

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Bharwada Limestone Mines
1(b)	Name of inspecting officer & Designation	Shri. Naman Ekka, SMG
1(c)	Accompanying Mines Representatives	Mr D.K.Singh
1 (d)	Type of Inspection	Star Rating
1 (e)	Date of Inspection	13/01/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	20.94 Ha. (Forest Area: Nil) (Non-forest Area: 20.94 Ha)
3	Minecode	38GUJ21029
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/265/2011
5	Name of the lessee, Address, phone, email and fax number	Saurashtra Chemical, Division of Nirma Ltd. Porbandar, Phone : 02862242479 Fax: 02862245431 E mail: quarry_pbr@nirma.co.in
6	Village	Bharwada
7	Taluka/Mandal	Porbandar
8	District	Porbandar
9	Pincode	360576
10	State	Gujarat
11	Post office	Bharwada
12	Nearest police station	Bagvadar, Porbandar
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	30.03.1967
15	Date of Execution	30.03.1967
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable and its period & expiry	30.03.1987 for 20 year
18	Date of second Renewal, if applicable and its period & expiry	06-06-2006 Under process
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 Phone No: 07927549000, Fax No: 07927546603, Email: mines@nirma.co.in
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Manish D Patel, Mines Agent, Saurashtra Chemical, Division of Nirma Ltd, Porbandar Phone : 02862242479 Fax: 02862245431 E mail: quarry_pbr@nirma.co.in
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Not-appointed, due to mines not working since long.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not-appointed, due to mines not working since long.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Not-appointed, due to mines not working since long.
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-90/2018-GNR Dt-. 13.02.2018 (2017-18 to 2021-22)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining / review of Mining Plan with five-year period and specific condition in approval letter, if any.	Letter No. 684(4)(1)/MP-382(90)/2021-22 Dated. – 24/02/2022 for 2022-23 to 2026-27
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 (2021-22)	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Proposal was for 2018-19 of 13 BH
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	N.A.	
1e	Balance reserves as on 01.04.2022...	2,83,293 MT (As per UNFC 111,121 and 122) as per mining plan as on 01.04.2017	2,83,293MT (As per UNFC 111,121 and 122) as per annual return as on 01.04.2022	
1f	General remarks of inspecting officer on geology, exploration etc.	No Exploration has been carried out during 2021-22 till the date of inspection. Mine is Temporary Discontinued		

**2.0 Development**

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit -8	Not done.	Mine is Temporary Discontinued
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Not done	
2c	Stripping ratio or ore to OB ratio	1:0	Not Done	
2d	Quantity of topsoil generation in m3	No Proposal	Not Done	
2e	Quantity of overburden generation in m3	No Proposal	Not Done	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mining lease area is developed by degraded mine pit & is fully water logged.		

**3.0 Exploitation**

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	Pit -8	Not Done	
3b	Quantity of ROM mineral production proposed	9400	Not done	
3c	Recovery of salable/usable mineral from ROM production	7990	NA	
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	940	NA	
3g	Grade of sub-grade mineral generation	Undersize Chemical Grade Limestone	Undersize Chemical Grade Limestone	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
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	N.A.	N.A.	
3k	Provision of mining machineries in mineral benches	YES	NIL	
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 RMP		

3m	Total area covered under excavation/pits	2.254 Ha	1.94 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-2.254 Ha Waste/reject-0.015Ha Road-0.39 Others-18.281 Ha Plantation- 0.40 Ha	Pit-1.194 Ha Waste/reject – 0.015 Ha Road-0.39 Others-19.341 Ha Plantation- not done.	Mine is Temporarily Discontinued
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2017-18- 2350 Yr 2018-19- 9400 Yr-2019-20- 9400 Yr 2020-21 – 9400 Yr 2021-22-9400	NIL	Not done.
3q	General remarks of inspecting officer on method of mining etc.	Mining has not been carried out during 2021-22 and till date. Mine is Temporary Discontinued		

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

SN	Item	Proposals (2021-22)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	N.A.	N.A.	
4b	Location of topsoil, OB & mineral reject dumps	N.A.	NIL	
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	NIL	NIL	
4f	Number of dead dumps	N.A.	N.A.	
4g	Number of dumps stabilised	N.A.	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	N.A.	N.A.	
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	The mining lease area appears to be devoid of OB/Waste.		

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

SN	Item	Proposals (2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	NIL	
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)	Plantation	NIL	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mining lease area appears to be devoid of OB/Waste. Hence not applicable.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work	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.	To be submitted	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) N.A. ii) NO iii) NO iv) No v) No vi) No	i) N.A. ii) N.A. iii) N.A. iv) N.A. v) N.A. vi) N.A.	
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	Not done	
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	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air Monitoring, Water quality monitoring and Noise monitoring	Yearly report submitted.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mining has not been carried out during 2021-22 and till date. Mine is Temporary Discontinued.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	9400	Not Done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	NIL	
7c	Different grade of mineral sorted out at mines	Only undersize Limestone is available as sub-grade mineral and stacked at pit floor	NIL	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mining has not been carried out during 2021-22 and till date. Mine is Temporary Discontinued		

### 8.0 Environment

SN	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	N.A.	
8b	Concurrent use or storage of topsoil	Plantation	NIL	
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)	N.A.	N.A.	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on road will be done through water tanker	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mining lease area is degraded old pit & surrounding ML area is mostly agriculture land.		

#### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Online Monthly and Annual returns	A.R for 2021-22 submitted on 04/06/2022 M.R for December Submitted on 04/01/2023		
S.N	Item	Details GIVEN in A.R.(2021-22)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME - Agnivesh Singh Rathor Geologist - Govind Khatri	ME - Agnivesh Singh Rathor Geologist - Govind Khatri	Mining has not been carried out during 2021-22 and till date. Mine is Temporary Discontinued
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered Under Current working- 1.194 Ha/ Afforestation/ plantation - nil	Covered Under Current working- 1.194 Ha/ Afforestation/ plantation -nil	
9d	Scrutiny of Annual return on afforestation	Afforestation/ plantation - NIL	Afforestation/ plantation -NIL	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	22 tonne	22 tonne	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Mine not working	Mine not working	
9i	Scrutiny of Annual return on fixed assets	Not provided	Nil	
9k	Scrutiny of Annual return on mining machineries	SHOVEL (HYDRAULIC) Dumper	SHOVEL (HYDRAULIC) Dumper	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Rule 33.

Date: 02/02/2023

**(Naman Ekka)**  
Senior Mining Geologist