

I/39653/2024

**MCDR INSPECTION REPORT**

1.0

**GENERAL**

S.No	Particulars	Details
1	Name of the Mine	भोद चूनापत्थर खान
1(a)	Name of Inspecting Officer & Designation	मनीष गुमा, सहायक खान नियंत्रक
1(b)	Accompanying Mines Representatives	श्री संदीप श्रीवास्तव, खान प्रबंधक
1(c)	Type of Inspection	स्टार रेटिंग
1(d)	Date of Inspection	09.08.2024
1(e)	Total Lease Area (Ha) with breakup of Non-forest and forest land	71.52 हे. (Non Forest)
2	Mine Code	38GUJ08026
3	IBM Registration Number under rule 45 of MCDR, 1988	IBM/238/2011
4	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, Fax number : 0286– 2245431 Email – <a href="mailto:nirma_pbr@nirma.co.in">nirma_pbr@nirma.co.in</a>
5	Village	भोद
6	Taluka/Mandal	राणावाव
7	District	पोरबंदर
8	Pincode	360 560
9	State	गुजरात
10	Post office	भोद
11	Nearest police station	राणावाव, पोरबंदर
12	Nearest Railway station	राणावाव
13	Date of Grant of Mining Lease	19.09.1964
14	Date of Execution	12.11.1979
15	Date of opening of Mine	01.04.1980
16	Date of first Renewal, if applicable and its period & expiry	--
17	Date of second Renewal, if applicable and its period & expiry	--
18	Date of submission of renewal application if Mining Operations are continuing under deemed extension	राज्य सरकार के पत्र संख्या MCR-1568 (S-11)-3742 दि. 02.02.2018 के द्वारा दिनांक 31.03.2030 तक वैध
19	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, Fax number : 0286– 2245431 Email – <a href="mailto:mines@nirma.co.in">mines@nirma.co.in</a> , 10.06.2013
20	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, Fax number : 0286– 2245431 Email – <a href="mailto:mines@nirma.co.in">mines@nirma.co.in</a> , 27.05.2020
21	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री संदीप श्रीवास्तव बिरलासागर, पोरबंदर (गुजरात) 360 576 8094004256, Fax number : 0286– 2245431 Email – <a href="mailto:quarry_pbr@nirma.co.in">quarry_pbr@nirma.co.in</a> , 18.03.2023
22	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	वही
23	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 &	हां।

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	57.	
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-243/2019 MDRD(N)GNR, दिनांक 16.10.2019 2019-20 से 2023-24
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(Opencast, Underground)	Opencast
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 work (2023-24)	Remarks
1a	Backlog of previous year	NIL	07	
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	G1: 71.52 हे. G2: NIL G3: NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	In-house	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.04.2024	1705222 टन	2715316 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	पूर्व में 28 Bore hole लगाए गए हैं। वर्ष 2023-24 के लिए पूर्वक्षण प्रस्ताव नहीं हैं, किन्तु 07 Bore hole लगाए गए हैं। निर्धारित प्रपत्र में दिनांक 11.03.2023 को सूचना दे दी गयी है। कार्य की स्थिति संतोषजनक है।		

#### 2.0 Development

SN	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit- 1, 3, 6	Pit- 1, 3	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
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.	पट्टा क्षेत्र में कुल 06 Pit विकसित कर Development उचित तरीके से किया गया है। पट्टा क्षेत्र में Top soil, overburden नहीं है।		

#### 3.0 Exploitation

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
3a	Number of pits proposed for production	03	02	
3b	Quantity of ROM mineral production proposed	4,00,000 टन	2,05,745.89 टन	

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3c	Recovery of saleable/usable mineral from ROM production	3,20,000 टन	1,11,445.89 टन	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	80,000 टन	94,300 टन	नियम 11(1) का उल्लंघन दिया गया है।
3g	Grade of sub-grade mineral generation	Undersize limestone.	Undersize 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	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	NIL	NIL	
3k	Provision of mining machineries in mineral benches	Shovel, Front end loader, dumper	Shovel, Front end loader, dumper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.0 मी.	3.0 मी.	
3m	Total area covered under excavation/pits	59.02 हे.	59.15 हे.	
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- 59.02 हे. Waste disposal/Stack- 5.08 हे. Others- 1.54 हे.	Pit- 59.15 हे. Waste disposal/Stack- 4.52 हे. Others- 1.54 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 400000 टन 2020-21: 400000 टन 2021-22: 400000 टन 2022-23: 400000 टन 2023-24: 400000 टन	2019-20: 257721.565 टन 2020-21: 162107.74 टन 2021-22: 159533.715 टन 2022-23: 205075.925 टन 2023-24: 205745.89 टन	उत्खनित खनिज का उपयोग स्वयं के संयंत्र में क्या जाता है। संयंत्र की कम मांग के कारण उत्पादन कम हुआ है।
3q	General remarks of inspecting officer on method of mining etc.	Rock-breaker का उपयोग कर Shovel, Front end loader, dumper की सहायता से कार्य किया जा रहा है। कार्य की स्थिति संतोषजनक है।		

#### 4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	NIL	NIL	
4b	Location of topsoil, OB & mineral reject dumps	NIL	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)	NIL	NIL	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps stabilised	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	

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4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	खान पर OB, dump नहीं है। कुछ मात्रा में उत्पन्न Top soil वृक्षारोपण के काम में ली गयी है।		

**5.0 Solid Waste Management-Backfilling**

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Yes	Yes	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान पर Backfilling के लिए Waste material उपलब्ध नहीं है। खनन योजना में Pit को Rain water harvesting के लिए उपयोग करने का प्रस्ताव दिया गया है। Pit अभी सक्रिय हैं।		

**6.0 Progressive Mine Closure Plan**

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	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	NIL	NIL	
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	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	500 Fencing- 631 मी.	950 Fencing- 650 मी.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation किया गया है। PMCP कार्य की प्रगति संतोषजनक है।		

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**7.0 Mineral Conservation**

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	4,00,000 टन	2,05,745.89 टन	.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	-100 मिमी.	-100 मिमी.	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Undersize chemical grade limestone को एकत्र कर रखा गया है।		

**8.0 Environment**

S N	Item	Proposals (2023-24)	Proposals (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	NIL	NIL	
8b	Concurrent use or storage of topsoil	Concurrent	Concurrent	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
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)	500	950	
8g	Survival rate	80%	85%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	खान पर Top soil बहुत कम मात्रा में है। पट्टाधारक द्वारा वृक्षारोपण किया गया है। खान और आस-पास की Aesthetic beauty ठीक है।		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	माह जुलाई, 2024 की मासिक विवरणी दि. 05.08.2024 को जमा की गयी। वर्ष 2023-24 की वार्षिक विवरणी दि. 13.06.2024 को जमा की गयी।		
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	श्री संदीप श्रीवास्तव, खनन अभियंता श्री गोविंद खत्री, भू वैज्ञानिक	श्री संदीप श्रीवास्तव, खनन अभियंता श्री गोविंद खत्री, भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 59.15 हे. Waste disposal/Stack- 4.52 हे. Others- 1.54 हे.	Pit- 59.15 हे. Waste disposal/Stack- 4.52 हे. Others- 1.54 हे	Waste disposal/Stack का सचयी आंकड़ा एक साथ दिया गया है। Stack को अलग से दिखाने के लिए उल्लंघन दिया गया है।

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9d	Scrutiny of Annual return on afforestation	950	950	
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	480547.00 टन	480547.00 टन	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost: ₹ 424.60	Contractor rate बढ़ने के कारण पिछले वर्ष से कुछ अधिक है।	
9i	Scrutiny of Annual return on fixed assets	₹ 1342432	उचित प्रतीत होती है।	
9k	Scrutiny of Annual return on mining machineries	Shovel, Front end loader, dumper	Shovel, Front end loader, dumper	

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

पिछले निरीक्षण दिनांक 05.11.2023 में नियम संख्या 11(1), 45(5)(सी) read with 45(7) का उल्लंघन पाया गया था। इन दोनों नियमों की अनुपालना दिनांक 31.05.2024 को हो गई है। वर्तमान निरीक्षण तारक मूल्यांकन जांच के लिए किया गया। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। दिनांक 03.09.2024 को मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान 4 स्टार रही है। निरीक्षण के समय नियम संख्या 11(1), 45(5)(सी) read with 45(7) का उल्लंघन पाये जाने पर दिनांक 11.09.2024 को उल्लंघन पत्र प्रेषित किया गया है।

गांधीनगर

( मनीष गुसा )  
सहायक खान नियंत्रक  
भारतीय खान ब्यूरो