

1/2016/2022

MCDR INSPECTION REPORT

1.0 **GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	धरमपुर काजावदरी चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री एस.बी.प्रसाद, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	16.11.2022 अपराह्न
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 40.4685 हे.
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	सौराष्ट्र केमीकल्स लि (निरमा लि. का प्रभाग) बिरलासागर, पोरबंदर (गुजरात) 360 576 Phone : 0286 – 2242479 Email - nirma_pbr@nirma.co.in Fax number : 0286- 2245431
6	Village	धरमपुर
7	Taluka/Mandal	राणावाव
8	District	पोरबंदर
9	Pincode	360 560
10	State	गुजरात
11	Post office	धरमपुर
12	Nearest police station	उधोगनगर, पोरबंदर
13	Nearest Railway station	राणावाव
14	Date of Grant of Mining Lease	20.11.1959
15	Date of Execution	24.12.1959
16	Date of opening of Mine	01.08.1977
17	Date of first Renewal, if applicable and its period & expiry	लागू नहीं
18	Date of second Renewal, if applicable and its period & expiry	लागू नहीं
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	श्री शैलेश वी. सोनारा बिरलासागर, पोरबंदर (गुजरात) 360 576 Phone : 0286 – 2242479 Email - nirma_pbr@nirma.co.in Fax number : 0286- 2245431
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री मनीष डी. पटेल बिरलासागर, पोरबंदर (गुजरात) 360 576 Phone : 0286 – 2242479 Email - nirma_pbr@nirma.co.in

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		Fax number : 0286- 2245431
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री शशि भूषण प्रसाद बिरलासागर, पोरबंदर (गुजरात) 360 576 Phone : 0286 - 2242479 Email - nirma_pbr@nirma.co.in Fax number : 0286- 2245431
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री शशि भूषण प्रसाद बिरलासागर, पोरबंदर (गुजरात) 360 576 Phone : 0286 - 2242479 Email - nirma_pbr@nirma.co.in Fax number : 0286- 2245431, खनन अभियांत्रिकी (स्नातक), 22 वर्ष 11.12.2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	हां।
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-227/2019-20 दिनांक 10.06.2019
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	--
27	Mineral(s) granted in lease and proved for mining	चूनापत्थर
28	Method of Mining(Open cast, Underground)	Open cast
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 (2021-22)	Remarks
1a	Backlog of previous year	4 Bore hole	4 Bore hole has been drilled.	Bore hole done was proposed to be done in 2019-20
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area	As per proposal.	Entire area has been explored in G1.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	N.A	
1e	Balance reserves as on 01.04.2022.	2945877 Tonnes (UNFC 111, 121, 122)	2945877 Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Lessee's effort towards exploration is satisfactory.		

2.0 Development

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SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	N 2397600 to 2397400 E 570580 to 570320	As per proposal.	
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	NIL	20	
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.	Development of pit is satisfactory.		

3.0 Exploitation

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	3	3	
3b	Quantity of ROM mineral production proposed	200000 tonnes	57568.170 tonnes	Less captive requirement.
3c	Recovery of saleable/usable mineral from ROM production	85%	85%	
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	9615 tonnes	4980 tonnes	
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	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	33.51 ha	33.51 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- 33.51 ha Waste/reject- 0.770 ha Infrastructure- 0.710ha	Pit- 33.51 ha Waste/reject- 0.770 ha Infrastructure- 0.710ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 200000 tonne 2018-19: 200000 tonne 2019-20: 200000 tonne	2017-18: 122782.640 tonne 2018-19: 159755.765 tonne 2019-20: 23176.895 tonne	Production decreased due to decrease demand of plant.

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		2020-21: 200000 tonne 2021-22: 200000 tonne	2020-21: 52238.38 tonne 2021-22: 57568.17 tonne	
3q	General remarks of inspecting officer on method of mining etc.	Mining is done with the help of Rock-breaker. Drilling/blasting is done occasionally. Working method is satisfactory.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2021-22)	Actual work (2021-22)	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.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2021-22)	Actual work (2021-22)	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 (2021-22)	Actual work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted on 24.06.2022	
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	NIL 0.3 ha 300 NIL	N.A 0.3 ha 880 NIL ₹664300/-	

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	v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year			
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	NA	
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.		

7.0 Mineral Conservation

S N	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	200000 tonne	57568.17 tonne	
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 (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NIL	N.A	
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	Pits are being used for rain water harvesting.	

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		storage.		
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	300 plants	880 plants	
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- October, 2022 A.R. submitted for the year 2021-22 on 02.06.2022	

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. Shashi Bhusan prasad Geologist- Sh. Mehul sharma	Mining engineer- Sh. Shashi Bhusan Prasad Geologist- Ashish prajapati	Form H submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 33.51 ha		
9d	Scrutiny of Annual return on afforestation	880		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	4980 t		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical grade: Opening stock 111732.61 tonne Closing stock – 116712.61 tonne		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹385.60		
9i	Scrutiny of Annual return on fixed assets	--		
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:-

पिछले निरीक्षण दिनांक 09.03.2021 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, कोई उल्लंघन नहीं पाया गया। मूल्यांकन के पश्चात खान के Points 86% से 81% रहे हैं।

दिनांक : 30.11.2022

(मनीष गुप्ता)

सहायक खान नियंत्रक