

## MCDR INSPECTION REPORT

1/29020/2024

**1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Malvada Limestone Mines, 35/P
1 (a)	Name of the lessee	Shri Prakash Jethalal Thakor
1(b)	Name of Inspecting Officer & Designation	Snehalkumar Patel, AME
1(c)	Accompanying Mines Representatives	Mr. Jaydevbhai & Team
1(d)	Type of Inspection	MCDR/Star Rating
1(e)	Date of Inspection	04-05-2023 (AN)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest-4.90 Ha
3	Minecode	38GUJ07073
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/6645/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Prakash Jethalal Thakor R/o- Thakor farm NH-8B, Dhoraji Road, Near Upleta Bypass, Borad, Upleta, Dist.- Rajkot, Gujarat-360490, Mob. 9924278605 E-mail: prakashjthakore@gmail.com
6	Village	Malvada
7	Taluka/Mandal	Jamjodhpur
8	District	Jamnagar
9	Pincode	360490
10	State	Gujarat
11	Post office	Jamjodhpur
12	Nearest police station	Jamjodhpur
13	Nearest Railway station	Jamjodhpur
14	Date of Grant of Mining Lease	25-01-2005
15	Date of Execution	02-03-2005
16	Date of opening of Mine	02-03-2005
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	N/A
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N/A
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	N/A
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	N/A Due to mines not working.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	N/A Due to mines not working.
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. Balram Mining Engineer- N/a Due to mines not working.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(MS-598)/2010-MCCM(N)-UDP, Date – 01-08-2011 684(4)(1)/MP-130/2018-GNR-Dated 13-06- 2018 2018-19 to 2020-21
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-334/2021-22-GNR-Dated 17- 08-2021 Period 2021-22 to 2023-24
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	Non-Captive

**1.0 Exploration**

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	No Proposal	As reported during inspection no work carried out	Entire area is explored to G-1 Level
1b	Exploration over lease area for Geological axis 1 or 2.	5 BH in year 2018-19	Work done. Form I & J submitted.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Self	Work done. Form I & J submitted.	
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	Proposed	As per 01-04-2023 annual returns 111- 523867 T 221- 108394 T	
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व वर्ष 2018-19 में 03 Bore Hole किया गया है।		

**2.0 Development**

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-1	Pit no. 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	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Overall layout of benches found in order.		

**3.0 Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Pit No. 1 & 2	Pit No. 1 & 2	
3b	Quantity of ROM mineral production proposed	98788 Tonne	98788 Tonne	
3c	Recovery of salable/usable mineral from ROM production	95% of ROM & 5% under size	100%	
3d	Quantity of mineral reject generation	4870	Saleable after blending.	No mineral reject
3e	Grade of mineral reject generation and threshold value declared	NIL	Not analysed	
3f	Quantity of sub-grade mineral generation	NIL	NIL	No Sub-grade Mineral
3g	Grade of sub-grade mineral generation	NIL	NIL	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	NIL	NIL	
3j	Provision of drilling & blasting in mineral benches	NIL	NIL	
3k	Provision of mining machineries in mineral benches	Back Hoe Hitachi with combination of Dumpers	As per Proposal.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes O/B-NA Ore-6.0 M	During inspection bench height & width of irregular shape were observed.	Violation issued.

1/29020/2024

3m	Total area covered under excavation/pits	1.545 Ha	1.2 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-1.545 Ha. Reclaimed-rehabilitated-0.035 Others- 0.10 Ha.	Mining 1.20 Ha. No Reclaimed-rehabilitated found.	
3p	Production of ROM mineral during last five-year period, as applicable (MT)	Yr-2018-19-57381 Yr-2019-20-61420 Yr-2020-21-46968 Yr-2021-22-94390 Yr-2022-23-98788	Yr-2018-19- 29275.94 Yr-2019-20- 57360.05 Yr-2020-21- 28852 Yr-2021-22-82635 Yr-2022-23-98788	
3q	General remarks of inspecting officer on method of mining etc.	Back Hoe, dumper combination तरीके से निर्धारित लक्ष्य से कम कार्य किया गया है।		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	1390M <sup>3</sup>	Nothing reported upon.	
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 stabilised	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	No top soil, dump, mineral reject was observed during inspection.		

#### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling.	NIL	NIL	
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	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान Backfilling के लिए Mature नहीं है तथा Filling material उपलब्ध नहीं है।		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	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.	As per rule	Submitted in annual return on 29.06.2023	
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) 0.02 Ha. iii) 150 Nos. iv) NA v) Reservoir. Nil Ha. vi) 15000/-	i) Nil Ha. ii) 0.02 Ha. iii) 30 Nos. iv) 30 Nos. v) Reservoir. Nil Ha vi) Data not available.	Violation of Rule 11(1) has been pointed out in this regard.
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	NIL	NIL	

1/29020/2024

	iv) Rehabilitation by making water 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	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air quality monitoring was done as per CCOM's circular 3/92 during mining.	Nothing reported upon.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	निर्धारित Fencing नहीं करने के कारण दिनांक 06-07-2023 को नियम 11(1) का उल्लंघन जारी किया गया है।		

### 7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NIL	NIL	
7c	Different grade of mineral sorted out at mines	NIL	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	पूर्ण ROM स्वयं के संयंत्र में काम लिए जाने का प्रस्ताव है।		

### 8.0 Environment

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	NIL	Very thin layer of top soil present in lease area.
8b	Concurrent use or storage of topsoil	NIL	NIL	उत्पन्न top soil पौधारोपण के काम ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	There is no dump in the area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	150 Nos of sapling to be planted every year.	Nearby 30% of sapling planted in 2022-23.	Violation issued.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation was proposed total sapling is 300	Nearby 30% of sapling planted in 2022-23.	
8g	Survival rate	As per proposal.	Approx. 50%	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	As & when required	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	निर्धारित plantation नहीं करने के कारण दिनांक 06-07-2023 को नियम 11(1) का उल्लंघन जारी किया गया है।		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and	M.R. Submitted up to till date - Yes	

I/29020/2024

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	No mining engineer, one geologist	No ME present during inspection.	
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	150 no plants was proposed	Not done.	Violation pointed out.
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	NIL	NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine price & Cost of Production is 160 & 240 respectively.	Ex Mine price Rs.160 only.	Due to poor quality.
9i	Scrutiny of Annual return on fixed assets	Yes	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes	As per Proposal.	

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), 34(A) for the rectification of the same within a period of 45 Days.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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