

## MCDR INSPECTION REPORT

## 1.0 GENERAL

S.No	Particulars	Details
1 (a)	Name of the Mine	Dharampur Kajawadri Limestone Mine
1(b)	Name of Inspecting Officer & Designation	Naman Ekka SMG
1(c)	Accompanying Mines Representatives	Shri Shashi Bhushan Prasad Mines Manager
1(d)	Type of Inspection	Star Rating
1(e)	Date of Inspection	11/12/2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 18.21 હા.
3	Mine Code	38GUJ08269
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/238/2011
5	Name of the lessee, Address, phone, email and fax number	Nirma Ltd. Division of Saurashtra Chemicals Porbandar Gujarat - 360 576 Phone : 0286 – 2242479, Fax number : 0286– 2245431 Email – nirma_pbr@nirma.co.in
6	Village	Dharampur
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360 560
10	State	Gujarat
11	Post office	Dharampur
12	Nearest police station	Porbandar
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	30.03.1964
15	Date of Execution	30.03.1964
16	Date of opening of Mine	21.11.1978
17	Date of first Renewal, if applicable and its period & expiry	30.03.1984
18	Date of second Renewal, if applicable and its period & expiry	21.03.2003
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Extended up to 31.03.2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. Shailesh V Sonara Phone : 0286 – 2242479, Fax number : 0286– 2245431 Email – mines@nirma.co.in
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Manish D Patel Phone : 0286 – 2242479, Fax number : 0286– 2245431 Email – mines@nirma.co.in
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Shashi Bhushan Prasad Phone : 0286 – 2242479, Fax number : 0286– 2245431 Email – quarry_pbr@nirma.co.in
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 Phone : 0286 – 2242479, Fax number : 0286– 2245431 Email – quarry_pbr@nirma.co.in
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)MP-234/2019MDRD(N)GNR, Dated 12.07.2019

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	MCDR-MPCP0CaFl/9/2022-GNR-IBM_RO_GNR dated 25/01/2023
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)	A (OTFM)
30	Captive/Non Captive	Captive

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

**1.0 Exploration**

SN	Item	Proposals 2023-24	Actual	Remarks
1a	Backlog of previous year	NIL	N.A	
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	N.A	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	N.A	
1e	Balance reserves as on 01.04.2023.	935449.00 Tonnes (UNFC 111, 121, 122)	935449.00 Tonnes (UNFC 111, 121, 122)	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire area has been explored in G1 Category.		

**2.0 Development**

SN	Item	Proposals 2023-24	Actual	Remarks
2a	Location of development w.r.t. lease area	Pit 1 and Pit 3	No work has been carried out in Proposed Location.	Working was proposed in location 21° 40' 04.24" N 69° 41' 09.30" E  4 Pits have been observed within the lease area - 21° 40' 00.29" N 69° 41' 10.09" E, 21° 39' 58.96" N 69° 41' 08.04" E,  21° 39' 55.94" N 69° 41' 08.00" E,  21° 40' 09.04" N 69° 41' 03.42" E  All the pits were water logged.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NIL	N.A	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	1	1	
2e	Quantity of overburden generation in m3	NIL	N.A	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The deposit is flat bedded. Area is almost free from overburden. Development of pit is satisfactory.		

**3.0 Exploitation**

S N	Item	Proposals 2023-24	Actual	Remarks
3a	Number of pits proposed for production	02	02	
3b	Quantity of ROM mineral production proposed	15000.96 tonnes	387 tonnes	Less captive requirement.
3c	Recovery of saleable/usable mineral from ROM production	90 %	90 %	
3d	Quantity of mineral reject generation	NIL	N.A	
3e	Grade of mineral reject generation and threshold value declared	NIL	N.A	
3f	Quantity of sub-grade mineral generation	1500 tons (Undersize material)	35 tons	
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	N.A	N.A	
3j	Provision of drilling & blasting in mineral benches	Yes	No	
3k	Provision of mining machineries in mineral benches	Yes	As per proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	12.88 ha	12.88 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- 12.88 ha Plantation- 1.35 ha Others- 1.28 ha	Pit- 12.88 ha Plantation- 1.35 ha Others- 1.28 ha	
3p	Production of ROM mineral during last five-year period, as applicable (in tons)	2019-20:24000 2020-21: 24000 2021-22: 24000 2022-23 - 24000 2023-24 – 15000	2019-20: 5034.685 2020-21: 5820.12 2021-22: 8949.83 2022-23 - 10265 2023-24 – 387	Production is less due to decrease demand of plant.
3q	General remarks of inspecting officer on method of mining etc.	Mining is done with the help of Rock-breaker. Working method is satisfactory.		

**4.0 Solid Waste Management-Dumping**

S N	Item	Proposals 2023-24	Actual	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NIL	N.A	Mining area is devoid of OB.
4b	Location of topsoil, OB & mineral reject dumps	NIL	N.A	
4c	Number of dumps within lease area and outside lease area	NIL	N.A	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	N.A	
4e	Number of active & alive dumps	NIL	N.A	
4f	Number of dead dumps	NIL	N.A	
4g	Number of dumps stabilised	NIL	N.A	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	N.A	

4i	Length of Retaining wall or garland drain all along dump	NIL	N.A	
4j	Number of settling ponds	NIL	N.A	
4k	Specific comments of inspecting officer	Area is free from OB. Limestone is outcropping in the area.		

### 5.0 Solid Waste Management-Backfilling

S N	Item	Proposals 2023-24	Actual	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	Partial	
5b	Area under backfilling of mined out area	NIL	N.A	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	N.A	Utilized for plantation.
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling is not practical as there is no overburden in the area.		

### 6.0 Progressive Mine Closure Plan

S N	Item	Proposals 2023-24	Actual	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Yes submitted with AR	
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	NIL 0.15 ha 300 NIL	N.A 0.15 ha 460 NIL	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	NIL	NA	No reclamation is proposed by backfilling as waste material is not available.

	ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring (air quality, water quality & noise level) shall be done regularly.	Regular monitoring has been carried out.	Within limit.

6f	General remarks of inspecting officer on PMCP compliance & progressive	Work for PMCP is satisfactory.
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**7.0 Mineral Conservation**

S N	Item	Proposals 2023-24	Actual	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Rom Mineral Dispatch	Rom Mineral Dispatch	Undersize limestone has stacked at pit floor.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Undersize chemical grade limestone.	Undersize chemical grade limestone.	
7d	Any beneficiation process at mines	NIL	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Manual sorting is done.		

**8.0 Environment**

S N	Item	Proposals 2023-24	Actual	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NIL	1m <sup>3</sup>	Used in plantation.
8b	Concurrent use or storage of topsoil	NIL	Encountered soil has used in plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	N.A	There is no dump in the area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	N.A	
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 44)	300 plants	Total no. of trees at the end of the year - 1760	
8g	Survival rate	80%	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Achieved.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	General mine environment is good.		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to- December 2024 A.R. submitted for the year 2023-24		
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer- Sh. Rahul Gediya Geologist- Sh. Govind khatri	Mining engineer- Sh. Rahul Gediya Geologist- Sh. Govind khatri	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 12.88 ha Plantation- 1.35 ha Others- 1.28 ha		

9d	Scrutiny of Annual return on afforestation	460	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical grade: Opening stock 64969.00 tonne Closing stock – 64582.00 tonne	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹413.60	
9i	Scrutiny of Annual return on fixed assets	₹ 1458	
9k	Scrutiny of Annual return on mining machineries	Shovel, Front end loader, Dumper	

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

कोई उल्लंघन नहीं पाया गया। 3 स्टार में मूल्यांकन किया गया। ड्रोन डेटा का विश्लेषण किया गया है और DDMS पोर्टल पर टिप्पणियाँ प्रस्तुत की गई हैं; डेटा का विश्लेषण करके MIDPAS पोर्टल पर प्रस्तुत किया गया है।

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Naman Ekka  
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