

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Chorbedi-1 Limestone Mine (254.89Ha.)
1(b)	Name of Inspecting officer	Sh. G Ram, Sr.ACOM
1(c)	Date of Inspection	7/9/2021 FN, Star Rating
1(d)	Accompanying officer	Sh. Anil Nigam & U.C.Tiwari (Geologist)
2	Total Lease Area (Ha), breakup of Non-forest, forest land	254.89 Ha, Non-forest-178Ha, Forest-76.89Ha
3	Mine code	38 GUJ 07007
4	IBM Registration Number under rule 45 of MCDR,2017	IBM/95/2011
5	Name of the lessee, Address, phone, email and fax	Shree Digvijay Cement Co. Ltd
6	Village	Chorbedi
7	Taluka/Mandal	Lalpur
8	District	Jamnagar
9	Pin code	361170
10	State	Gujarat
11	Post office	Lalpur
12	Nearest police station	Lalpur
13	Nearest Railway station	Lalpur
14	Date of Grant of Mining Lease	01.06.1983
15	Date of Execution	07.11.1983
16	Date of opening of Mine	03.02.1984
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable, period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Lease term extended till 06/11/2033 vide MCR-1579-(D-30)-4107-Chh.1, dated 14/06/2017
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 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 Shyam Narayan Singh , Manager (Mines) Gop Limestone Mines, Shree Digvijay Cement Co. Ltd Village – Gop , Taluka-Jamjodhpur, Dist.- Jamnagar, shyamnarayan.singh@digvijaycement.com , Date of appointment -10-11-2017, Mobile -7574866261
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh.Rajkumar Sharma, MSc (geology) WEF 18.4.2021 7566839256
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties	Rahul Barai, BE(Mining),+6 Years' Experience. Village – Gop , Taluka-Jamjodhpur, Dist.- Jamnagar. Mob-9099038093, Rahul.barai@digvijaycement.com , Date of Appointment – 01.10.2017
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(313)/2004-UDP, dated 23/06/2004 684(4)(1) MP-203/2019-GNR- Dated 19.03.2019
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-495)/2009-खनिखस(उ)उदय, dated 14/08/2014 682(23)(MS-495)/2009-खनिखस(उ)उदय, dated 23/09/2016
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	NIL
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 01.2.2019	Reserves(111,121&122)-5.0434MT & Remaining resources-5.3139MT for instant lease		
1f	General remarks of inspecting officer on geology, exploration etc.	Part of mining lease area is still pending depth wise for further exploration.		

2.0 Development

SN	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	P3-Pit as earmarked in plate no.4B	P3-Pit done partly due to lagging in plan period	Lagging in plan period
2b	Separate benches in topsoil, overburden and mineral	50M3	50M3	
2c	Stripping ratio or ore to OB ratio	Not proposed	NIL	
2d	Quantity topsoil generation m3	Not proposed	NIL	
2e	Quantity of OB generation m3	Not proposed	NIL	
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	P3 Single pit	P3, Single pit partly done	Legging in ROM
3b	Quantity of ROM mineral production proposed	400000T	68235.71T	
3c	Recovery of saleable/usable mineral from ROM production	100% 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	Mechanised	Mechanised	
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	No drilling & blasting proposed	NIL	
3k	Provision of mining machineries in mineral benches	Dozer & ripper, rock breaker	Dozer & ripper, rock breaker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No overburden, only mineral benches proposed	As per proposed in mineral benches legging	
3m	Total area covered under excavation/pits	---	Pit-About 36.53Ha (forest & nonforest) Infra-0.83Ha, road-1.3Ha	AR-2020-21
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 36.53Ha (forest & nonforest) Infra-0.83Ha, road-1.3Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18-715909T 2018-19-671557T 2019-20-400000T 2020-21-400000T 2021-22-400000T	2017-18-322166.36T 2018-19-256825.23T 2019-20-312911.79T 2020-21-68235.71T 2021-22-167950.63T 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.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
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4a	Separate dumping of topsoil, OB & mineral reject	Top soil proposed for removing separately. No OB/waste propose	Yes, removing separately	Topsoil is utilising for plantation purposes.
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	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	No OB/Waste, topsoil & mineral rejects proposed in composite Scheme of mining & not generation.		

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 correctly, Rule 26(2).	Yes,	Annual Return on 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	I) NIL II) 0.53Ha III) 800/Year IV) 1000m fencing V) Nil VI) ---	i) NIL ii) 0.91Ha iii) 1641 Nos. iv) 965m v) Nil vi) NA	
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) Not Proposed ii) Not Proposed iii) Not Proposed	i) Nil ii) Nil iii) Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Env. Quality monitoring done as per IBM norms.	Air quality Monitoring is being regularly done	
6f	General remarks of inspecting officer on PMCP compliance & progressive Mine closure.	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	400000T	68235.71T	
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 proper 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 and utilization of topsoil	50M3	50M3	Utilising for plantation purposes.
8b	Concurrent use or storage of topsoil	Not Proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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	800 No. /Year	1641 Nos.,	
8g	Survival rate	---	86.53%	
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 , loading, 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-2020-21-16.6.21		
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 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.