

## MCDR INSPECTION

## 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Gop- I Limestone Mines
1(a)	Name of the Lessee	Shree Digvijay Cement Co. Ltd.
1(b)	Name of Inspecting officer & Designation	Shri Naman Ekka (Senior Mining Geologist)
1(c)	Accomp. official	Mr. Manish Kumar Upadhyay (Sr.GM-Mines), Mr. Umesh Tewari (Sr. Manager-Geology), Mr. Dharmendra Kumar Bansal Manager (Mines) Vikram Mishra (Surveyor)
1(d)	Date of Inspection	08.08.2023/ Star Rating
2	Total Lease Area (Ha) with breakup of non-forest and forest land	Non-Forest – 218.53 Ha. Forest – 0.0 Hectares Total - 218.53 Ha.
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	Shree Digvijay Cement Co. Ltd. Digvijaygram, Sikka, Jamnagar, Mob- 7861880790 Email – manishkumar.upadhyay@digvijaycement.com Fax - 02882344092
6	Village	Gop & Zinavari
7	Taluka/Mandal	Jamjodhpur
8	District	Jamnagar
9	Pincode	360515
10	State	Gujarat
11	Post office	Gop Moti
12	Nearest police station	Jamjodhpur
13	Nearest Railway station	Gop Jam
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	Granted on 05.10.1978, for 20 Years,
18	Date of second Renewal, if applicable and its period & expiry	Applied on 05.05.1997 for 20 years up to 31.05.2018.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease term extended till <b>31/03/2030</b> vide MCR-1577-(D-56)-6858-chh-1 dated 15/06/2017
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	<b>Shri K. K. Rajeev Nambiar</b> , CEO & Whole time Director, Shree Digvijay Cement Co. Ltd. Digvijaygram, Jamnagar Phone No: 0288-2344072-75 rajeev.nambiar@digvijaycement.com, Fax no: 0288-2344092 Date of nomination 01.11.2015
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	<b>Shri R Krishna Kumar</b> , Plant Head, Shree Digvijay Cement Co. Ltd., Digvijaygram, Jamnagar Phone No: 0288-2344072-75 r.krishnakumar@digvijaycement.com Fax no: 0288-2344092 Date of appointment 07.05.2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	<b>Shri Dharmendra Kumar Bansal</b> , Manager of Gop Limestone Mines, Shree Digvijay Cement Co. Ltd Village – Gop, Taluka-Jamjodhpur, Dist.- Jamnagar, Mobile - 9510974772 email - dharmendra.kbansal@digvijaycement.com Date of appointment – 20.03.2023
23	Name of the Mining Engineer, Qualification and total	<b>Shri Dharmendra Kumar Bansal</b> , Manager of Gop Limestone Mines, Shree Digvijay Cement Co. Ltd

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	experience with Address, phone, email, fax number and date of appointment in mine	Village – Gop, Taluka-Jamjodhpur, Dist.- Jamnagar, Mobile - 9510974772 email - dharmendra.kbansal@digvijaycement.com Date of appointment – 20.03.2023 7 years
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Geologist – Shri U. C. Tewari Mining Engineer – Shri Dharmendra Kumar Bansal
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	<ul style="list-style-type: none"> <li>682(23) (617)/96-MCCM(N) UDP, dated 22-11-1997</li> <li>682(23)/MS-626/11MCCM(N)-UDAY, Dated 09.12.2016 (2017-18 to 2021-22)</li> <li>684(4)(1)/MP-372/2021-22GNR dated 12.01.2022(RMP) (2022-23 to 2026-27)</li> </ul>
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<ul style="list-style-type: none"> <li>682(23)/MS-136/2001-UDP, dated 08-02-2002 (2002 to 2007).</li> <li>Modified 682(23)/MS-249/2004-UDP, dated 23-06-2004.</li> <li>682(23)/MS-366/2006-UDP, Dated 08.01.2007 (2007-08 to 2011-12)</li> <li>682(23)/MS-326/11MCCM(N)-UDAY, Dated 30.04.2012 (2012-13 to 2016-17)</li> </ul>
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non-Captive	Captive

**Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –****1. Exploration**

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	0	0	
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	No Proposal	No Proposal	
1e	Balance reserves as on 01.04.2023	1.811 million Tonnes		
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Area has been explored in past by Drilling BH		

**2.0 Development**

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Nmax: 2439066 mN Nmin: 2438781 mN Emax: 594761 mE Emin: 594453 mE	Nmax: 2439066 mN Nmin: 2438781 mN Emax: 594761 mE Emin: 594453 mE	
2b	Separate benches in topsoil, overburden and mineral (Rule	Nil	Nil	

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	15)			
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Nil	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.	Development of pits has carried out as per proposal.		

**3.0 Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No. 01,02 & 10,11	Pit No. 01,02 & 10,11	
3b	Quantity of ROM mineral production proposed	2022-23 -220000	Yr-2022-23 219735.434	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	No Mineral Reject
3e	Grade of mineral reject generation and threshold value declared	Nil	34 % Cao	No Mineral Reject
3f	Quantity of sub-grade mineral generation	NA	NA	No Sub grade Mineral
3g	Grade of sub-grade mineral generation	NA	NA	No Sub grade Mineral
3h	Manual / Mechanised method adopted for segregating from ROM	Fully Mechanised	Fully Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Eco-Friendly mining by use of Ripper & Dozer is proposed. No Drilling & Blasting proposed.	NA	
3k	Provision of mining machineries in mineral benches	Ripper & Dozer with combination of Excavator/Loader with Truck/Dumpers	Ripper-Dozer, Excavator, dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	There is no proposal of OB bench and height of mineral bench is suitable for method of mining	OB-Nil Ore-0.5m-6.0m (Max)	
3m	Total area covered under excavation/pits	114.463 Ha	113.067 Ha	

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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- 114.463 Ha Waste/reject -Nil Others- 4.48 Ha	Pit- 113.067 Ha Waste/reject -Nil Others- 4.19 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2018-19 - 244368 Yr-2019-20- 242822 Yr-2020-21- 241790 Yr-2021-22 -243806 Yr-2022-23 -220000	Yr-2018-19- 212 Yr-2019-20- Nil Yr-2020-21- 217503.436 Yr-2021-22- 131406.687 Yr-2022-23- 219735.434	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out.		

**4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	No OB & Mineral reject	
4b	Location of topsoil, OB & mineral reject dumps	NA	No OB & Mineral reject	
4c	Number of dumps within lease area and outside lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer	As reported No Solid waste generated		

**5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling,	No Back filling of the Mine has been carried out.		

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reclamation etc	
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**6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	PMCP report to be submitted in time.	PMCP report submitted on time.	
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	ii) 1.00 Ha iii) 1000 Nos	ii) 1.00 Ha iii) 1020 Nos iv) 8826 Nos	
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	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Afforestation (i)Nos of Plants – 1000 (ii)Area -1.00 Ha	Afforestation (i)Nos of Plants – 1020 (ii)Area -6.27 Ha	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring to be done.	Monitoring on monthly basis being carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP as per Proposals has been carried out.		

**7.0 Mineral Conservation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yr-2018-19 - 244368 Yr-2019-20- 242822 Yr-2020-21- 241790 Yr-2021-22 -243806 Yr-2022-23 -220000	Yr-2018-19- 212 Yr-2019-20- Nil Yr-2020-21- 217503.436 Yr-2021-22- 131406.687 Yr-2022-23- 219735.434	
7b	Method of grade-wise mineral sorting i.e., manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	

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7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

**8.0 Environment**

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	1000 Nos of sapling to be planted every year	1020 Nos of sapling planted in 2022-23	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Lease area rocky and deprived of vegetation. As per proposal 1000 plants to be planted per year.		
8g	Survival rate	As per Proposal	70%	
8h	Water sprinkling on roads to control airborne dust	Dust suppression to be done.	Dust suppression done by using water tankers.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by Little to no Vegetation.		

**9.0 Compliance of Rule 45**

S. N	Item	COMMENTS		Remarks
9a	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date - Yes A.R. submitted up to till date- Yes		
S. N	Item	Details GIVEN in A.R. 2022-2023		Remarks
9b	Scrutiny of Annual return	Mining Engineer -	ME and Geologist	

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	for information on Mining Engineer, Geologist and Manager	Dharmendra Kumar Bansal Geologist - Umesh Chandra Tewari	present during inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings – 113.067 Occupied by plant, buildings, residential, welfare buildings and roads -2.877 Water reservoir – 1.320	Found in order	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year – 1020 Survival rate – 70%	Seems correct	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject - 0	Seems correct	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock - 0	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price – 177.71	Seems correct	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets* (₹ 6737990)	Seems correct	
9k	Scrutiny of Annual return on mining machineries	DOZER SHOVEL (HYDRAULIC) WATER TANKER TRUCK	Seems correct	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Mines was inspected under Star Rating. No significant Violations observed.

Naman Ekka  
SMG