

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

<b>SN</b>	<b>Particulars</b>	<b>Details</b>
1 (a)	Name of the Mine	Dharampur-Kajawdri Limestone Mine
1(b)	Name of Inspecting Officer	Snehalkumar Patel, Asst. Mining Engineer
1(c)	Type of Inspection	MCDR/SDF
1(d)	Date of Inspection	19-12-2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 40.46 HA. Forest land – 0.0 Non Forest land – 40.46 HA.
3	Mine-code	38GUJ21038
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/238/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Nirma Limited. Nirma House, Ashram Road, Near Income Tax, Ahmedabad (Gujarat) +91-9825320090, E-mail: mines@nirma.co.in
6	Village	DHARAMPUR
7	Taluka/Mandal	Porbandar
8	District	Porbandar
9	Pin code	360575
10	State	Gujarat
11	Post office	Porbandar
12	Nearest police station	Porbandar
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	24-12-1959
15	Date of Execution	24-12-1959
16	Date of opening of Mine	24-12-1959
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	18-10-2017 extended till 31-03-2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sh. Shailesh V Sonara, F1, Shivani Flats, Opp. Azad Society Road, B H Sahjanand Road, Ambawadi, Ahmedabad-380 015, Gujarat, 9825320090, E-mail: mines@nirma.co.in
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	--
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Shashi Bhusan Prasad (Mining Engineer) Saurashtra Chemical, Division of Nirma Ltd. Porbandar Mo.-9638014109, mines@nirma.co.in DoA: 01-04-2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Rahul Gedia (Mining Engineer) Saurashtra Chemical, Division of Nirma Ltd. Porbandar Mo.-9638014109, mines@nirma.co.in DoA: 01-04-2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Milan Zala (Geologist) Saurashtra Chemical, Division of Nirma Ltd. Porbandar Mo.-9638014109, mines@nirma.co.in DoA: 01-11-2023
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1. Letter no: 682(23)553/95-MCCM( N)UDP dated 11-06-1996 (MP) Period: 1996-97 to 2000-01 2. Letter no: 682(23) MS-161/2002MCCM (N) UDP dated 09-04-2003 (SOM) Period: 2002-03 to 2006-07 4. Letter no: 682(23)M.S.387/2007 MCCM(N)-UDP dated 18-09-2007 (SOM) Period: 2007-08 to 2011-12 5. Letter no: 682(23)M.S.384/2007 MCCM(N)-UDP dated 19-11-2012 (SOM) Period: 2012-13 to 2016-17 5. Letter no: 684(4)(1)/MP-89/2017 dated 02-02-2018(RMP) Period: 2017-18 to 2018-19 6. Letter no: 684(4)(1)/MP-227/2019-20 dated 10-06-2019 (RMP) Period: 2019-20 to 31-2023-24
26	Date of Approval of Review of Mining/Modified Review of Mining with five-year period and specific condition in approval letter, if any.	Letter no: MCDR-MPCP0CaFI/55/2023-GNR IBM_RO_GNR MP-523 dated 18-01-2024 (RMP) Period: 2024-25 to 31-2028-29

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)	Category A Mechanised
30	Captive/Non Captive	Captive

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

### 1.0 Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	2019-20 04BH	Done.	G1- 40.46 Ha. G2-0 Ha. G3-0 Ha. G4-0 Ha.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Entire lease area has been explored in G1.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Agency : M K Soil Testing Laboratory Pvt Ltd.	As reported exploration has been done by Agency.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Entire lease area has been explored in G1	
1e	Balance reserves as on 31.03.2024 (in Mio. Metric Tonne)	111- 1062609 T 121- 1879441 T 221- 78644 T 222- 99777 T 333- 125221 T		
1f	General remarks of inspecting officer on geology, exploration etc.	All lease area explored under G1 category.		

### 2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	N 2397600 to E 2397450	N 2397600 to E 2397450	Pit-1 13.25 ha. Pit-2 7.24 ha. Pit-3 8.99 ha. Pit-4 2.7 ha. Pit-5 0.7 ha. Pit-6 0.63 ha.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	Nil	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are about 6 number of mine pits are existed. Outcropped limestone.		

### 3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	01, Bench 1 of Pit No. 01	01	
3b	Quantity of ROM mineral production proposed	200000 T	935.55 T	
3c	Recovery of saleable/usable mineral from ROM production	85%	935.55 T (100%)	
3d	Quantity of mineral reject generation	20000 T	0 T (Dispatched 935.55 T)	
3e	Grade of mineral reject generation and threshold value declared	Below +25mm to - 100mm size.	NIL	
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	
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	Yes	Nil	

	mineral benches			
3k	Provision of mining machineries in mineral benches	Rock Breaker, Shovel and Dumpers	Rock Breaker, Shovel and Dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Overburden In Mineral, bench height- 3.0m and bench width- 6 to 20 m	Height- 2.0 Width-6m in minerals.	
3m	Total area covered under excavation/pits	--	Approx. 37 Ha	As per Annual return
3n	Ore to OB ratio for the pit/mine during the year	1:00	1:00	
3o	Total area put in use under different heads at the end of year	Pit-34.17 Ha Mineral Storage-0.77 Ha Infrastructure & Road- 0.71 Ha Other & Greenbelt (Plantation)-2.00 Ha	Pit-33.51 Ha Mineral Storage (Waste/reject)-0.980 Ha Infrastructure-0.710 Ha Plantation-2.460 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20- 200000 T 2020-21- 200000 T 2021-22- 200000 T 2022-23 -200000 T 2023-24- 200000 T	2019-20- 23176.895 T 2020-21- 53238.380 T 2021-22- 57568.170 T 2022-23 -2891.840 T 2023-24- 935.550 T	
3q	General remarks of inspecting officer on method of mining etc.	Production is as per proposal and with limits. Method of working is loosing by rock breaker and Dumper combination.		

#### 4.0 Solid Waste Management-Dumping

No 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	NA	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	NA	
4c	Number of dumps within lease area and outside lease area	No proposal	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	NA	
4e	Number of active & alive dumps	No proposal	NA	
4f	Number of dead dumps	No proposal	NA	
4g	Number of dumps stabilised	No proposal	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	NA	
4i	Length of Retaining wall or garland drain all along dump	No proposal	NA	
4j	Number of settling ponds	No proposal	NA	
4k	Specific comments of inspecting officer	There is no proposal of overburden, topsoil and waste dump in the lease area.		

#### 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	Not Applicable	
5b	Area under backfilling of mined out area	No Proposal	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	No Proposal	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no proposal in the approved mining plan.		

#### 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 23E (2). Details should be given in the format as given in Annexure-20.	Proposed to submit with in time.	Yes, submitted along with Annual Return on 28-06-2024	As per annual returns
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) N.A. ii) 0.4 Ha iii) 400 Nos iv) Nil	i) N.A. ii) 0.4 Ha iii) 410 Nos iv) 3255 Nos	
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	No Proposal	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) No. of saplings planted during the year iii) Area rehabilitated (ha) iv) Method of rehabilitation	No Proposal	Nil	
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.	
6p	General remarks of inspecting officer on PMCP compliance & progressive	The PMCP returns are submitted on time as per the provision of Rule 26 of MCDR 2017 on 28.06.2024.		

## 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	1,70,000 T	935.55 Tonne	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not Applicable	Only Chemical grade
7c	Different grade of mineral sorted out at mines	No Proposal	Not Applicable	-
7d	Any beneficiation process at mines	No Proposal	Not Applicable	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine has no beneficiation issues. Negligible production w.r.t. proposal.		

## 8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NA	
8b	Concurrent use or storage of topsoil	No proposal	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining	No proposal	NA	

	operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No. of saplings planted during the year 100.	Approx 400 no of saplings planted(0.4 Ha area)	
8g	Survival rate	80%	3000 Plants cumulative till date.	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on road will be done through water tanker.	Water Sprinkling done on haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is good in and around mines area.		

#### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a.	Status of submission of Monthly and Annual returns	All the monthly returns for the year 2023-24 submitted. Annual return was submitted for the year 2023-24 on 13-06-2024	

S.N .	Item	Details Given in Annual return	Observation of I/c Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Kalpesh Padariya, Geologist:Smt. Charuben Solanki		Annual Returns for the year 2023-24 were submitted.  All the monthly returns from April 2023 to March 2024 (up to December 2024) submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit-33.51 Ha Mineral Storage (Waste/reject)-0.980 Ha Infrastructure-0.710 Ha Plantation-2.460 Ha		
9d	Scrutiny of Annual return on afforestation	410 nos of sapling within lease area survival rate :80%		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral reject generation reported	Mineral Reject is not reported in AR.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM O/S and C/S- Nil Chemical grade: Production- 935.55 T, Dispatch- 935.55 T		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value- Nil Ex. Mine price: Chemical Grade- 413.60 (₹/Tonne) Cost of production- 413.60/- per tonne		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic), Front end Loader, Dumper		

#### 10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - As per office record No violations pending. Presently no significant violation observed & pointed out.

- The Drone data has been submitted on 28-06-2024 & The Drone data has been examined and returned to the party as it has not been submitted as per SOP.
- Self-assessment date of Star Rating is 29-06-2024 and Rating given the Lessee is 4. It has been evaluated and given 4 Star.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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