

MCDR INSPECTION REPORT**1.0 GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	नखाडा चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री पी.मुरलीमोहन, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	05.12.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	77.8012 हे. (Non Forest)
3	Mine Code	38GUJ08271
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5292/2011
5	Name of the lessee, Address, phone, email and fax number	जी.एच.सी.एल. लि. सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 02870-281482, 281483, Email - mining@ghcl.co.in
6	Village	नखाडा
7	Taluka/Mandal	वेरावल
8	District	गिर सोमनाथ
9	Pincode	362275
10	State	गुजरात
11	Post office	रामपरा
12	Nearest police station	प्रभास पाटन
13	Nearest Railway station	सोमनाथ
14	Date of Grant of Mining Lease	11.08.1986
15	Date of Execution	05.01.1987
16	Date of opening of Mine	05.01.1987
17	Date of first Renewal, if applicable and its period & expiry	04.01.2037 तक वैध
18	Date of second Renewal, if applicable and its period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	--
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री रमन चोपड़ा बी - 38, इंडस्ट्रियल एरिया, सैक्टर - 1, नोएडा (उ.प्र.) Phone : 9811121750 email - r Chopra@ghcl.co.in , 07.05.2012 से
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री मनीष कुमार GHCL लि., सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 93288 49666 email - manishkumar@ghcl.co.in , 06.02.2014 से
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री पी.मुरलीमोहन GHCL लि., सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 90990 93070 email - murlimohan@ghcl.co.in , 01.07.2011 से
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री पी.मुरलीमोहन GHCL लि., सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 90990 93070 email - murlimohan@ghcl.co.in , 01.07.2011 से

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24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	हाँ
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-371/2021-22MDRD(N)/GNR, दिनांक 08.02.2022 2022-23 से 2026-2027
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 (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	--	G1- 77.8012 हे. G2- 0.0 G3- 0.0	
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	NIL	
1e	Balance reserves as on 01.04.2023	1127645 टन	1144190 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 09 Trial pit तथा 25 बोर होल लगाए गए हैं। कार्य की स्थिति संतोषजनक है।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit- 2, 2A, 4, 5, 6, 13, 10 21, 22,	Pit- 2, 2A, 4, 5, 6, 13, 10 21, 22,	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	NO OB in lease area.
2d	Quantity of topsoil generation in m3	NIL	NIL	Top soil is marginal in lease area.
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.	Overall layout of benches found in order.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	09	09	
3b	Quantity of ROM mineral production proposed	99834 टन	83289 टन	
3c	Recovery of saleable/usable mineral from ROM production	93844 टन	78769 टन	

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3d	Quantity of mineral reject generation	5990 टन	4520 टन	यह -25 मिमी. Size Limestone है जो Soda ash उत्पादन के काम में नहीं आता है। इसे पट्टा क्षेत्र में एकत्र कर रखा गया है।
3e	Grade of mineral reject generation and threshold value declared	-25 मिमी.	-25 मिमी.	CaCO ₃ <88% SiO ₂ >5.5%
3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	NIL	NIL	
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	Yes Dumper, Truck, Wheel loader, Shovel	Yes Dumper, Truck, Wheel loader, Shovel	
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	20.74 हे.	8.460 हे.	12.28 हे. Reclaimed किया गया है।
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	पट्टा क्षेत्र में OB नहीं है।
3o	Total area put in use under different heads at the end of year	Pits: 8.460 हे. Infrastructure & Road: 2.2 हे.	Pits: 8.460 हे. Infrastructure & Road: 2.2 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 88639 टन 2019-20: 90528 टन 2020-21: 87460 टन 2021-22: 88599 टन 2022-23: 99834 टन	2018-19: 84400 टन 2019-20: 87883 टन 2020-21: 86952 टन 2021-22: 85483 टन 2022-23: 83289 टन	
3q	General remarks of inspecting officer on method of mining etc.	Rock breaker, tipper combination तरीके से निर्धारित लक्ष्य के अंदर कार्य किया गया है।		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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	Area is free from OB.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	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	NIL	NIL	

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	drain all along dump			
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	वर्ष के दौरान पूर्व से सक्रिय Pits में कार्य किया गया है। पट्टा क्षेत्र में OB, dump नहीं है।		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	NIL	उत्खनित Top soil को वृक्षारोपण के काम में लिया जाता है।
5d	Total area fully reclaimed & rehabilitated	NIL	12.28 हे.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	पट्टा क्षेत्र में केमिकल ग्रेड चूनापत्थर उपलब्ध है। केमिकल ग्रेड चूनापत्थर के कारण भूमि खेती संबंधी कार्यों के लिए उपयोगी नहीं होती है। केमिकल ग्रेड चूनापत्थर निकालने के बाद बाहर से मिट्टी ला कर डालने पर वह भूमि उपयोगी हो जाती है। कुल 12.28 हे. उत्खनित क्षेत्र को इस प्रकार Reclaim किया गया है।		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	As per rule	Submitted on 2106.2023	
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	0.3 हे. 200 -- Fencing- 210 मी.	0.3 हे. 200 3062 Fencing- 210 मी.	
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	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	खान पर कुल 12.28 हे. क्षेत्र को Reclaim कर उपयोगी बनाया गया है।		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	Size sorting only.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	+25 मिमी. से 100 मिमी.	+25 मिमी. से 100 मिमी.	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM स्वयं के संयंत्र में काम लिया जाता है। under Size Limestone को पट्टा क्षेत्र में एकत्र कर रखा गया है।		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	Yes	Very thin layer of top soil present in lease area.
8b	Concurrent use or storage of topsoil	Concurrent use	Concurrent use	पूर्व में उत्पन्न top soil पौधारोपण के काम ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	NIL	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	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	NIL	NIL	
8g	Survival rate	60%	54%	दिनांक 23.01.24 को नियम 11(1) का उल्लंघन भेजा गया था। दिनांक 29.02.24 को अनुपालना हो गयी है।
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	Very thin layer of Top soil occurred. The aesthetic environment of lease area is good.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	माह जनवरी, 2024 की मासिक विवरणी दिनांक 05.03.24 को जमा की गयी। वर्ष 2022-23 की वार्षिक विवरणी दिनांक 01.06.2023 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 पी.मुरलीमोहन, खनन अभियंता श्री आर.के पाठक, भू वैज्ञानिक	श्री पी.मुरलीमोहन, खनन अभियंता श्री आर.के पाठक, भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc	Opencast working: 8.460 हे. Plant, road, others: 2.20 हे.	Opencast working: 8.460 हे. Plant, road, others: 2.20 हे.	

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9d	Scrutiny of Annual return on afforestation	200	200	
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	4474.00 टन	4474.00 टन	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production: 591.30	Cost of production: 591.30	
9i	Scrutiny of Annual return on fixed assets	8,90,000.00	8,90,000.00	कुल राशि में संयंत्र, मशीन तथा आवासीय परिसर की राशि जोड़ी गयी है।
9k	Scrutiny of Annual return on mining machineries	Dumper- 02 Truck- 15 Wheel loader- 01 Shovel- 02	Dumper- 02 Truck- 15 Wheel loader- 01 Shovel- 02	

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

पिछले निरीक्षण दिनांक 03.08.2022 में नियम 33 read with 31(4) तथा 34A(1) read with 34A(5) का उल्लंघन पाया गया था, दिनांक 19.05.2023 को इनकी अनुपालना हो गयी है। वर्तमान निरीक्षण स्टार रेटिंग जांच के लिए किया गया। दिनांक 21.12.2023 को स्टार रेटिंग मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान 4 स्टार रही है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। नियम 11(1) का उल्लंघन पर जाने पर दिनांक 23.01.2024 को उल्लंघन पत्र भेजा गया था, दिनांक 29.02.2024 को इसकी अनुपालना हो गयी है।

गांधीनगर:
दिनांक:

(मनीष गुप्ता)
सहायक खान नियंत्रक