

MCDR INSPECTION REPORT**1.0 GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	भीमदेवल चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री विनोद कुमार, खान प्रबंधक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	04.08..2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	56.3517 हे. (Non Forest)
3	Mine Code	38GUJ08348
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	भीमदेवल
7	Taluka/Mandal	सूत्रापाडा
8	District	गिर सोमनाथ
9	Pincode	362275
10	State	गुजरात
11	Post office	सूत्रापाडा
12	Nearest police station	सूत्रापाडा
13	Nearest Railway station	सोमनाथ
14	Date of Grant of Mining Lease	05.06.2007
15	Date of Execution	15.09.2008 (14.09.2058 तक वैध)
16	Date of opening of Mine	13.11.2009
17	Date of first Renewal, if applicable and its period & expiry	--
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 विनोद कुमार GHCL लि., सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 90990 93139 email - vinodkumar@ghcl.co.in , 02.12.2023 से
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री विनोद कुमार GHCL लि., सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 90990 93139, email - vinodkumar@ghcl.co.in खनन अभियांत्रिकी (स्नातक), 02.12.2023 से
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying	हाँ

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	out their duties as per rule 56 & 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-206/2019-21MDRD(N)/GNR, दिनांक 04.03.2019 2019-20 से 2023-2024
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- 56.3517 हे.	
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	1130141 टन	1141847 टन	
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। खान पर 04 Prospecting pit तथा 52 बोर होल लगाए गए हैं।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit- 2, 3, 5, 7	Pit- 2, 3, 5, 7	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	Top soil is marginal in lease area.
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	
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.	खनिज निक्षेप के अनुसार खनन Pit प्रस्ताव के अनुसार विकसित की गयी हैं।		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	04	04	
3b	Quantity of ROM mineral production proposed	41871 टन	39824 टन	
3c	Recovery of saleable/usable mineral from ROM production	39336 टन	37435 टन	
3d	Quantity of mineral reject generation	2535 टन	2389 टन	
3e	Grade of mineral reject generation and threshold value declared	+25 मिमी. से 100 मिमी.	+25 मिमी. से 100 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	

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3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	
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	Yes	Rock breaker, tipper combination.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3.0-4.0 मी.	3.0 मी.	
3m	Total area covered under excavation/pits	11.114 हे.	11.114 हे.	
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	Mining: 11.114 हे. Infrastructure & Road: 2.34 हे.	Mining: 11.114 हे. Infrastructure & Road: 2.34 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 166731 टन 2019-20: 41861 टन 2020-21: 41887 टन 2021-22: 41954 टन 2022-23: 41871 टन	2018-19: 36508 टन 2019-20: 38781 टन 2020-21: 38681 टन 2021-22: 40405 टन 2022-23: 39824 टन	
3q	General remarks of inspecting officer on method of mining etc.	Rock breaker, tipper combination के द्वारा 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 drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	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	

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5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान Backfilling के लिए Mature नहीं है तथा Filling material उपलब्ध नहीं 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 21.06.2023	
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	0.4 हे. 200 220 मी.	0.4 हे. 257 220 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 3.05 हे. क्षेत्र में वृक्षारोपण किया गया है।		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NIL	
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।		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
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8a	Separate removal and utilization of topsoil (Rule 36)	NIL	NIL	Very thin layer of top soil present in lease area.
8b	Concurrent use or storage of topsoil	NIL	NIL	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%	65.75%	
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	M.R. Submitted up to- जुलाई, 2023 का 04.08..24 को A.R. submitted for the year 2022-23 on 29.05.23	

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 विनोद कुमार, खनन अभियंता सुश्री खुशब् - भू वैज्ञानिक	श्री विनोद कुमार, खनन अभियंता सुश्री खुशब् - भू वैज्ञानिक	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc	Opencast working: 11.114 हे. Infrastructure & Road: 2.34 हे.	Opencast working: 11.114 हे. Infrastructure & Road: 2.34 हे.	
9d	Scrutiny of Annual return on afforestation	257	257	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	2389 टन	2389 टन	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0.0	0.0	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production: 578.26	उचित प्रतीत होती है।	
9i	Scrutiny of Annual return on fixed assets	3377700.00	3377700.00	कुल परिसंपत्ति में संयंत्र, आवासीय परिसर तथा मशीन की कीमत जोड़ी गयी है।
9k	Scrutiny of Annual return on mining machineries	Wheel loader, Tractor, Truck, Rock breaker	Wheel loader, Tractor, Truck, Rock breaker	

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

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पिछले निरीक्षण दिनांक 03.08.2022 में नियम संख्या 33 read with 31(4), 34A(1) read with 34A(5) तथा 45(7) का उल्लंघन पाया गया था, दिनांक 17.05.23, 26.10.23 को इनकी अनुपालना हो गयी है। वर्तमान निरीक्षण स्टार रेटिंग जांच के लिए किया गया। दिनांक 01.11.2023 को स्टार रेटिंग मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान 5 स्टार में रही है। निरीक्षण के समय खनन कार्य होता हुआ नहीं पाया गया। वर्तमान निरीक्षण में कोई Significant उल्लंघन नहीं पाया गया।

गांधीनगर:

दिनांक:

(मनीष गुप्ता)

सहायक खान नियंत्रक