

MCDR INSPECTION REPORT

1. GENERAL

S. No.	Particulars	Details
1	Name of the Mine	Morasa-Vavdi Limestone Mine
1(a)	Name of inspecting Officer	Naman Ekka, SMG, 11/09/2021
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, 1988	IBN/304/2011
5	Name of the lessee, Address, phone, email and fax number	Regd. Office: 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: dinesh.randad@mehtagroup.com , Fax: +91 2876 268540,
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	Somnath
14	Date of Grant of Mining Lease	05.12.1985
15	Date of Execution	09.01.2015
16	Date of opening of Mine	07.02.2017
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-3)-7610-Chh.1), dated 18/10/2017 & 15/02/2018.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. M.S. Gilotra M/s. 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. Dinesh G. Randad 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: dinesh.randad@mehtagroup.com , Fax: +91 2876 286540, Date of appointment: 16/09/2015
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Rajeev Ranjan Singh, 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: 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 Gujarat Sidhee Cement Ltd, Sidheeegram, 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 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) (527)/95-MCCM (N) UDP, dated 27/10/1995 for grant of fresh area. (ii) Progressive Mine Closure Plan approved vide Letter No. 682(23) CLP-126/2008-UDP, dated 10/06/2008, with specific condition "Submit Financial Assurance to RCOM, IBM, Udaipur before execution of Lease Deed. (iii) Modified Mining Plan along with PMCP approved vide Letter No. 682(23) (717)/09-MCCM (N) UDP, dated 21/11/2011 for five year periods (2011-12 to 2015-16) with specific condition "submit a copy of EIA-EMP {approved by MoEF (GoI)} to RCOM, IBM, Udaipur. (iv) Modified Mining Plan along with PMCP approved vide Letter No. 682(23) (717)/2009-MCCM (N) UDP, dated 22/07/2015 for five year periods (2015-16 to 2019-20) without any specific condition. (v) Modified Mining Plan along with PMCP approved vide Letter No. 684(4) (1)/MP-14/2019-GNR, dated 11/04/2017 for three year periods (2017-18 to 2019-20) without any specific condition. (vi) Review of Mining Plan along with PMCP approved on last occasion 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.
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 (2020-2021)	Actual work (2020-2021)	Remarks
1a	Backlog of previous year	Nil	Not Applicable	<i>Records of bore - holes in Form-J is submitted vide Letter No. GSCL/Mines/Form-J/9852, dt. 03/09/2020.</i>
1b	Exploration over lease area for Geological axis 1 or 2.	No. of Bore Holes: 04 Meter age: 54 mtr.	Accordingly, 04 bore-holes are drilled up to 54mtr.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Agency: B.K. Diamond Core Drilling Syndicate Co., Rajkot Gujarat), Expenditure: Rs. 1.08 lakh	
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	Lime stone (in million tonnes) 3.4476 (111), 6.0100 (122) 1.0900(221), 1.2100 (222), 5.3800 (333) Total – 17.1376	Lime stone (in million tonnes) 3.7374 (111), 6.0100 (122) 1.0900(221), 1.2100 (222), 5.3800 (333) Total – 17.4274	
1f	General remarks of inspecting officer on geology, exploration etc.	Drilling of BH has been done as per approved MP.		

2.0 Development

S. No.	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	Limestone: (1) From 2306861N to 2307313N & (2) 659337E to 660030E	Limestone: (1) From 2306861N to 2307313N & (2) 659337E to 660030E	
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 carried 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	Pit No. 1A, 1B, 2 & 3	Pit No. 1B, 2 & 3		
3b	Quantity of ROM mineral production proposed	Limestone: 1000000 tonnes	Limestone: 710254.303 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	25.8442 Ha	20.2267 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- 25.8442 Ha Road/Building: 1.5702 Ha Top Soil: 0.0000 Ha Green Belt: 2.0000 Ha	Pit- 20.2267 Ha Road/Building: 1.5702 Ha Top Soil: 0.0000 Ha Green Belt: 2.0000 Ha		
3p	Production of ROM mineral during last five-year period, as applicable	Period	Production	Production	Deviation has been observed due to encroachment & quality.
		Limestone (in tonnes)			
		2016-17	272000.000	49127.000	
		2017-18	1000000.000	269827.030	
		2018-19	1000000.000	265018.080	
		2019-20	1000000.000	577341.560	
		2020-21	1000000.000	710254.303	
		<i>Date of Commencement of Mining operation:</i> 07/02/2017			
3q	General remarks of inspecting officer on method of mining etc.	Method of mining opted is O/C as per approved MP.			

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	Concurrently utilized in Plantation work	Concurrently utilized in Plantation work	
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			

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	
5b	Area under backfilling of mined out area	Not proposed	Not required	
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 back filling has been done.		

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 Annexure-20 .	Annual report on PMCP shall be submitted, before 1 st day of July'2020.	Accordingly PMCP Report will be submitted before 1 st 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) 0.5 Hect (iii) 500 nos. (iv) 2000 nos. (v) Nil (vi) Rs. 25,000/-	(i) Nil (ii) 0.5 hect. (iii) 572 nos. (iv) 2087 nos. (v) Nil (vi) Rs. 30,000/-	

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			

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	Lime stone: 1000000.000 tonnes	Lime stone: 767466.693 tonnes	
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	There is no beneficiary issue reported at the time of 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 are	The mine is surrounded by village and local people reside there.		

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 th day of every month. Annual Return will be submitted before 1 st day of July'2021.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME & Geologist Present at the time of inspection	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings – 20227 Ha. Occupied by plant, buildings, residential, welfare buildings & roads – 1.570 Ha. Other Purpose (Plantation (Cumulative area)) – 2.00 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year – 572, Survival Rate – 70%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No Mineral Reject Reported.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening Stock - 57212.390 (Cement grade)	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	In this regard, Violation Letter received vide IBM Letter No. GUJ/GIR/LST-002/463, dated 24/03/2021. In response to Violation reply submitted vide Letter No. GSCL/MINES/2020-21/430, dated 31 st /05/2021.	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ₹) 6178247513	
9k	Scrutiny of Annual return on mining machineries	SURFACE MINER – 01 WHEEL LOADER – 01 TIPPER – 08 WATER TANKER - 01	

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

Naman Ekka
SMG