

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1(a))	Name of the Mine	Pachhtar 16.00 Ha Limestone Mine
1(b))	Name of Inspecting Officer	Sunil Kumar Sharma (Senior Assistant Controller of Mines)
1(c))	Type of Inspection	Star Rating & MCDR Inspection
1(d))	Date of Inspection	16.12.2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 16.0 Ha. Forest land - Nil Non Forest land – 16.00 Ha.
3	Mine-code	38GUJ07034
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/Mandal	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	01/06/1983
15	Date of Execution	07/11/1983
16	Date of opening of Mine	01/04/1987
17	Date of first Renewal, if applicable and its period & expiry	06/11/2003 Period 06/11/2003 to 31/05/2033 Expiry date: 31/05/2033
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	Renewal applied on 19.10.2002 for 20 years. Renewal granted from 06/11/2003.
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	Shri Biswajit Kar, Sr. Manager (Mines) Pachhtar Limestone Mines, Shree Digvijay Cement Co. Ltd Village - Pachhtar, Taluka-Bhanvad, Dist.-Devbhumi Dwarka

	appointment in mines	Mobile - 9875156625, Email - biswajit.kar@digvijaycement.com Date of appointment - 16.12.2023
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 – 11 Years. Address- 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 55 & carrying out their duties as per rule 56 & 57.	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 (2018-19 To 2022-23) MCDR-MPCP0CaFl/23/2022-GNR-IBM_RO_GNR Dt: 02/12/2022 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

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals	Nil	-
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposals	Nil	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposals	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposals	Nil	-
1e	Balance reserves as on 31.03.2024 (in Metric Tonne)	UNFC Code	Reserves/ Resources	Violation observed under Rule 45(5)(c), updated reserves/ resources are
		121	2303,964.16 tonne	
		221	398,070.00 tonne	
		Total	2702,034.16	

			tonne	not provided in Annual Return 2023-24.
1f	General remarks of inspecting officer on geology, exploration etc.	The entire lease area has already been explored in G-1 category. However, the reserves/ resources provided in Annual Return 2023-24 is not matching with approved mining Plan & reported production. Therefore, violation observed under Rule 45(5)(c).		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit No.1 South-west of Lease Area N 2416952 - N2417137 E 572221 - E 572846	Pit No.1 South-west of Lease Area N2416977- N2417003 E572287 E572303	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	There is no proposal for benches in topsoil & Overburden. Number of benches in mineral: 4 Nos.	No bench of topsoil & overburden. Benches in mineral: 3 Nos.	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m ³	No proposal	Nil	-
2e	Quantity of overburden generation in m ³	No proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There was no proposal of topsoil and overburden in the mining plan. During inspection, it was found that there was one active pit in the lease.		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One Pit (Pit No.1)	One Pit (Pit No.1)	-
3b	Quantity of ROM mineral production proposed	2,00,000 tonne	155.840 tonne	Less production due to area fall within 1 km from ESZ of BWL sanctuary.
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No Proposal	Nil	-
3e	Grade of mineral reject generation	No Proposal	Nil	-

	and threshold value declared			
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	-
3g	Grade of sub-grade mineral generation	No Proposal	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	No Proposal	Nil	-
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	No proposal for bench in overburden Bench height in Mineral: 6 m	Yes, Bench height in Mineral: 6 m	-
3m	Total area covered under excavation/pits	Pit- 14.26 Ha	Pit Area 13.39 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- 14.26 ha Waste/reject - Nil Road - 0.18 ha	Pit- 13.39 Ha Waste/reject – Nil Road 0.16 Ha	-
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 92335 MT 2020-21: 125000 MT 2021-22:125000 MT 2022-23: 212966 MT 2023-24: 200000 MT	2019-20 - 92328.53 2020-21- Nil 2021-22- 81442.12 2022-23 – Nil 2023-24 – 155.840	-
3q	General remarks of inspecting officer on method of mining etc.	During the inspection, it was found that the mining operations were not being carried out due to temporary discontinuance of the mines. Notice of temporary discontinuance was submitted to IBM on 08/06/2023. Date of temporary discontinuance was 10/06/2023.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Nil	-
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Nil	-
4c	Number of dumps within lease area	No Proposal	Nil	-

	and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	-
4e	Number of active & alive dumps	No Proposal	Nil	-
4f	Number of dead dumps	No Proposal	Nil	-
4g	Number of dumps stabilised	No Proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	-
4j	Number of settling ponds	No Proposal	Nil	-
4k	Specific comments of inspecting officer	During the inspection, it was found no dump of OB or waste in the mine. All ROM is utilised as cement grade limestone in its captive plant.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Nil	-
5b	Area under backfilling of mined out area	No Proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	-
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Presently, no mined-out area in the mine. There was no proposal of backfilling in the approved mining plan.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	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.	Yes	Submitted on 05.06.2024	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No Proposal	Nil	-
6c	Afforestation done (ha)	0.20 Ha	0.20 Ha	-
6d	No. of saplings planted during the year	200 Nos of sapling planted during the year	250 Nos of sapling planted during the year	-
6e	Cumulative no. of plants	1100	1253	-
6f	Any other specific method of rehabilitation	No Proposal	Nil	-
6g	Cost incurred on watch & care during the year	20000/-	25000/-	-

6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Proposal	Nil	-
6i	ii) Void filled by waste/tailings	No Proposal	Nil	-
6j	iii) Afforestation on the backfilled area	No Proposal	Nil	-
6k	iv) Rehabilitation by making water reservoir	No Proposal	Nil	-
6l	v) Any other specific means	No Proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No Proposal	Nil	-
6n	ii) Area rehabilitated (ha)	No Proposal	Nil	-
6o	iii) Method of rehabilitation	No Proposal	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring to be done.	Monitoring on monthly basis is being done.	-
6q	General remarks of inspecting officer on PMCP compliance & progressive	Presently, one-active pit in the mine. There is common lease boundary of another mine of same lessee.		

7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2,00,000 tonnes	155.840 tonnes	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Nil	-
7c	Different grade of mineral sorted out at mines	No Proposal	Nil	-
7d	Any beneficiation process at mines	No Proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is produced as Cement grade limestone. No mineral reject or waste generated during mining operation.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals	Nil	-
8b	Concurrent use or storage of topsoil	No Proposals	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposals	Nil	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	-

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Pachhtar 16.00 Ha Mines Area is devoid of plantation at the time of Base Line Data collection.	Total Plantation: 1253 No.	-
8g	Survival rate	80%	Around 80%	-
8h	Water sprinkling on roads to control airborne dust	Dust suppression to be done.	Dust suppression being done by using water tankers sprinkler.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The mine adjoining of two other leases (Pachtar 52 & Pachtar 32) of the same lessee. There is one pit in the mine with 3 benches in the mineral. Active pit area is about 13.39 hectare.		

9.0 Compliance of Rule 45

S.N .	Item	COMMENTS	Remarks
9a.	Status of submission of Online Monthly and Annual returns	Monthly return (Nov. 2024) Submitted on: 03.12.2024 Annual Return 2023-24 on: 22.06.2024	-
S.N .	Item	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Jitendra Kumar Sinha Geologist : Mohammad Arzoo Manager: Biswajit Kar	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working – 13.387 Ha., Roads – 0.163 Ha. Work done afforestation – 0.2 Ha.	-
9d	Scrutiny of Annual return on afforestation	Afforestation – 250 Nos	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil sock of ROM and graded ore.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price – ₹ 354.210/- per tonne Production Cost - ₹ 354.210/- per tonne	-
9i	Scrutiny of Annual return on fixed assets	Nil	-
9k	Scrutiny of Annual return on mining machineries	1.Dozer cum ripper – 01 No 2. Shovel (Hydraulic) – 01 No. 3. Water Tanker – 01 No. 4. Jeep/Tractor - 5. Trucks.	-

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

1. Drone survey data analysed and found as per SOP.
2. There was no earlier violation pending for compliance.
3. Violation under rule 45(5)(c) has been observed which is as follows:

नियम सं.	उल्लंघन के प्रकार का विस्तृत ब्यौरा
45(5)(c) read with 45(7)	The following deficiencies have been found in the scrutiny of the annual return submitted by you for 2023-24 – In point No. 2 of Part-V (General Geology & Mining), the data on reserves/ resources as provided in Annual Return 2023-24 are not matching with approved mining Plan & reported production.

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines