

MCDR INSPECTION REPORT**1.0 GENERAL**

S.No	Particulars	Details
1 (a)	Name of the Mine	गोप - १ चूनापत्थर खान
1(b)	Name of Inspecting Officer & Designation	मनीष गुप्ता, सहायक खान नियंत्रक
1(c)	Accompanying Mines Representatives	श्री मलय राऊत (खान प्रबन्धक), श्री उमेश तिवारी (भू-वैज्ञानिक)
1(d)	Type of Inspection	स्टार रेटिंग
1(e)	Date of Inspection	13.11.2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	218.53 हे. (Non Forest)
3	Mine Code	38GUJ07011
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/95/2011
5	Name of the lessee, Address, phone, email and fax number	श्री दिग्विजय सीमेंट लि दिग्विजयग्राम, सिक्का, जामनगर (गुजरात) 0288 - 2344272-75, Fax number : 0288 - 2344092 info@digvijaycement.com
6	Village	गोप, जिनवारी
7	Taluka/Mandal	जाम जोधपुर
8	District	जामनगर
9	Pincode	360 515
10	State	गुजरात
11	Post office	गोप मोटी
12	Nearest police station	जाम जोधपुर
13	Nearest Railway station	गोप जाम
14	Date of Grant of Mining Lease	22.11.1945
15	Date of Execution	01.06.1958
16	Date of opening of Mine	01.06.1958
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	31.03.2030 तक विस्तारित
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	श्री के.के.राजीव नाम्बियार दिग्विजयग्राम, सिक्का, जामनगर (गुजरात) 0288 - 2344272-75, Fax number : 0288 - 2344092 rajeev.nambiar@digvijaycement.com , 01.11.2015
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	श्री आर. कृष्णा कुमार दिग्विजयग्राम, सिक्का, जामनगर (गुजरात) 0288 - 2344272-75, Fax number : 0288 - 2344092 krishnakumar@digvijaycement.com , 07.05.2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	श्री मलय राऊत दिग्विजयग्राम, सिक्का, जामनगर (गुजरात) 98619 69778 Fax number : 0288 - 2344092 malaykrout@digvijaycement.com , 07.08.2022
23	Name of the Mining Engineer, Qualification and total experience with	वही

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	Address, phone, email, fax number and date of appointment in mine	
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.	682(23)(MS-626)/2011-MCCM(N)UDP दिनांक 09.12.2016
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(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	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	4 DTH 7 Pits	4 DTH 7 Pits	Form – I submitted on 05-10-2021
1b	Exploration over lease area for Geological axis 1 or 2.	--	Up to G1 level.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	In house.	
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.	--	2.031050 Million Tonnes.	
1f	General remarks of inspecting officer on geology, exploration etc.	Proposed exploration has been carried out. Limestone exposed along foot hills and extending on the low flat areas. Geologically limestone is miliolite deposit.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual (2021-22)	Remarks
2a	Location of development w.r.t. lease area	2437822N to 2437413N 595635E to 594831E	As per proposal.	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	NIL	N.A	Top soil is negligible in the area.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	40 मी. ³	40 मी. ³	Used in plantation.
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 has been carried out as per proposal. Established on 06.11.1944 Digvijay cement is oldest cement plant of the country.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
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3a	Number of pits proposed for production	Pit No.- 7 & 10	As per proposal.	
3b	Quantity of ROM mineral production proposed	243806 टन	131406.68 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 threshold value declared	NIL	N.A	
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.	To reduce the vehicular pollution higher capacity vehicles are being preferred. Average tonnage/vehicle is 29 MT.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	As per proposal.	No bench in overburden.
3m	Total area covered under excavation/pits	125.17 हे.	108.59 हे.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	No OB in area.
3o	Total area put in use under different heads at the end of year	Pits- 125.17 हे. Others- 3.9997 हे.	Pits- 108.59 हे. Others- 3.11 हे.	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 240000 टन 2018-19: 244368 टन 2019-20: 242822 टन 2020-21: 241790 टन 2021-22: 243806 टन	2017-18: -- 2018-19: 212.07 टन 2019-20: -- 2020-21: 217503.43 टन 2021-22: 131406.68 टन	
3q	General remarks of inspecting officer on method of mining etc.	Eco-friendly mining by use of Ripper & Dozer with combination of Excavator/Loader with Dumpers.		

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	

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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 area	NIL	N.A	Not matured for backfilling.
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	Backfilling is not practical as there is no overburden in the area.		

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	Submitted on 08.06.2022	
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 0.20 हे. 200 -- NIL	NIL 1.00 हे. 200 -- 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	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. Plantation survival is poor.		

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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	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	No beneficiation issue reported during inspection.		

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	--	--	Rocky & deprived of vegetation.
8g	Survival rate	--	74 %	
8h	Water sprinkling on roads to control airborne dust	Proposed.	Achieved.	4000 Ltr. Water sprinkling is being done through water tanker.
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 02.11.2022 A.R. submitted for the year 2021-22 on 13.06.2022	

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- Sh. Malay Kumar Rout Geologist – Sh. Umesh Chandra Tiwari	Mining engineer- Sh. Malay Kumar Rout Geologist – Sh. Umesh Chandra Tiwari	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	108.59 हे.		
9d	Scrutiny of Annual return on afforestation	--		Cumulative 1950 plants on 5.27 hect area.
9e	Scrutiny of Annual return on	Nil		

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	mineral reject generation (Grade & quantity)		
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	₹ 181.24 is the production cost	
9i	Scrutiny of Annual return on fixed assets	--	
9k	Scrutiny of Annual return on mining machineries	Dozer , Shovel, Water tanker, Jeep, Truck	Burnt oil of HEMM has used as lubrication agent in track chains and other moving part of the machines.

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

पिछले निरीक्षण दिनांक 05.09.2021 में नियम संख्या 11(4), 26(2) तथा 45(7) का उल्लंघन पाया गया था। इन नियमों की अनुपालना दिनांक 01.12.2021 को हो गई है। वर्तमान निरीक्षण स्टार रेटिंग मूल्यांकन के लिए किया गया, मूल्यांकन के पश्चात खान के Points 92.00% से 88.00% रहे हैं। वर्तमान निरीक्षण में कोई उल्लंघन नहीं पाया गया।

दिनांक : 30.01.2023

(मनीष गुप्ता)
सहायक खान नियंत्रक