

1/6/2022

MCDR INSPECTION REPORT

I. GENERAL		Details
No.	Particulars	
1	Name of the Mine	Morasa-Vavdi Limestone Mine
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

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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, Sidheeagram, Off Verava 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 (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. -

S. No.	Item	Proposals (2021-2022)	Actual work (2021-2021)	Remarks
	Exploration			
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 Proposed	Not required	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Not required	
1e	Balance reserves as on 01.04.2022	Lime stone (in million tonnes) 2.358 (111), 2.187 (122) 0.964 (221), 0.659 (222), 4.508 (333) Total - 10.676	Lime stone (in million tonnes) 3.103 (111), 2.187 (122) 0.964 (221), 0.659 (222), 4.508 (333) Total - 11.421	
1f	General remarks of inspecting officer on geology, exploration etc.	Found satisfactory.		

2.0 Development

S. No.	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	(1) From 2306866N to 2307635N & (2) 659230E to 660030E	(1) From 2306984N to 2307298N & (2) 658971E to 659387E	
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.	Mine is not in operation due to low demand from plant side.		

3.0 Exploitation

S. No.	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit No. 1A, 1B, 3 & 4	Pit No. 1A, 1B, 4 & 5	
3b	Quantity of ROM mineral production proposed	Limestone: 1000000 tonnes	Limestone: 638937.060 tonnes	Entire ROM is utilising by proper blending from outsource Limestone
3c	Recovery of saleable/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	32.6573 Ha	22.9562 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- 32.6573 Ha Road/Building: 1.5702 Ha Top Soil: 0.0000 Ha Green Belt: 2.5000 Ha	Pit- 22.9562 Ha Road/Building: 1.5702 Ha Top Soil: 0.0000 Ha Green Belt: 2.5000 Ha		
3p	Production of ROM mineral during last five-year period, as applicable	Period	Production	Deviation has been observed due to encroachment & quality.	
		Limestone (in tonnes)			
		2017-18	1000000.000		269827.030
		2018-19	1000000.000		265018.080
		2019-20	1000000.000		577341.560
		2020-21	1000000.000		710254.303
2021-22	1000000.000	638937.060			
		<i>Date of Commencement of Mining operation:</i> 07/02/2017			
3q	General remarks of inspecting officer on method of mining etc.	Within limits.			

4.0 Solid Waste Management-Dumping

S. No.	Item	Proposals (2021-22)	Actual work (2021-22)	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	None.		

5.0 Solid Waste Management-Backfilling

S. No.	Item	Proposals (2021-22)	Actual work (2021-22)	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	None.		

6.0 Progressive Mine Closure Plan

S. No.	Item	Proposals (2021-22)	Actual work (2021-22)	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'2022.	PMCP Report found submitted.	
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) 0.500Hect (iii) 500 nos. (iv) 2500 nos. (v) Nil (vi) Rs. 25,000/-	(i) Nil (ii) 0.500 hect. (iii) 600 nos. (iv) 2687nos. (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	Plantation is satisfactory.		

7.0 Mineral Conservation			
S. No.	Item	Proposals (2021-22)	Actual work (2021-22)
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Lime stone: 1000000.000 tonnes	Lime stone: 638937.060 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	Benching etc. found satisfactory.	

8.0 Environment				
S. No	Item	Proposals (2021-22)	Actual work (2021-22)	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	None		

9.0 Compliance of Rule 45			
S. No	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	In time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Satisfactory.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Satisfactory.	
9d	Scrutiny of Annual return on afforestation	Satisfactory.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Satisfactory.	

	Scrutiny of Annual return on ROM stock and/or graded ore	Satisfactory.	
	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Satisfactory.	
9i	Scrutiny of Annual return on fixed assets	Satisfactory.	
9k	Scrutiny of Annual return on mining machineries	Satisfactory.	

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

Date of issue of violation letter	Date of receipt of reply, if any
<p>Proposed location of excavation to be marked in Annual Plan has been observed, rectified during inspection.</p> <p>Further no significant violation observed.</p>	