

MCDR INSPECTION**1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Pachhtardi 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)	Accompany Officials	Mr. Manish Kumar Upadhyay (Sr. G.M Mines), Biswajit Kar (Manager – Mines) , Neerendra Kumar Pandey (Manager – Geology) Sudhir Parmar (Mining Engineer)
1(d)	Date & Type of Inspection	18.07.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest – 18.0388 Ha. Total – 18.0388 Ha.
3	Mine code	38GUJ07093
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 - 9893405106 Email - manishkumar.upadhyay@digvijaycement.com Fax - 2882344092
6	Village	Pachhtardi
7	Taluka/Mandal	Bhanvad
8	District	Dev Bhumi Dwarka
9	Pin code	360510
10	State	Gujarat
11	Post office	Pachhtar
12	Nearest police station	Bhanvad
13	Nearest Railway station	Bhanvad
14	Date of Grant of Mining Lease	08.01.2017
15	Date of Execution	11.01.2017
16	Date of opening of Mine	16.02.2022
17	Date of first Renewal, if applicable and its period & expiry	N/A
18	Date of second Renewal, if applicable and its period & expiry	N/A
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Mining Lease valid from 11.01.2017 to 10/01/2067 vide MCR-1103-2019(2)-CHH-CHH.1, dated 08/01/2017
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri R Krishna Kumar, C.E.O & M.D Shree Digvijay Cement Co. Ltd. Digvijaygram, Jamnagar Phone No: 0288-2344072-75 r.krishnakumar@digvijaycement.com, Fax no 0288 - 2344092, Date of appointment 16.12.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Manish Kumar Upadhyay , Shree Digvijay Cement Co. Ltd., Digvijaygram, Jamnagar Phone No: 0288-2344072-75 manishkumar.upadhyay@digvijaycement.com Fax no: 0288-2344092, Date of appointment 16.12.2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Biswajit Kar, Manager (Mines) Pachhtardi Limestone Mines, Shree Digvijay Cement Co. Ltd. Village – Pachhtardi, Taluka- Bhanvad, Dist.- Devbhumi Dwarka, Gujarat, Mobile – 9875156625 email– biswajit.kar@digvijaycement.com

		Date of Appointment – 08.04.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Parmar Sudhir Kumar Kesharbhai (Mining Engineer) Pachhtardi BE in Mining, 12 Years' Experience. Limestone Mines, M/s Shree Digvijay Cement Co. Ltd. Village – Pachhtardi, Taluka-Bhanvad, Dist.- Devbhumi Dwarka, Gujarat, Mobile - +919228158838 email – sudhir.parmar@digvijaycement.com Date of Appointment – 16.02.2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, Geologist – Shri Neerendra Kumar Pandey Mining Engineer – Shri Parmar Sudhir Kumar Kesharbhai
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23) (450)/2006-UDP, dated 11/07/2006 684(4)(1) MP-295/2020-21-GNR- Dated 28.01.2021
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	N/A
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

Exploration:

S N	Item	Proposals (2023-24)	Actual work	Remarks
1a	Backlog of previous year	No proposal	No work carried out	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Entire area has been explored in G1 Category	
1c	Exploration Agency & Expenditure in lakh Rupees during the year 2021-22	No proposal	Entire area has been explored in G1 Category	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Entire area has been explored in G1 Category	
1e	Balance reserves as on 01.04.2024,	3,483,400 Tonnes as on 31.12.2020	2,230,683.07 Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Lease area has been explored in G1 Category.		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2416897-E571171, N2417042-E571519	Working has been carried out in the following location 21°51'18.67" N 69°41'29.42"E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal for Topsoil and OB Mineral Bench proposed - 4	02 benches in Mineral found during inspection.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No proposal	No work carried out	
2e	Quantity of overburden generation in m3	No proposal	No work carried out	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit has been carried out by developing benches as per proposal.		

3.0 Exploitation

S N	Item	Proposals (2023-24)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No-1	Pit No-1	
3b	Quantity of ROM mineral production proposed	3,50000 MT	282284.759 Tonnes	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	No work carried out	No Mineral Reject
3e	Grade of mineral reject generation and threshold value declared	No proposal	No work carried out	No Mineral Reject
3f	Quantity of sub-grade mineral generation	No proposal	No work carried out	No Sub grade Mineral

3g	Grade of sub-grade mineral generation	No proposal	No work carried out	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	No proposal	No work carried out	
3j	Provision of drilling & blasting in mineral benches	Eco-Friendly mining by use of Ripper & Dozer is proposed. No Drilling & Blasting proposed.	Use of Ripper & Dozer is being practiced. No Drilling & Blasting is being done	
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	Yes O/B – NA Ore – 6.0 m	Yes O/B – NA Ore – 03 benches of 5 to 6 m were observed.	
3m	Total area covered under excavation/pits	4.05 Ha	2.213 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- 4.05 Ha Waste/reject -Nil Others- 0.531	Pit- 2.213 Ha Waste/reject -Nil Others- 0.531	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2021-22 -350000 MT Yr-2022-23 -350000 MT Yr-2023-24 -350000 MT	Yr-2021-22 - 33243.245 MT Yr-2022-23 - 196769.178 MT Yr-2023-24 - 282284.759 MT	
		Total- 1050000.00	Total- 512297.182	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is opencast without drilling and blasting.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Actual work	Remarks
4a	Separate dumping of	No proposal	No work carried	

	topsoil, OB & mineral reject (Rule 32, 33)		out	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	No work carried out	
4c	Number of dumps within lease area and outside lease area	No proposal	No work carried out	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	No work carried out	
4e	Number of active & alive dumps	No proposal	No work carried out	
4f	Number of dead dumps	No proposal	No work carried out	
4g	Number of dumps stabilised	No proposal	No work carried out	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	No work carried out	
4i	Length of Retaining wall or garland drain all along dump	No proposal	No work carried out	
4j	Number of settling ponds	No proposal	No work carried out	
4k	Specific comments of inspecting officer	As reported no solid waste generated.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction.	No work carried out	
5b	Area under backfilling of mined out area	No proposal	No work carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	No work carried out	
5d	Total area fully reclaimed & rehabilitated	No proposal	No work carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No work on backfilling and reclamation has been carried out		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2023-24)	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 18/06/2024 with AR	
6b	Management of worked/mined out benches i) Area available for	No proposal	No work carried out	

	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			
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	No proposal	No work carried out	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	(i) Afforestation Nos of Plants – 200 (ii)Area -0.20 Ha	No work carried out	Violation of 11(1)
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring to be done.	As reported Monitoring on monthly basis being carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Compliance has been carried out as per proposal		

7.0 Mineral Conservation

S N	Item	Proposals (2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yr-2021-22 -350000 MT Yr-2022-23 -350000 MT Yr-2023-24 -350000 MT	Yr-2021-22 - 33243.245 MT Yr-2022-23 -196769.178 MT Yr-2023-24 - 282284.759 MT	Cement Grade
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	No work carried out	
7c	Different grade of mineral sorted out at mines	No proposal	No work carried out	
7d	Any beneficiation process at mines	No proposal	No work carried out	

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Optimum use of Mineral is being practiced and no beneficiation issues reported
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8.0 Environment

S N	Item	Proposals (2023-24)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No work carried out	
8b	Concurrent use or storage of topsoil	No proposal	No work carried out	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	No work carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	No work carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	No work carried out	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Lease area rocky and deprived of vegetation. As per proposal 200 plants to be planted per year.	No	
8g	Survival rate	As per Proposal	80	
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 of local species, Plantation has been carried out as within the lease.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to June on 04/07/2024 A.R. of 2023-24 submitted on 18/06/2024		
S. N.	Item	Details Given in A.R. 2023-2024		Remarks
9b	Scrutiny of Annual return	Mining Engineer: Shri	Mining Engineer:	

	for information on Mining Engineer, Geologist and Manager	Parmar Sudhir Kumar Kesharbhai Geologist: - Shri Neerendra Kumar Pandey	Shri Parmar Sudhir Kumar Kesharbhai Geologist: - Shri Neerendra Kumar Pandey	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings – 2.213 Occupied by plant, buildings, residential, welfare buildings and roads – 0.531 Ha.	Covered under current (O-C) Workings – 2.213 Occupied by plant, buildings, residential, welfare buildings and roads – 0.531 Ha.	
9d	Scrutiny of Annual return on afforestation	Plantation – 250 Survival Rate - 80%	No work carried out	Violation of 45(7)
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM - 282284.75 Tonnes Graded Ore - 282284.75 (Cement Grade Production)	ROM - 282284.75 Tonnes Graded Ore - 282284.75 (Cement Grade Production)	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price - 207.48/- Cost of Production – 207.48/-	Ex Mine Price - 207.48/- Cost of Production – 207.48/-	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets* (₹ 1114465)	Value of Fixed Assets* (₹ 1114465)	Mentioned under plants and Machinery
9k	Scrutiny of Annual return on mining machineries	DOZER SHOVEL (HYDRAULIC) WATER TANKER JEEP/TRACTOR TRUCK	DOZER SHOVEL (HYDRAULIC) WATER TANKER JEEP/TRACTOR TRUCK	

10 - Details of violations observed during current inspection – Violation of Rule 11(1) and 45(7) of MCDR Pointed out.

Naman Ekka
SMG