

MCDR INSPECTION REPORTI/33765/2024.0 **GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Babarzar Limestone Mine
1 (b)	Name of Inspecting officer & Designation	Naman Ekka, SMG
1 (c)	Accompanying Mines Representatives	Shri Dhrumil Makhecha
1 (d)	Type of Inspection	FMCP
1 (e)	Date of Inspection	11/12/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	76.89 Hectare
3	Minecode	38GUJ07005
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10497/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Prabhudas Vithaldas Post: Babarzar]Ta: Lalpur Dist : Jamnagar Mo No. 9879938555 E-mail - dhrumil.makhecha@gmail.com
6	Village	Babarzar
7	Taluka/Mandal	Lalpur
8	District	Jamnagar
9	Pincode	383410
10	State	Gujarat
11	Post office	Lalpur
12	Nearest police station	Lalpur
13	Nearest Railway station	Lalpur
14	Date of Grant of Mining Lease	16.04.1974
15	Date of Execution	24.11.1975
16	Date of opening of Mine	FEB - 1976
17	Date of first Renewal, if applicable and its period & expiry	24.11.1994- applied
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	As per rule MMDR amendment Act 2015 up to 23.11.2025 by order from IMD MCR/1573(M-20)/5780/CHH Dated 19.06.2020
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Prabhudas Vithaldas Post: Babarzar]Ta: Lalpur Dist : Jamnagar Mo No. 9879938555 E-mail - dhrumil.makhecha@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sh. Rajabhai Makhecha E-mail - dhrumil.makhecha@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Akash Ranjan Ben
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Akash Ranjan Ben
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist Not Appointed.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682 (23)/331/2004 MCCM (N) UDP dated-14-07-2004
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan No. 684(4)(1)/MP-278/2020-21 Dated 09.10.2020 period from 2020-21 to 2024-25
27	Mineral(s) granted in lease and proved for	Limestone

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	mining	
428	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Mechanised.
30	Captive/Non-Captive	Non-Captive

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

1.0 Exploration

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	5 (Five) Bore holes in 2021-22 & 5 (Five) Bore holes in 2022-23	Not done.	Violation issued by previous inspecting officer.
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	As reported during inspection there contains some part of Non-mineralized area. And rest of the area based on open pits may be considered in G1 and G2	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2023	111= 1119035 T 333= 175680 T	111= 1119035 T 333= 175680 T	As per annual returns 22-23
1f	General remarks of inspecting officer on geology, exploration etc.	Violation rule 11(1). Exploration work not done, issued by previous inspecting officer.		

2.0 Development

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit-1	Pit-1	---
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	As reported no work carried out.	--
2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.06	---
2d	Quantity of topsoil generation in m3	4174	Nothing reported upon.	---
2e	Quantity of overburden generation in m3	4256	Nothing reported upon.	---
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.		

3.0 Exploitation

SN	Item	Proposals of (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Pit-1	Pit-1	
3b	Quantity of ROM mineral production proposed	213576 tonnes	15031.4 Tonnes	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	Cement Grade
3d	Quantity of mineral reject generation	NIL	NIL	No mineral rejects generated

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3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	No mineral rejects generated
3f	Quantity of sub-grade mineral generation	NIL	NIL	-
3g	Grade of sub-grade mineral generation	NIL	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	NIL	Nothing reported upon.	-
3j	Provision of drilling & blasting in mineral benches	No	NA	-
3k	Provision of mining machineries in mineral benches	Yes	Rock Breaker, Excavator, Loader and Tippers	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench formed as per the proposal.	-
3m	Total area covered under excavation/pits	3.704 Ha,	Approx. 3.00 Ha,	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.06	1:0.06	-
3o	Total area put in use under different heads at the end of year	3.724 Ha,	Approx. 3.00 Ha	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2018-19= Nil Yr-2019-20= NIL Yr-2020-21= 209269 T Yr-2021-22= 212864 T Yr-2022-23= 213576 T	Yr-2018-19=Nil Yr-2019-20= Nil Yr-2020-21= 142080 T Yr-2021-22= 64600 T Yr-2022-23= 15031.4 T	-
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 of (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NIL	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	NIL	NIL	
4g	Number of dumps established	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	The mining lease area appears to be devoid of OB/Waste.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
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5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction of mineral	Full extraction of mineral	-
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	Utilized for plantation	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
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 of (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(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) 0.02 Ha. ii) 0.02 Ha. iii) 100 Nos. iv) 200 Nos v) Nil vi) 5000/-	i) 0.01 Ha. ii) 0.01 Ha. iii) Approx 50 Nos. iv) 50 Nos. v) Nil vi) Approx. Rs. 4000/-	
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	Not Proposed	Not Proposed	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) 0.02 Hect. ii) 100 Nos iii) Plantation in periphery of the lease area.	i) 0.01 Hect . 50 Nos ii) 50 Nos iii) Plantation in periphery of the lease area.	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes Proposed	Yes	-
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.		

7.0 Mineral Conservation

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	213576 Tonne	15031 MT	NIL

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7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised and Manual breaking and Segregation	Manual breaking and Segregation	NIL
		Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines	NIL	NIL	NIL
7d	Any beneficiation process at mines			
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Found Satisfactory.		

8.0 Environment

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil	YES	Nothing reported upon.	
8b	Concurrent use or storage of topsoil	YES	Nothing reported upon.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37(1))	NA	Negligible quantity found	
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)	Yes, as per PMCP Plantation 100 Nos	Approx. 50 Nos of sapling planted up to 2022-23.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	NA	NA	
8g	Survival rate	As per proposal.	Approx. 50%	
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.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mining lease area is degraded old pit & surrounding ML area is mostly agriculture land.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	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.(2022-23)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME - Akash Ranjan Ben Geologist - NIL	Geologist in charge not mentioned.	Violation of Rule 55(1)3(i)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area,	Already exploited and abandoned	Found in order	

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	dumps etc.	by opencast (O-C) mining - 3.704 Covered Under o/c working -3.704		
9d	Scrutiny of Annual return on afforestation	Trees planted during the year - 240 Survival Rate - 30 % Total No. of Trees- 680	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No generation of Mineral Reject Reported	As reported no mineral Reject generated	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock - 0 Graded ore - Cement Grade - 154748.080 Tons	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine Price - 199.33	Found in order	
9i	Scrutiny of Annual return on fixed assets	Fixed Assets - 0	Found in order	
9k	Scrutiny of Annual return on mining machineries	OTHER HEM MACHINERY - 01 HAULAGE (NON-ELEC.) - 4	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- During the inspection previous violation of Rule 55(1)3(i) found and communicated to lessee for the rectification during inspection.

Naman Ekka
SMG