation reply submitted vide Letter No. GSCL/MINES/2020-21/429, dated 31 <sup>st</sup> /05/2021	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs.) 6178247513	
9k	Scrutiny of Annual return on mining machineries	Shovel (hydraulic) – 02 Dumper – 04 Wheel loader – 04 Tipper – 08 Dozer- 02 Surface miner – 01 Back hoe – 01 Water tanker- 01 Crane- 01	

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

<b>Date of issue of violation letter</b>	<b>Date of receipt of reply, if any</b>
Violation Letter received vide IBM Letter No. GUJ/Juna/LST-165/467, dated 24/03/2021.	In response to Violation reply submitted vide Letter No. GSCL/MINES/2020-21/429, dated 31 <sup>st</sup> /05/2021.

Naman Ekka  
SMG