

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Pachhtar 32.38 Limestone Mine
1(b)	Name of Inspecting officer	Sh. G Ram, Sr.ACOM
1(c)	Date of Inspection	08/9/2021 AN, Star Rating
1(d)	Accompanying officer	A.K. Nigam, Sr. GM (Mines) & U.C.Tiwari (Geologist)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	32.38 Hectare, Non-forest
3	Mine code	38 GUJ 07015
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, sdclmines@gmail.com
6	Village	Pachhtar
7	Taluka/Mandal	Pachhtar
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	18/07/1983
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	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA, Lease term extended till 06/11/2033 vide MCR-1581-(D-100) GOG-145-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 , Digvijaygram, Jamnagar, Gujarat, 361140 rajeev.nambiar@vcimentos.com, 0288-2344272-75, wef-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 r.krishnakumar@digvijaycement.com date of appointment 07.05.2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh Anil Kr Nigam , GM (Mines), Diploma in Mining & Mines Surveying & First Class Mines Manager, (0288) 2344092 anil.nigam@vcimentos.com, 01.07.2014
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, Assistant Manager (Mines), AMIE(Mining) & Second Class Mines Manager Certificate, wef-18.5.21
24	Whether Geologist and Mining Engineer appointed in mines	U.C Tiwari, Manager (Geology & Mines), M.Sc. [Geology] & Second Class Mines Manager Certificate, wef-18/05.2021
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, 684(4)(1)/MP-92/2017-GNR, dated 13.02.2018 for the period of 01.04.2018 to 31.03.2023 (2018-19 To2022-23)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	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(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	A-Mechanised
30	Captive/Non Captive	Captive

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

SN	Item	Proposals (2020-21)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	NIL	No future exploration proposed & not done.
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NIL	
1e	Balance reserves as on 01.04.2021	Reserves (111,121&122)-2.43 MT & Remaining resources-3.311MT for instant lease		
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

2.0 Development

SN	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No.4&5 as earmarked in plate no.6	Pit No.4&5 partly due to legging in plan period	
2b	Separate benches in topsoil, overburden and mineral	Not proposed	NIL	
2c	Stripping ratio or ore to OB ratio	Not proposed	NIL	
2d	Quantity of topsoil generation in m3	0T	NIL	
2e	Quantity of overburden generation m3	201T	0T	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mining lease area is developed by opening mine pit of irregular shape & size as per quality requirement etc.		

3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No.4&5 as earmarked in plate no.6	Done partly due to legging	
3b	Quantity of ROM mineral production proposed	135700T	85674.906 MT	
3c	Recovery of saleable/usable mineral from ROM production	Not proposed	100%	
3d	Quantity of mineral reject generation	Not proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	NIL	
3f	Quantity of sub-grade mineral generation	Not proposed	NIL	
3g	Grade of sub-grade mineral generation	Not proposed	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	Not proposed	NIL	
3k	Provision of mining machineries in mineral benches	Excavator cum Rock breaker, Dozer, Loader-HM2021 Tipper	Excavator cum Rock breaker, Dozer, Loader-HM2021 Tipper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP	Negligible OB, only mineral benches proposed	yes	
3m	Total area covered under excavation/pits	--	Pit- 6.690 ha Waste/reject - Nil Others- 1.272 ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	Pit-About 7.2Ha Waste/reject Others-	Pit- 6.690 ha Waste/reject - Nil Others- 1.272 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18 950599.80T 2018-19-950859.00T 2019-20-135700T 2020-21-135700T 2021-22-135700T	2017-18-188069.24 T 2018-19-56988.23T 2019-20-92328.53 T 2020-21-85674.906 2021-22-135435.51T	(Till)

3q	General remarks of inspecting officer on method of mining etc.	Opencast mechanised method of mining with dozer & ripper, rock breaker with tipper combination are using.
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4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NIL	
4c	Number of dumps within lease area and outside lease area	Not proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit	Not proposed	NIL	
4e	Number of active & alive dumps	Not proposed	NIL	
4f	Number of dead dumps	Not proposed	NIL	
4g	Number of dumps stabilised	Not proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NIL	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NIL	
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer	Negligible OB/Waste, topsoil & mineral rejects proposed in plan period is utilised for plantation.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No OB/waste & no proposal for backfilling	NIL	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2020-21)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Yes,	Annual Return on Rule 26(2) of MCDR, 2017 submitted with in 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) 0.10 Ha for Afforestation iii) 100 Nos of sapling planted during the year iv) 536 Total Nos of Plants	ii) 0.36 Ha for Afforestation iii) 364 Nos of sapling planted during the year iv) 536 Total Nos of Plants	
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	i)Not Proposed ii) Not Proposed iii) Not Proposed iv) Not Proposed v) Not Proposed	i)Nil ii)Nil iii)Nil iv)Nil v)Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 0.10 Ha for Afforestation	i) 0.36 Ha for Afforestation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring was done	Air quality Monitoring is being regularly carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Lessee has submitted the PMCP return to this office under rule 26(2) of MCDR, 2017. Plantation survival is poor.		

7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	135700T	85674.906 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines	Proposed for stacking separately.	Stacking separately & utilising by sizing, sorting	
7d	Any beneficiation process at mines	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL, No beneficiation study is carried out.		

8.0 Environment

SN	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal utilization of topsoil	0T Topsoil, 215T(OB)	0T	
8b	Concurrent use or storage of topsoil	Not Proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines	Not Proposed	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not Proposed	NIL	
8f	Baseline information on existence of plantation & additional plantation done	200 No. /Year	364 Nos.	
8g	Survival rate	---	73%	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling is done on haul road and loading unloading point	Regular water sprinkling is done on haul road and loading and unloading point	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mines area is natural grown shrubs & bushes and mine pits of irregular shape & size.		

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 - Regular submitted A.R. submitted up to till date-2020-21-16.6.2021		
S.N	Item	Details GIVEN in A.R. 2020-21		Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given as per AR-2020-21	Scrutiny of AR-2020-21 done & deficiencies pointed out to lessee for rectification.	VL under Rule 45(7) pointed out to lessee for rectification.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

- 10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Mine was inspected for Star Rating evaluation and validation done. (4Star) presently violation of provisions of rules 33, 45(7) pointed out for rectification & under process.