

## MCDR INSPECTION REPORT

## 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Pachhtar 52.60 Ha Limestone Mine
1(b)	Name of Inspecting officer	Shri Naman Ekka, (Sr. Mining Geologist)
1(c)	Date of Inspection	04/05/2023 (A/N)
1(d)	Accompanying officer	Mr. Manish Kumar Upadhyay (Sr.GM-Mines), Mr. Umesh Tewari (Sr. Manager-Geology), Mr. Biswajit Kar (Sr. Manager-Mines), Mr. Mohammad Arzoo (Dy. Manager-Geology)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	52.60 Ha (Non- forest, Govt. Waste Land)
3	Mine code	38GUJ07035
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/95/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Shree Digvijay Cement Co. Limited, Digvijaygram, District: Jamnagar, State: Gujarat, Pin code: 361 140, Phone 0288-2344272-75, Fax 0288-2344092
6	Village	Pachhtar
7	Taluka	Bhanvad
8	District	Devbhumi 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	18/06/1983
15	Date of Execution	07/11/1983
16	Date of opening of Mine	01/07/1987
17	Date of first Renewal, if applicable and its period & expiry	
18	Date of second Renewal, if applicable and its period & expiry	
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Renewal applied on 19.10.2002 for 20 years. Lease term extended till 17/06/2033 vide MCR-1581-(D-82) GOI-15-chh-1 dated 02/02/2018
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K. K. Rajeev Nambiar, CEO & Whole time Director, Shree Digvijay Cement Co. Ltd. Digvijaygram, Jamnagar Phone No: 0288-2344072-75 Email - 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	Shri R Krishna Kumar, Plant Head, Shree Digvijay Cement Co. Ltd. Digvijaygram, Jamnagar Phone No: 0288-2344072-75 e mail- <a href="mailto:r.krishnakumar@digvijaycement.com">r.krishnakumar@digvijaycement.com</a> 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	Shri Manish Kumar Upadhyay, Sr. GM (Mines) Pachhtar Limestone Mines, Shree Digvijay Cement Co. Ltd Village - Pachhtar, Taluka-Bhanvad, Dist.-Devbhumi Dwarka Mobile - 7861880790, Email - manishkumar.upadhyay

1/10332/2023

		@digvijaycement.com Date of appointment - 05.04.2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Jitendra Kumar Sinha AMIE (Mining) & Second-Class Mines Manager Certificate. Experience – 10 Years. Pachhtar Limestone Mines, Shree Digvijay Cement Co. Ltd Village - Pachhtar, Taluka-Bhanvad, Dist.-Devbhumi Dwarka mobile-9099037926, Email - jitendrak.sinha@digvijaycement.com Date of appointment -01.07.2014
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes. Geologist – Mohammad Arzoo Mining Engineer - Jitendra Kumar Sinha
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23) (312)/2004-UDP dated 24.06.2004 for the period of 07.11.2003 to 06.11.2008 684(4)(1)/MP-92/2017-GNR, dated 13.02.2018 for the period of 01.04.2018 to 31.03.2023 684(4)(1)/MP-277(92)/2020-21-GNR/1048, dated 08.10.2020 for the period of 01.04.2020 to 31.03.2023 (Modified Mining Plan) MCDR-MPCP0CaF1/24/2022-GNR-IBM_RO_GNR Dt : 09/12/2022 for the period of 01.04.2023 to 31.03.2028 (2023-24 to 2027-28)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	682 (23)/MS-462/2008-MCCM(N) Udp Dated.24/03/2009 for the period 2008-09 to 2012-13.  Modified 682 (23)/MS-516/2009-MCCM(N) Udp Dated.25/01/2010, for the period 2008-09 to 2012-13.  No 682 (23)/MS-516/2009-MCCM(N) Udp Dated.26.07.2013, for the period 2013-14 to 2017-18
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. –

#### Exploration

S N	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	No Proposals	No exploration carried out.	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposals	No exploration carried out.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposals	No exploration carried out.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area explored in G1 Category	Area explored in G1 Category	
1e	Balance reserves as on 01.04.2023	11435634 Tonnes	11435634 Tonnes	

1/10332/2023

1f	General remarks of inspecting officer on geology, exploration etc.	Area has been explored in G1 Category..
----	--	---

2.0 Development

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	N 2417064 -N2417887 E 571528 - E 572081	N 2417064 -N2417887 E 571528 - E 572081	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Top soil / OB so Benches in Mineral proposed	No Top Soil / OB Present	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No Top Soil Present	No Top Soil Generated	
2e	Quantity of overburden/inner burden generation in m3	No OB/IB Proposed for generation	No OB/IB generated	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit is as per proposal .		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Two pits - Pit 2 & Pit 3	As reported Pits 2 & 3 were in production	
3b	Quantity of ROM mineral production proposed	5,00,000 MT	4,99,996.23 MT	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No Proposal for Mineral Reject	As reported no mineral Reject Generated	
3e	Grade of mineral reject generation and threshold value declared	No Proposal for Mineral Reject	As reported no mineral Reject Generated	
3f	Quantity of sub-grade mineral generation	No Proposal for sub-grade mineral generation.	As reported no sub-grade mineral generated	
3g	Grade of sub-grade mineral generation	No Proposal for sub-grade mineral generation.	As reported no sub-grade mineral generated	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal for mineral segregation.	As reported No mineral segregation done.	
3i	Any analysis or beneficiation study proposed & carried out for sub grade mineral and reject	No proposal for beneficiation study	As reported no beneficiation study carried out.	

1/10332/2023

3j	Provision of drilling & blasting in mineral benches	No provision of Drilling & Blasting	As reported no drilling & blasting carried out.	
3k	Provision of mining machineries in mineral benches	Ripper-Dozer, Excavator, 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 – 9.0m	Yes O/B – NA Ore – 9.0m	
3m	Total area covered under excavation/pits	Pit- 26.51 Ha	Pit- 26.51 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- 27.49 Ha Waste/reject – Nil Road 1.01 Ha Total- 28.50	Pit- 26.54 Ha Waste/reject - Nil Road 1.01 Ha Total – 28.16	
3p	Production of ROM mineral during last five-year period, as applicable Pachhtar (Composite)	<u>Pachhtar Composite</u> Yr-2017-18 950859.00 <u>Pachhtar 52.60</u> Yr-2018-19 -321541 Yr-2019-20 -309918 Yr-2020-21-600000 Yr- 2021-22- 500000 Yr- 2022-23- 500000	<u>Pachhtar Composite</u> Yr-2017-18 188069.24 MT <u>Pachhtar 52.60</u> Yr-2018-19-269716.70 Yr-2019-20-309181.38 Yr-2020-21-599855.115 Yr-2021-22- 499796.771 Yr-2022-23- 499996.230	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is open cast without drilling & blasting.		

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

1/10332/2023

4j	Number of settling ponds	No proposal	As reported no work carried out	
4k	Specific comments of inspecting officer	No proposal of solid waste management and no work carried out.		

#### 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	No back filling proposed as there is no OB.	As reported no work carried out	
5b	Area under backfilling of mined out area	No proposal	As reported no work carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	As reported no work carried out	
5d	Total area fully reclaimed & rehabilitated	No proposal	As reported no work carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No work carried out against backfilling & reclamation.		

#### 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.	As reported PMCP report will be 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	(i) 0.20 Ha for Afforestation (ii) 200 No. of Plants	i) 0.69 Ha for Afforestation ii) 1385 no. of plants planted iii) 1235 no. of plants planted	
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 as it is working pit	As reported no such activity carried out.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	(i) 200 No. of Plants ii) 0.20 Ha for Afforestation	(i) 1385 no. of plants planted ii) 0.69 Ha for Afforestation	
6e	Compliance of Environmental	Monitoring to be done.	Monitoring on	

I/10332/2023

	monitoring (core zone & buffer zone)		quarterly basis done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	As reported PMCP compliances for the year 2022-23 has been completed as per proposal.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM to be despatched	Total ROM is being despatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal	As reported no work carried out	
7c	Different grade of mineral sorted out at mines	No proposal	As reported no work carried out	
7d	Any beneficiation process at mines	No proposal	As reported no work carried out	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Mineral Conservation and Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	As reported no work carried out	
8b	Concurrent use or storage of topsoil	No proposal	As reported no work carried out	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	As reported no work carried out	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	No proposal	As reported no work carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	200 plants to be planted per year.	1385 plants planted.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200 plants planted per year.	Total Plantation 1385 No. in 0.69 Ha.	
8g	Survival rate	70%	70%	

I/10332/2023

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	Lease area is surrounded by villages with moderate to little vegetation.		

## 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Online Monthly and Annual returns	M.R. Submitted – April 2023 A.R. submitted up to 2021-22	

S.N	Item	Details GIVEN in A.R. 2021-2022		Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer – Shri Jitendra Kumar Sinha Geologist - Shri Umesh Chandra Tewari	Mining Engineer – Shri Jitendra Kumar Sinha Geologist - Shri Umesh Chandra Tewari	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pits – 5.00 Ha.	Area under Pits – 5.00 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year – 359(outside lease area)	Number of trees planted during the year – 359(outside lease area)	
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 stock- 0	ROM stock- 0	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price – 207.73 Cost of Production- 207.73	Ex-mine price – 207.73 Cost of Production- 207.73	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs. ) 1214016	Value of Fixed Assets (in Rs. ) 1214016	
9k	Scrutiny of Annual return on mining machineries	Dozer – 2 Shovel – 02 Truck - 34	Dozer – 2 Shovel – 02 Truck - 34	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - 34(A)

Naman Ekka  
Sr. Mining Geologist