

## MCDR INSPECTION REPORT

1.0 GENERAL

S.No	Particulars	Details
1(a)	Name of the Mine	लोढवा चूनापत्थर, मार्ल खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Representatives Mines	श्री मयूर गलोरीया, खान प्रबन्धक
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	11.10.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	505.6839 हे. (Non-forest)
3	Mine Code	38GUJ08365
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/447/2011
5	Name of the lessee, Address, phone, email and fax number	अंबुजा सीमेंट लि कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - <a href="mailto:md.office@ambujacement.com">md.office@ambujacement.com</a> Fax number : 02795 - 220328, 232032
6	Village	लोढवा
7	Taluka/Mandal	सूत्रापाडा
8	District	गिर-सोमनाथ
9	Pincode	362 715
10	State	गुजरात
11	Post office	सूत्रापाडा
12	Nearest police station	सूत्रापाडा
13	Nearest Railway station	वेरावल
14	Date of Grant of Mining Lease	18.11.2016
15	Date of Execution	04.01.2017
16	Date of opening of Mine	31.03.2017
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 अजय कपूर Elegant Business park, MIDC Andheri(East), Mumbai Tel - 022 4066700, Fax -022 30827790 e-mail - <a href="mailto:md.office@ambujacement.com">md.office@ambujacement.com</a>
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री एम.के.जैन अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - <a href="mailto:md.office@ambujacement.com">md.office@ambujacement.com</a> Fax number : 02795 - 220328, 232032,
22	Name of the Mines Manager with Address, phone, email, fax number	श्री मयूर गलोरीया

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	and date of appointment in mines	अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - <a href="mailto:md.office@ambujacement.com">md.office@ambujacement.com</a> Fax number : 02795 - 220328, 232032
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	श्री मयूर गलोरीया अंबुजा सीमेंट लि, कोडीनार, जिला - गिर सोमनाथ, गुजरात Phone : 02795 - 221137, 237011 Email - <a href="mailto:md.office@ambujacement.com">md.office@ambujacement.com</a> Fax number : 02795 - 220328, 232032
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.	684(4)(1)/MP-392(360)(15)/2021-22 GNR दिनांक 07.02.2022
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, मार्ल
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A Mechanized
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	NIL.	N.A	Two bore holes have been done.
1b	Exploration over lease area for Geological axis 1 or 2.	G-1 : 329.701 G-2 : 175.9829	As per proposal.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	N.A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	N.A	
1e	Balance reserves as on 01.04.2022.	88.29 million Tonnes	As per proposal.	
1f	General remarks of inspecting officer on geology, exploration etc.	--		

**2.0 Development**

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	During the year development has been proposed between grid line 664242E to 664564 E & 2305711N to	As per proposal.	

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		2305421N		
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil would be removed separately and concurrently used for plantation/horticultural activities.	As per proposal.	
2c	Stripping ratio or ore to OB ratio	There is no OB in the area.	--	
2d	Quantity of topsoil generation in m <sup>3</sup>	5350 m <sup>3</sup>	5000 m <sup>3</sup>	
2e	Quantity of overburden generation in m <sup>3</sup>	--	--	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Deposit has been developed properly.		

### 3.0 Exploitation

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Two	As proposed	
3b	Quantity of ROM mineral production proposed	1.5 million tonnes	980477.134 tonnes	
3c	Recovery of saleable/usable mineral from ROM production	95%	As proposed	
3d	Quantity of mineral reject generation	No any rejects	N.A	
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	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	Surface miner completely eliminates drilling blasting and primary crushing unit and thus reduces their associated environmental hazards.
3k	Provision of mining machineries in mineral benches	Surface miner, Hydraulic Excavator, Front end loader, Tippers	As per proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	The mine is being worked by surface miner without adoption of drilling & blasting.	As per proposal.	Surface miners cuts material with a cutting depth up to 350 MM. It creates very small benches of few centimetres.
3m	Total area covered under excavation/pits	7.37 ha	5.19 ha	
3n	Ore to OB ratio for the pit/mine during the year	N.A	NIL	

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3o	Total area put in use under different heads at the end of year	6.73 hect	3.233 hect	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 0.0 2018-19: 1.5 2019-20: 1.5 2020-21: 1.5 2021-22: 1.5	2017-18: 0.0 2018-19: 0.0 2019-20: 0.0 2020-21: 0.0 2021-22: 980477.134 tonnes	No working from 2017-18 to 2020-21
3q	General remarks of inspecting officer on method of mining etc.	Eco friendly mining with the help of Surface miner.		

#### 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)	Top soil : Proposed OB & Mineral reject : NIL	Yes N.A	Utilized for development of pasture land.
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	None.		

#### 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	NIL	N.A	
5b	Area under backfilling of mined out area	NIL	N.A	Not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	5350 m <sup>3</sup>	5000 m <sup>3</sup>	
5d	Total area fully reclaimed & rehabilitated	NIL	N.A	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling is not practical as there is no overburden in the area.		

#### 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	
6b	Management of worked/mined out benches			

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	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 1.00 ha 1000 -- NIL 10,00,000	N.A 0.30 ha 300 300 NIL 489561	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	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 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	--		

**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	Directly used in own plant.
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	Lessee's efforts towards conservation are satisfactory.		

**8.0 Environment**

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	5350 m <sup>3</sup>	5000 m <sup>3</sup> .	
8b	Concurrent use or storage of topsoil	Both	As per proposal.	
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	NIL	N.A	

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	restoring the land to its original use			
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)	1000 plants	300 plants	
8g	Survival rate	70%	80 %	
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 good.		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto- October, 2022 A.R. submitted for the year 2021-22 on 23.06.2022	

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- Jitendra Prasad kumawat Geologist- Roshan vishwakarma	Mining engineer- Sh. Mayur Galoriya Geologist- Sh. A.K.Jain	Form H submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 5.19 हे. Infrastructure- 3.233 हे.		
9d	Scrutiny of Annual return on afforestation	300		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	129450 tonnes		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs. 158.12 is the production cost		
9i	Scrutiny of Annual return on fixed assets	448606296.00		
9k	Scrutiny of Annual return on mining machineries	Surface miner- 2, Loader-2, Dozer-1, Tipper-40		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- पिछले निरीक्षण दिनांक 14.09.2021 के आधार पर दिनांक 24.03.2021 को नियम संख्या 11(1), 26(2) तथा 33 का उल्लंघन जारी किया गया था। इन नियमों की पालना दिनांक 18.01.2022 को हो गई है। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, मूल्यांकन के पश्चात खान के Points 90% से 88% रहे हैं। वर्तमान निरीक्षण में नियम 11(1) का उल्लंघन पाया गया है। उल्लंघन पत्र जारी करने की कार्यवाही की जा रही है।

I/2518/2023  
दिनांक : 23.12.2022

( मनीष गुप्ता )

सहायक खान नियंत्रक