

MCDR INSPECTION REPORT

I/13793/2023

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	Snehalkumar Patel, AME
1(c)	Accompanying Mines Representatives	Mr.UmeshTewari (Sr. Manager-Geology) & Team
1(d)	Type of Inspection	MCDR/Star Rating
1(e)	Date of Inspection	17-03-2023 (AN)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest-18.0388 Ha
3	Minecode	38GUJ07093
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/95/2011
5	Name of the lessee, Address, phone, email and fax number	Shree Digvijay Cement Co. Ltd. Digvijaygram, Sikka, Jamnagar, Mob. 9099037895 E-mail:
6	Village	Pachhtardi
7	Taluka/Mandal	Bhanvad
8	District	Devbhumi Dwarka
9	Pincode	360510
10	State	Gujarat
11	Post office	Bhanvad
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	ML valid from 11.01.2017 to 10.01.2067 vide MCR-1103-2019(2)-CHH-CHH.1, Date-08/01/2017
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, Sikka, Jamnagar, Ph. No. 0288-2344072-75 E-mail:rajeev.nambiar@digvijaycement.com, 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, Sikka, Jamnagar, Ph. No. 0288-2344072-75 E-mail:r.krishnakumar@digvijaycement.com, Date of nomination 07-05-2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Anilkumar Nigam, Manager (Mines) Pachhtardi Limestone Mine, Shree Digvijay Cement Co. Ltd. Village- Pachhtardi, Taluka-Bhanvad, Dist.-Devbhumi Dwarka, Gujarat Mobile: 9099037895 E-mail: anil.nigam@digvijaycement.com , Date of nomination 16-02-2022
23	Name of the Mining Engineer, Qualification and total	Shri Sudhir Parmar, Mining Enginner (Mines) Pachhtardi Limestone Mine, Shree Digvijay Cement Co. Ltd.

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	experience with Address, phone, email, fax number and date of appointment in mine	Village- Pachhtardi, Taluka-Bhanvad, Dist.-Devbhumi Dwarka, Gujarat Mobile: 9228158838 E-mail: dharmendra.kbansal@digvijaycement.com , Date of nomination 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 – Sh. Mahesh Kumar Khedekar Mining Engineer- Sh. Sudhir Parmar
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, Date – 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)	'A' Fully Mechanised.
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	No Proposal	N.A.	
1b	Exploration over lease area for Geological axis 1 or 2.	12 Nos.	12 Nos.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	B K Diamond Rs. 328220/-	B K Diamond Rs. 328220/- as per document.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	N.A.	
1e	Balance reserves as on 01.04.2022 4.27 MT	3,50,000 Tonne	33243.245 Tonne	
1f	General remarks of inspecting officer on geology, exploration etc.	Found Satisfactory.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	N2416936, E571304, N2417049, E571565	N2416936, E571304, N2417049, E571565	Pit 1
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	N.A.	N.A.	There is no O/B and there is also no any generation of rejects as a result of the mining operations.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

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2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The deposit is flat bedded deposit and There is no O/B and there is also no any generation of rejects in the lease area.
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3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	Pit No. P-01	Pit No. P-01	
3b	Quantity of ROM mineral production proposed	3,50,000 Tonne	33243.245 Tonne	
3c	Recovery of salable/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	46.16% Cao (BH-5)	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	Mechanised	Mechanised	
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 drilling & blasting. Eco-Friendly mining by use of Ripper & Dozer is proposed.	NA	
3k	Provision of mining machineries in mineral benches	Ripper & Dozer with combination of loader with Truck/Excavator/Dumpers	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes O/B-NA Ore-6.0M	Yes O/B-NA Ore-6.0M	
3m	Total area covered under excavation/pits	1.5637 Ha	Approx 0.900 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-1.5637 Ha.	Pit-0.900 Ha.	
3p	Production of ROM mineral during last five-year period, as applicable (MT)	Yr-2021-22-3,50,000 Tonne	Yr-2021-22-33243.245 Tonne	
3q	General remarks of inspecting officer on method of mining etc.	There is no Overburden in mining area and height of benches in mineral is suitable for method of Mining proposed in Plan.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal,	No OB & mineral reject	
4b	Location of topsoil, OB & mineral reject dumps	N.A.	OB & mineral reject	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	There is no Overburden in mining area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	N.A.	
4e	Number of active & alive dumps	N.A.	N.A.	
4f	Number of dead dumps	N.A.	N.A.	
4g	Number of dumps stabilised	N.A.	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	No	No	
4i	Length of Retaining wall or garland drain all along dump	N.A.	N.A.	
4j	Number of settling ponds	N.A.	N.A.	
4k	Specific comments of inspecting officer	There is no Overburden in mining area as the limestone is outcropping in the area.		

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	No Proposal	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, reclamation etc	There is practically no soil covering in this area. So provision for separate stacking of topsoil also has not been made and area is not matured for backfilling.		

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 23E(2). Details should be given in the format as given in Annexure-20.	PMCP report submitted in time.	Submitted.	
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) Nil Ha. ii) 0.20 Ha. iii) 200 Nos. iv) 200 Nos v) Nil vi) 203140/-	i) 0.09 Ha. ii) 0.05 Ha. iii) Approx 100 Nos. iv) 100 Nos. v) Nil vi) Approx. Rs. 100000/-	Violation issued.
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	No proposed iv) Rehabilitation by making water reservoir - Nil	No proposed iv) Rehabilitation by making water reservoir – 5.42Ha.	

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	reservoir v) Any other specific means			
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 -0.2 Ha	i) Afforestation Nos of Plants-100 ii) Area -4.56 Ha Rehabilitation by making water reservoir.	Violation issued.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring was done as per CCOM's circular 3/92 during mining.	Ambient Air Monitoring, Water quality monitoring and Noise monitoring is being done on monthly basis.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The PMCP returns are submitted on time as per the provision of Rule 26 of MCDR 2017. Violation issued rule 11(1).		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM to be dispatched.	Total ROM to be dispatched.	
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	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found Satisfactory.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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)	200 Nos of sapling to be planted every year.	Approx. 100 Nos of sapling planted up to 2021-22.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	NA	
8g	Survival rate	As per proposal.	Approx. 40%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling is done on haul road and loading and unloading point.	Regular water sprinkling is done on haul road and loading and unloading point to control fugitive emission.	

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The aesthetic environment in and around lease is beautiful.
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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 till date - Yes A.R. submitted up to till date- Yes		
S.N	Item	Details given in A.R.(2021-22)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Found in order	
9d	Scrutiny of Annual return on afforestation	Yes	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	Found in order	
9i	Scrutiny of Annual return on fixed assets	Yes	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- No Violation pending. During inspection violation of Rule 11(1), 33 read with 31(4) for the rectification of the same within a period of 45 Days.

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