

**MCDR INSPECTION REPORT****1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Dharampur Kajawadri Limestone Mine
1(b)	Name of inspecting officer & Designation	Sunil Kumar Sharma (Senior Assistant Controller of Mines, IBM)
1(c)	Accompanying Mines Representatives	Mr.S.B.Prasad (Mines Manager)
1 (d)	Type of Inspection	Star Rating / MCDR
1 (e)	Date of Inspection	23.12.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	14.619 Ha (Non Forest)
3	Mine code	38GUJ08065
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/265/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Nirma Ltd., Nirma House, Ashram Road, Near Income Tax, Ahmedabad. Phone No. 07927546565
6	Village	Dharampur
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360576
10	State	Gujarat
11	Post office	Dharampur
12	Nearest police station	Udhyognagar, Porbandar
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	05.03.1975
15	Date of Execution	31.12.1975
16	Date of opening of Mine	31.12.1975
17	Date of first Renewal, if applicable and its period & expiry	20.04.1994
18	Date of second Renewal, if applicable and its period & expiry	28.07.2014 Date of Expiry 31.03.2030
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Period extended as per MMDR amendment act 2015 section 8A(5)(6) up to 31/03/2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Ashish K Desai, Whole time Director, Saurashtra Chemical Division of Nirma Ltd. Porbandar Date of Appointment: 11/10/2024
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Manish D Patel, Mines Agent, Saurashtra Chemical Division of Nirma Ltd. Porbandar Date of Appointment: 27/05/2020
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Shashi Bhusan Prasad, Mines Manager, Saurashtra Chemical Division of Nirma Ltd. Porbandar Date of Appointment: 16/08/2008
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Rahul Gedia (Mining Engineer) Saurashtra Chemical, Division of Nirma Ltd. Porbandar Date of Appointment: 05/02/2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Shri Mehul Sharma, Geologist, Saurashtra Chemical, Division of Nirma Ltd. Porbandar
25	Date of Approval of Mining Plan/Modified Mining Plan/Review of mining plan with	Letter No.684(4)(1)/MP-325/2020-21-MDRD(U)/GNR Dt-18.03.2021

	five-year period and specific condition in approval letter, if any.	Period: 2021-22 to 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	N.A.
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)	Mechanised
30	Captive/Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

### **Exploration**

Exploration				
SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	11 boreholes	11 bore holes	Violation observed under 48(1)
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Nil	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	-
1e	Balance reserves/ resources as on 01.04.2024	UNFC code	Reserves/ Resources	-
		111	495767	
		121	30600	
		221	117222	
		222	4800	
		331	610966	
		333	66200	
		Total	1,325,555	
1f	General remarks of inspecting officer on geology, exploration etc.	Violation observed under rule 48(1), the reserves and resources has not been updated and not been kept the record in Form J.		

### **2.0 Development**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	571285 E to 571430 E 2397438 N to 2397570 N	571335 E to 5713317 2397550 N to 2397542 N	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m <sup>3</sup>	No proposal	Nil	-
2e	Quantity of overburden generation in m <sup>3</sup>	No proposal	Nil	-
2f	General remarks of inspecting	The deposit is flat bedded. Area is almost free from		

	officer on development of pit w.r.t. type of deposit etc.	Over-burden. Development of pit is satisfactory.
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### 3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	01 Pit	01 pit (Area of Pit-1: 3.714 Ha.)	
3b	Quantity of ROM mineral production proposed	22000 tonne	24.400 tonne	Less captive requirement
3c	Recovery of saleable/ usable mineral from ROM production	90% 19800 tonne	100% 24.400 tonne	-
3d	Quantity of mineral reject generation	No Proposal	Nil	-
3e	Grade of mineral reject generation and threshold value declared	52.67 % CaO	52.67 % CaO	-
3f	Quantity of sub-grade mineral generation	2200 tonne (undersize)	Nil	-
3g	Grade of sub-grade mineral generation	Undersize Chemical Grade Limestone	Undersize Chemical Grade Limestone	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	Yes	Nil	-
3k	Provision of mining machineries in mineral benches	Yes	Rock breaker-01 Shovel: 01 Dumper: 01	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes Bench Height: 3m	-
3m	Total area covered under excavation/pits	10.006 Ha	9.820 Ha	-
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	-
3o	Total area put in use under different heads at the end of year	Pit: 10.006 Ha Roads: 0.0989 Ha Area put to use: 10.0989 Ha.	Pit-9.820 Ha. Infrastructure-0.260 Ha. Area put to use: 10.08 Ha.	-
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 22000 t 2020-21: 22000 t 2021-22: 22000 t 2022-23: 22000 t	2019-20: 20130.48 t 2020-21: 3288.655 t 2021-22: 2660.35 t 2022-23: 8846.8 t 2023-24: 24.4 t	-

		2023-24: 22000 t		
3q	General remarks of inspecting officer on method of mining etc.	During the inspection mine was not working.		

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

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Nil	-
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Nil	-
4c	Number of dumps within lease area and outside lease area	No Proposal	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	-
4e	Number of active & alive dumps	No Proposal	Nil	-
4f	Number of dead dumps	No Proposal	Nil	-
4g	Number of dumps stabilized	No Proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	-
4j	Number of settling ponds	No Proposal	Nil	-
4k	Specific comments of inspecting officer	Mining area is devoid of OB. No solid waste generated during the year.		

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

SN	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	Nil	-
5b	Area under backfilling of mined out area	No Proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	-
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling is not practical as there is no overburden in the area. No solid waste generated during the year.		

#### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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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.	Yes	Yes Submitted along with Annual Return 2023-24 (Dated: 13.06.2024)	-
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) 0.1 Ha iii) 100 No. iv) - v) No vi) ₹10,000/-	i) Nil ii) 0.1Ha iii) 100 No. iv) 500 No. v) - vi) -	-
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		Nil	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Nil	No waste Land is available within lease area
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air Monitoring, Water quality monitoring and Noise monitoring	Ambient Air Monitoring, Water quality monitoring and Noise monitoring is being done on half yearly basis and soil monitoring on yearly basis.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP work is found satisfactory.		

## 7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	22000	24.4	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sorted	Chemical grade:	Chemical grade:	-

	out at mines	Oversize >=25mm Under size < 25mm	Oversize >=25mm Under size < 25mm	
7d	Any beneficiation process at mines	No Proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Manual sorting of chemical grade limestone is carried out on the basis of physical size.		

### 8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Nil	-
8b	Concurrent use or storage of topsoil	No Proposal	Encountered soil has used in plantation.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Mined out pits will be utilized as rain water storage	Pits are being used for rain water harvesting	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 Plants 0.1 Ha.	100 Plants 0.1 Ha.	-
8g	Survival rate	80%	50 %	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on road is being done through water tanker	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The aesthetic beauty in and around mines are good. Local species and bushes are found around the mines.		

### 9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted upto till date– up to Nov -2024 - 04.12.2024 A.R. submitted upto till date- up to 2023-24- 13.06.2024	-
S.N.	Item	Observation of Inspecting officer in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri Shashi Bhusan Prasad (Mines Manager) Shri Rahul Gedia ( Mining Engineer) Shri Mehul Sharma (Geologist)	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered Under Current working- 9.820 Ha/ Afforestation/ plantation -0.1 Ha Infrastructure: 0.26 Ha.	-
9d	Scrutiny of Annual return on afforestation	Afforestation/ plantation – 0.1 Ha. No. of trees planted : 100 No.	-

9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock: 53682.06 tonnes (Chemical Grade)	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	1) Ex. Mine prise Rs. 413.60/- per tonne 2) Cost of production on 413.60/-	-
9i	Scrutiny of Annual return on fixed assets	-	-
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic): 1 (1.2 m <sup>3</sup> capacity) Dumper: 1 (10 tonne capacity)	-

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

- (1) Drone survey data has been analysed and found as per SOP.
- (2) No compliance is pending for earlier violations
- (3) During the inspection, following violations have been observed.

नियम सं.	उल्लंघन के प्रकार का विस्तृत ब्यौरा
45(5)(c)	The following deficiencies have been found in the scrutiny of the annual return submitted by you for 2023-24 – In point No. 2 of Part-VI( Production, Dispatch & Stock) data on ROM production was provided nil where as chemical grade production was reported 24.4 tonnes, which seems illogical.
48(1)	The holder of a mining lease or the holder of a prospecting licence or composite licence shall keep a record in Form-J of all shafts or boreholes and shall retain such records and preserve the samples of the strata passed through for a period of not less than twelve months after the completion of the work. In your case such record was not found.

सुनील कुमार शर्मा  
वरिष्ठ सहायक खान नियंत्रक