

MCDR INSPECTION REPORT**1.0 GENERAL**

S.No	Particulars	Details
1(a)	Name of the Mine	हरनासा चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री आर.के.पाठक, भू वैज्ञानिक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	11.11.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest – 141.853 हे.
3	Mine Code	38GUJ08155
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 : 02876 – 263401, Fax number : 02876 – 263480 Email - rkpathak@ghcl.co.in
6	Village	हरनासा
7	Taluka/Mandal	सूत्रापाडा
8	District	गिर सोमनाथ
9	Pincode	362 275
10	State	गुजरात
11	Post office	लाटी
12	Nearest police station	सूत्रापाडा
13	Nearest Railway station	सोमनाथ
14	Date of Grant of Mining Lease	09.12.1985
15	Date of Execution	15.04.1986
16	Date of opening of Mine	15.04.1986
17	Date of first Renewal, if applicable and its period & expiry	15.04.2036 तक विस्तारित
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	लागू नहीं
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 : 98111 21750 email - rchopra@ghcl.co.in
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री मनीष कुमार सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 93288 49666 email - manishkumar@ghcl.co.in
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री देवानंद रॉय सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275

I/2334/2022

		Phone : 90990 93088, email - devanandroy@ghcl.co.in , 31.08.2009
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री देवानंद रॉय सूत्रापाडा, गिर सोमनाथ (गुजरात) 362 275 Phone : 90990 93088, email- devanandroy@ghcl.co.in , 31.08.2009, खनन अभियांत्रिकी (स्नातक)
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.	682(23)(430)/2005MDRD(एन)/उदय दिनांक 04.01.2017
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	12 Bore hole	12 Bore hole has been drilled.	
1b	Exploration over lease area for Geological axis 1 or 2.	G1 Axis	G1 Axis	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	By GHCL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.04.2022.	1860576 tonnes	1867870 tonnes	Chemical & cement grade.
1f	General remarks of inspecting officer on geology, exploration etc.	As per records entire area has been explored in G1 category.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	HA-1, HB-5, HC-4, HD-3, HE-3	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	N.A	
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

1/2334/2022

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	5	As per proposal	
3b	Quantity of ROM mineral production proposed	195945 tonnes	181269 tonnes	Less captive requirement.
3c	Recovery of saleable/usable mineral from ROM production	174391 tonnes	171009 tonnes	
3d	Quantity of mineral reject generation	11757 tonnes	10260 tonnes	
3e	Grade of mineral reject generation and threshold value declared	NIL	N.A	
3f	Quantity of sub-grade mineral generation	NIL	N.A	
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	No	Rock breaker used.
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	Bench height found suitable.	
3m	Total area covered under excavation/pits	44.2459 ha	44.2459 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- 44.2459 ha Mine road- 1.2, Infrastructure- 2.526	Pit- 44.2459 ha Mine road- 1.2, Infrastructure- 2.526	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 195382 tonne 2018-19: 195768 tonne 2019-20: 195071 tonne 2020-21: 195358 tonne 2021-22: 195945 tonne	2017-18: 156558 tonne 2018-19: 178307 tonne 2019-20: 183630 tonne 2020-21: 183603 tonne 2021-22: 181269 tonne	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is as per approved mining plan.		

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	Area is free from 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 14)	NIL	N.A	
4e	Number of active & alive dumps	NIL	N.A	

1/2334/2022

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 and dump.		

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	Part extraction	As per proposal.	
5b	Area under backfilling of mined out area	NIL	N.A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	NIL	N.A	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Total 12.9 hect. Area has reclaimed.		

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 12.05.2022	
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 v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NIL 0.25 ha 500 NIL	N.A 0.50 ha 1333 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	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	Environment	Regular	Within limit.

1/2334/2022

	monitoring (core zone & buffer zone)	monitoring (air quality, water quality & noise level) shall be done regularly.	monitoring has been carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP report has submitted on time as per the provision of rule 26 of MCDR, 2017. 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	NIL	N.A	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	N.A	
7c	Different grade of mineral sorted out at mines	NIL	N.A	
7d	Any beneficiation process at mines	NIL	N.A	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The chemical grade limestone is being used in own soda ash plant.		

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	Very thin layer of Top soil occurred.
8b	Concurrent use or storage of topsoil	3485 MT	3170 M.T	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)	NIL	N.A	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	--	1333	
8g	Survival rate	30 to 40%	68%	
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	The aesthetic environment of lease area is good. Around mine area agriculture is being practiced.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to- September, 2022 A.R. submitted for the year 2021-22 on 28.04.2022	

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. D.N.Roy Geologist- Sh. M.C.Upadhyay	Mining engineer- Sh. D.N.Roy Geologist- Sh. Chandan Kumar	Form H submitted.

I/2334/2022

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	44.24 ha	
9d	Scrutiny of Annual return on afforestation	1333	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	--	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical grade: Opening stock 7870.53 tonne Closing stock – 18130.72 tonne	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹ 570.68	
9i	Scrutiny of Annual return on fixed assets	₹ 1017000.00	
9k	Scrutiny of Annual return on mining machineries	Truck (10.00 tonne) - 18	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- पिछले निरीक्षण दिनांक 25.02.2022 में कोई उल्लंघन नहीं पाया गया था। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, मूल्यांकन के पश्चात खान के Points 86% से 82% रहे हैं। वर्तमान निरीक्षण में कोई उल्लंघन नहीं पाया गया है।

दिनांक : 28.12.2022

(मनीष गुप्ता)

सहायक खान नियंत्रक