

**MCDR INSPECTION REPORT****1.0 GENERAL**

S.No	Particulars	Details
1 (a)	Name of the Mine	लुम्बा चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	Sh. Dinesh Vainhs, Representative
1(d)	Type of Inspection	रिट्यू खनन योजना
1(e)	Date of Inspection	12.11.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.9271 हे. (Non Forest)
3	Mine Code	38GUJ08360/38GUJ08363
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/16872/2013
5	Name of the lessee, Address, phone, email and fax number	श्री लक्ष्मण जीवा मोरी सागर ट्रांसपोर्ट, निकट पुलिस स्टेशन, सूत्रापाडा जिला - गिर सोमनाथ (गुजरात) 92743 31841, laxmanmori150@gmail.com
6	Village	लुम्बा
7	Taluka/Mandal	वेरावल
8	District	गिर सोमनाथ
9	Pincode	361 315
10	State	गुजरात
11	Post office	वेरावल
12	Nearest police station	वेरावल
13	Nearest Railway station	वेरावल
14	Date of Grant of Mining Lease	18.09.2013
15	Date of Execution	18.09.2013
16	Date of opening of Mine	10.12.2013
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	लागू नहीं
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री लक्ष्मण जीवा मोरी सागर ट्रांसपोर्ट, निकट पुलिस स्टेशन, सूत्रापाडा जिला - गिर सोमनाथ (गुजरात) 92743 31841, laxmanmori150@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	वही
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री रोहित कुमार जादव सागर ट्रांसपोर्ट, निकट पुलिस स्टेशन, सूत्रापाडा जिला - गिर सोमनाथ (गुजरात) 70166 24276, 01.06.2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री रोहित कुमार जादव सागर ट्रांसपोर्ट, निकट पुलिस स्टेशन, सूत्रापाडा जिला - गिर सोमनाथ (गुजरात) 70166 24276, 01.06.2022

I/4108/2023

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-150/2018-MDRD(N)GNR दिनांक 29.06.2018
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)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A(OTM)
30	Captive/Non Captive	Non-Captive

### Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

#### 1.0 Exploration

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	NIL	N.A	Four boreholes have been drilled in 2020. Form – J submitted on 18.12.2020
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	N.A	
1e	Balance reserves as on 01.04.2022.	--	500597 टन (111)	
1f	General remarks of inspecting officer on geology, exploration etc.	Proposed exploration has been carried out.		

#### 2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	Pit - 1	As per proposal.	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	NIL	N.A	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	Mineral to waste ratio is 1:0.38
2d	Quantity of topsoil generation in m <sup>3</sup>	3788 मी. <sup>3</sup>	1000 मी. <sup>3</sup>	Used in plantation.
2e	Quantity of overburden generation in m <sup>3</sup>	NIL	N.A	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of pit has been carried out as per proposal. A quarry lease for mineral black trap has been sanctioned to same lessee in the lease area.		

#### 3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	One	As per proposal.	
3b	Quantity of ROM mineral production proposed	99990 टन	99800 टन	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	NIL	N.A	No mineral reject generation.
3e	Grade of mineral reject generation and	NIL	N.A	

I/4108/2023

	threshold value declared			
3f	Quantity of sub-grade mineral generation	NIL	N.A	No sub grade mineral in the area.
3g	Grade of sub-grade mineral generation	NIL	N.A	
3h	Manual / Mechanised method adopted for segregating from ROM	N.A	N.A	
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	No	N.A	
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	As per proposal.	
3m	Total area covered under excavation/pits	2.5 हे.	2.5 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	Pits- 2.5 हे.	Pits- 2.5 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 112740 टन 2018-19: 99990 टन 2019-20: 99990 टन 2020-21: 99990 टन 2021-22: 99990 टन	2017-18: 95000 टन 2018-19: 56668 टन 2019-20: 92500 टन 2020-21: 108220 टन* 2021-22: 99800 टन	* अधिक उत्पादन के लिए दिनांक 31.05.2022 को राज्य सरकार को पत्र भेजा गया है।
3q	General remarks of inspecting officer on method of mining etc.	Work has been done with the help of Rock breaker, Shovel/tipper combination.		

**4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	YES	YES	Generated Top soil has been used in plantation.
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	No Over burden, mineral rejects proposal & generation.		

**5.0 Solid Waste Management-Backfilling**

SN	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	N.A	N.A	
5b	Area under backfilling of mined out	NIL	N.A	Not matured for backfilling.

I/4108/2023

	area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent	As per proposal.	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	During inspection pits were found water logged. Rainwater collected in peat is being discharged in a well which is a good effort.		

**6.0 Progressive Mine Closure Plan**

SN	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	--	नियम 26(2) का उल्लंघन दिया जा रहा है।
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 -- 100 -- NIL	NIL -- 25* -- NIL	* नियम 11(1) का उल्लंघन दिया जा रहा है।
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	N.A	
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	Mined-out area after full extraction of mineral will be used as water reservoir. It will help to improve ground water level & quality.		

**7.0 Mineral Conservation**

SN	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	Chemical grade limestone has been dispatched to soda ash plant.
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	No beneficiation issue reported during inspection.		

I/4108/2023

Mineral conservation & beneficiation issues	
---	--

**8.0 Environment**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Concurrent use.	As per proposal.	Utilized in plantation.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NIL	N.A	
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	--	--	
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 satisfactory.		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. of October, 2022 Submitted on 01.11.2022 A.R. submitted for the year 2021-22 on 16.05.2022	

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. Bhagirath Singh Barad Geologist --	Mining engineer- Sh. Rohit Jadav Geologist – Sh. Gourav Sahu	Form – H submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2.5 हे.		
9d	Scrutiny of Annual return on afforestation	25		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0.0		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	₹ 370 is the production cost		
9i	Scrutiny of Annual return on fixed assets	--		
9k	Scrutiny of Annual return on mining machineries	--		

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

I/4108/2023

पिछले निरीक्षण दिनांक 12.03.2022 में नियम संख्या 11(1), 26(2), 33, 45(7) तथा 55(1) का उल्लंघन पाया गया था। इन नियमों की अनुपालना दिनांक 22.07.2022 को हो गई है। वर्तमान निरीक्षण रिट्यू खनन योजना के लिए किया गया। खान का स्टार रेटिंग मूल्यांकन कर दिया गया है। मूल्यांकन के पश्चात खान के Points 80.00% से 71.00% रहे हैं। वर्तमान निरीक्षण में नियम संख्या 11(1) तथा 26(2) का उल्लंघन पाया गया। उल्लंघन पत्र जारी करने की कार्यवाही की जा रही है।

दिनांक : 01.02.2023

( मनीष गुप्ता )  
सहायक खान नियंत्रक