

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Pachhtar 32.37 Ha Limestone Mine
1(b)	Name of Inspecting officer	Shri Naman Ekka (Sr. Mining Geologist)
1(c)	Date of Inspection	10/10/2022
1(d)	Accompanying officer	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	Pachhtar 32.37 Ha Limestone Mine
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	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	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	Renewal applied on 19.10.2002 for 20 years. Working u/d deemed renewal as per rule 24(A) of MCR 1960
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
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 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, CEO & Whole time Director, Shree Digvijay Cement Co. Ltd. Digvijaygram, Jamnagar Phone No: 0288-2344072-75 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 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	Jitendra Kumar Sinha, AMIE (Mining) & Second Class Mines Manager Certificate. Experience – 10 Years. Address- Pachhtar Limestone Mines, Shree Digvijay Cement Co. Ltd Village -Pachhtar, Taluka-Bhanvad, Dist.-Devbhumi Dwarka mobile-9099037926, jk444841@gmail.com, date of appointment - 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, AMIE (Mining) & Second Class Mines Manager Certificate. Experience – 10 Years. Address- Pachhtar Limestone Mines, Shree Digvijay Cement Co. Ltd Village -Pachhtar, Taluka-Bhanvad, Dist.-Devbhumi Dwarka mobile-9099037926, jk444841@gmail.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 (2018-19 To 2022-23) MCDR-MPCPOCaFI/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. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposals	As reported no work carried out	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposals	As reported no work carried out	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposals	As reported no work carried out	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposals	As reported no work carried out	
1e	Balance reserves as on 01.04.2022	4961730 tonnes	4961730 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	As Reported no exploration work has been carried out. Mines is non-working due to non clearance from BIRDA Wildlife sanctuary.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No 4 & 5 N 2418450 -N2417850 E 572000 - E 573000	As reported no work carried out	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Top soil / OB so Benches in Mineral proposed	As reported no work carried out in mineral benches	
2c	Stripping ratio or ore to OB ratio	1:0	As reported no work carried out	

2d	Quantity of topsoil generation in m3	No proposal for top soil generation	As reported no work carried out	
2e	Quantity of overburden/IB generation in m3	No proposal for OB generation	As reported no work carried out	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	As reported development of Pit has not been carried out in 2022-23. Mines is non-working due to non clearance from BIRDA Wildlife sanctuary.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	04 & 05	As reported no work carried out	
3b	Quantity of ROM mineral production proposed	135700 MT	As reported no work carried out	
3c	Recovery of salable/usable mineral from ROM production	100%	As reported no work carried out	
3d	Quantity of mineral reject generation	No proposal for Mineral Reject Generation	As reported no work carried out	
3e	Grade of mineral reject generation and threshold value declared	NA	As reported no work carried out	
3f	Quantity of sub-grade mineral generation	NA	As reported no work carried out	
3g	Grade of sub-grade mineral generation	NA	As reported no work carried out	
3h	Manual / Mechanised method adopted for segregating from ROM	Fully Mechanised	As reported no work carried out	
3i	Any analysis or beneficiation study proposed & carried out for sub grade mineral and reject	NA	As reported no work carried out	
3j	Provision of drilling & blasting in mineral benches	NA	As reported no work carried out	
3k	Provision of mining machineries in mineral benches	Ripper-Dozer, Excavator, dumpers	As reported no work carried out	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes O/B - NA Ore - 4.0 M	As reported no work carried out	
3m	Total area covered under excavation/pits	Pit- 4.49 ha	As reported no work carried out	
3n	Ore to OB ratio for the pit/mine during the year	1:0	As reported no work carried out	
3o	Total area put in use under different heads at the end of year	Pit- 4.49 ha Waste/reject - Nil Others- 0.75 ha	Pit- 4.49 ha Waste/reject - Nil Others- 0.75 ha	
3p	Production of ROM mineral during last five-year period, as applicable Pachhtar	Pachhtar Yr-2017-18 950859.00 Yr-2018-19 135700 Yr-2019-20 135700 Yr-2020-21 135700 Yr -2021-22 135700	Pachhtar 2017-18 188069.24 2018-19 125011.15 2019-20 134713.99 2020-21 85674.91 2021-22 135435.52	
3q	General remarks of inspecting officer on method of mining etc.	Method of Mining is opencast and as per approved MP.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	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	No proposal	As reported no work	

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	and outside lease area		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
4j	Number of settling ponds	No proposal	As reported no work carried out
4k	Specific comments of inspecting officer	No proposal for Solid waste dumping. Mines is non-working due to non clearance from BIRDA Wildlife sanctuary.	

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	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 Proposal for backfilling and reclamation and no work carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	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 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	ii) 0.10 Ha iii) 0.10 Ha for Afforestation iii) 100 Nos of sapling planted during the year iv) 4587 Ha	
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 reported no work carried out	

6d Compliance waste land w
i) Afforesta
ii) Area
iii) M
6e C

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) 0.10 Ha for Afforestation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring to be done.	Monitoring on Quarterly basis done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	As reported PMCP Compliance has been carried out and annual report will be sent in time.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM to be despatched	As reported no work carried out	
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	Mines is non-working due to non clearance from BIRDA Wildlife sanctuary.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals	As reported no work carried out	
8b	Concurrent use or storage of topsoil	No Proposals	As reported no work carried out	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NO OB, No Rejects and fines	As reported no work carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	As reported no work carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	As reported no work carried out	
8f	Baseline information on existence of plantation & additional plantation done. (Rule 41)	Pachhtar 32.38 Ha Mines Area is devoid of plantation at the time of Base Line Data collection.	100 Nos. of Lemon and Chicku trees are Planted.	
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	Dust suppression to be done.	Dust suppression being done by using water tankers as well as sprayer.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Lease rea is surrounded by villages with moderate to little vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	M.R. Submitted – September 2022 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 – 209.31 Cost of Production- 209.31	Ex-mine price – 209.31 Cost of Production- 209.31	
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:- No Significant Violations Pointed out.

Naman Ekka
18/10/22
Naman Ekka
Sr. Mining Geologist