

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Dharampur - Kajawdri Limestone Mines
1(b)	Name of inspecting officer & Designation	Shri Naman Ekka, Senior Mining Geologist
1(c)	Accompanying Mines Representatives	Mr. S.B.Prasad
1 (d)	Type of Inspection	Star Rating Evaluation
1 (e)	Date of Inspection	19.06.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	<b>14.61 HA. (Forest Area: Nil) (Non-forest Area: 14.61 HA)</b>
3	Mine code	38GUJ08065
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/2652011
5	Name of the lessee, Address, phone, email and fax number	Saurashtra Chemical, Division of Nirma Ltd. Porbandar
6	Village	Dharampur
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360560
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	
17	Date of first Renewal, if applicable and its period & expiry	20.04.1994 & 20 Year
18	Date of second Renewal, if applicable and its period & expiry	28.07.2014 & 20 Year
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 Sailesh V. Sonara, Executive Director, Saurashtra Chemical, Division of Nirma Ltd. Porbandar
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
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
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Shashi Bhusan Prasad (Mining Engineer) Saurashtra Chemical, Division of Nirma Ltd. Porbandar
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Mehul D Sharma, Geologist, Saurashtra Chemical, Division of Nirma Ltd. Porbandar

25	Date of Approval of Mining Plan/Modified Mining Plan/Review of mining plan with five-year period and specific condition in approval letter, if any.	Letter No. 684(4)(1)/MP-09/2017-MDRD(U)/GNR dtd. 31-03-2017 (2017-18 to 2020-21) & Letter No.684(4)(1)/MP-325/2020-21-MDRD(U)/GNR Dt-18.03.2021 (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(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	'A'
30	Captive/Non Captive	Captive

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

### **Exploration**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	N.A.	N.A.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N.A.	N.A.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	N.A.	
1e	Balance reserves as on 01.04.2021...	12,14,058 MT (As per UNFC 111,121 and 122) as per Annual return as on 01.04.2021	12,14,058MT (As per UNFC 111,121 and 122) as per Annual return as on 01.04.2021	
1f	General remarks of inspecting officer on geology, exploration etc.			

### **2.0 Development**

SN	Item	Proposals(2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	15S to 175S & 25E to 100E	15S to 175S & 25E to 100E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	N.A.	N.A.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m <sup>3</sup>	20	20	
2e	Quantity of overburden generation in m <sup>3</sup>	N.A.	N.A.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			

### **3.0 Exploitation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	22002	3288.655	Less captive requirement

3c	Recovery of salable/usable mineral from ROM production	80% ( 18702 MT)	80% (2998.655 MT)	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	N.A.	N.A.	
3f	Quantity of sub-grade mineral generation	2200	290	
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	YES	
3k	Provision of mining machineries in mineral benches	YES	YES	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There is no overburden in mining area and height of benches in mineral is suitable for method of Mining proposed in Mining Plan	There is no overburden in mining area and height of benches in mineral is suitable for method of Mining proposed in Mining Plan	
3m	Total area covered under excavation/pits	9.680 Ha	9.680 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-9.680 Plantation-0.600 Infrastructure-0.260 Remaining area-4.590		As per Annual return
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2016-17 22006 Yr 2017-18 22006 Yr 2018-19 22002 Yr-2019-20- 22001 Yr-2020-21- 22002	Yr-2016-17 16856.670 Yr-2017-18 20584.310 Yr-2018-19 17394.835 Yr-2019-20 20130.480 Yr-2020-21- 3288.655	
3q	General remarks of inspecting officer on method of mining etc.	Mining is done with the use of rock breaker and occasionally done drilling and blasting as per requirement.		

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

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	N.A.	N.A.	
4b	Location of topsoil, OB &		Undersize	

	mineral reject dumps	N.A.	Limestone stacked at pit floor	
4c	Number of dumps within lease area and outside lease area	NIL	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	N.A.	
4e	Number of active & alive dumps	N.A.	N.A.	
4f	Number of dead dumps	N.A.	N.A.	
4g	Number of dumps stabilized	N.A.	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	NO	NO	
4i	Length of Retaining wall or garland drain all along dump	N.A.	N.A.	
4j	Number of settling ponds	N.A.	N.A.	
4k	Specific comments of inspecting officer			

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

SN	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	Partial	partial	
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Use for Plantation	Use for Plantation	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

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

SN	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.	YES	YES	
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) 0.2 Ha iii) 200 Nos iv) No v) No vi)	i) N.A. ii) 0.2 Ha iii) 600 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 reclamation is proposed by means of backfilling as no waste material is available	No reclamation is proposed by means of backfilling as no waste material is available	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No waste Land is available within lease area	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			

### **7.0 Mineral Conservation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	22002	3288.655	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Only undersize Limestone is available as subgrade mineral and stacked at pit floor	Only undersize Limestone is available as subgrade mineral and stacked at pit floor	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

### **8.0 Environment**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	N.A.	N.A.	
8b	Concurrent use or storage of topsoil	Use for Plantation	Use for Plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	No Proposal	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	N.A.	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 41)			
8g	Survival rate	100 %	50 %	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on road will be done through water tanker	Water sprinkling on road will be done through water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date –up to May--2022-05.06.2022 A.R. submitted up to till date- up to 2020-21-19.06.2021		
S.N	Item	Details GIVEN in A.R.(2020-21)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri Shashi Bhusan Prasad (Mines Manager) Shri Shashi Bhusan Prasad ( Mining engginer) Shri Mehul D Sharma (Geologist)		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered Under Current working- 9.680 Ha/ Afforestation/ plantation -0.6 Ha	Covered Under Current working- 9.680 Ha/ Afforestation/ plantation -0.6 Ha	
9d	Scrutiny of Annual return on afforestation	Afforestation/ plantation -0.6 Ha	Afforestation/ plantation -0.6 Ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Subgrade or Undersize Limestone 10 % of ROM (2200 Mt)	290 Mt	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	22002 Mt	3288.655 Mt	
9g	Scrutiny of Annual return on sale value, Ex. Mine	Ex.Mine Prise Rs.385.60/- per tonne	1) Ex. Mine prise Rs. 385.60/- per tonne	

	price & production cost	Cost of production 385.60/- per tonne	2) Cost of production on 385.60/-	
9i	Scrutiny of Annual return on fixed assets	Nil	Nil	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	

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