

MCDR INSPECTION REPORT**GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Ranavav Limestone Mine
1 (b)	Name of Inspecting officer & Designation	Shri. Pushpender Gaur (Regional Controller of Mine)
1 (c)	Accompanying Mines Representatives	Smt. Vaneetaben Babulal Lodhia
1 (d)	Type of Inspection	Star Rating
1 (e)	Date of Inspection	18.12.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	8.6199 Ha
3	Minecode	38GUJ08263
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/45641/2023
5	Name of the lessee, Address, phone, email and fax number	Smt. Vaneetaben Babulal Lodhia Near Ranavav Nagarpalika, Taluk: Ranavav, Dist. Porbandar
6	Village	Ranavav
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360577
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	10.12.1976
15	Date of Execution	10.12.1976
16	Date of opening of Mine	-
17	Date of first Renewal, if applicable and its period & expiry	10.12.1996 to 09.12.2016
18	Date of second Renewal, if applicable and its period & expiry	10.12.2016 to 09.12.2026
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Expiry- 09.12.2026
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Ashavin Kumar Zala
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Bhavin M. Thanki Adress : 179, joshi street, opp.Maher Samaj,Bokhira, Porbandar – 360575 bhavinbhudev@gmail.com mo.9064743564
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Bhavin M. Thanki Adress : 179, joshi street, opp.Maher Samaj,Bokhira, Porbandar – 360575 bhavinbhudev@gmail.com mo.9064743564
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Smt. Charuben Solanki 15, Paramdham Station, Near itola railway station, itola – Vadodara – 391243 Solankicharu1310@gmail.com Mo. 7043391160

25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	RMP- 534, dated-08/01/2024 2023-24 to 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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)	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 (2023-24)	Actual work	Remarks
1a	Backlog of previous year	Nil	NA	There is proposal of 4 bore holes of 40 meters for F.Y. 2024-25.
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Not Applicable	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	NA	
1e	Balance reserves as on 01.04.2024	UNFC Code: 111- 156229.15 T 122- 424419.45 T		
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration to be monitored by IO for year 2024-25 as the mine is expiring in 2026.		

2.0 Development

SN	Item	Proposals of (2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit 1 and 2	Pit 1 and 2. 21°41'33.43"N, 69°45'2.89"E, Pit Size- 0.30 Ha.	Development as per the proposal.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Not Applicable	Only in mineral.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	No OB.
2d	Quantity of topsoil generation in m3	No Proposal	Not Applicable	Not applicable
2e	Quantity of overburden generation in m3	No Proposal	Not Applicable	No overburden
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit is as per the proposal. Since the pit was water logged no mining operation found during the time of inspection.		

3.0 Exploitation

SN	Item	Proposals of (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	02	02	
3b	Quantity of ROM mineral production proposed	100000 T	99890 T	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	

3d	Quantity of mineral reject generation	No Proposal	Not Applicable	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable	
3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	
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	No Proposal	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	No Proposal	Not Applicable	
3k	Provision of mining machineries in mineral benches	Hydraulic Excavator Dumper	Back hoe Front end loader Dumper-03 nos Water Tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m	6m	
3m	Total area covered under excavation/pits	4.47 Ha.	4.47 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	Area under Mining- 4.47 Ha Roads- 0.18 Ha	Already exploited and abandoned by opencast (O-C) mining- 4.47 Ha Occupied by plant, buildings, residential, welfare buildings and roads- 0.18 Ha Work done under progressive mine closure plan during the year- 0.10 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2023-24: 100000 T	2023-24: 99890 T	
3q	General remarks of inspecting officer on method of mining etc.	Method of Mining prima facie appears to be carried out by Rock Breaker, excavator and dumper combination. Sizing by manual means has been observed. The mine operates as an open-cast with mainly three pits of various dimensions (mXm) 80X65, 75X50, 150X70 . A kuchha road connects the village and it is used by local residents. During the inspection, mining operations were not observed as the pit was found waterlogged. Stacking has been observed in Southern portion of the lease.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals of (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	No Proposal	Not Applicable	No Dump
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Not Applicable	
4c	Number of dumps within lease area and outside lease	NIL	NIL	

	area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Not Applicable	
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	No Proposal	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Not Applicable	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer	There is no OB/dump in lease area.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals of (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not Applicable	
5b	Area under backfilling of mined out area	No Proposal	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Not Applicable	No topsoil
5d	Total area fully reclaimed & rehabilitated	No Proposal	0.1 Ha area by plantation	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no proposal for backfilling. 0.1 Ha area of plantation carried out in reclamations.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals of (2023-24)	Actual work (2023-24)	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.	Yes	Submitted along with Annual Return	
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	0.1 Ha 150 plants Rs. 50000.00	0.1 Ha 120 plants	During the inspection, it was observed that the saplings were planted in a location different from the proposed location of the approved mining plan. While the plan proposed planting of 150 saplings with a survival rate of 95%, actually, around 120 saplings have survived, resulting in a survival rate of 80%. Violation of Rule 11(1) issued.
	Compliance on reclamation and rehabilitation by backfilling	No Proposal	Not Applicable	

	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			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	0.1 Ha area by plantation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Done	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation work not carried out as per proposal Violation given		

7.0 Mineral Conservation

SN	Item	Proposals of (2022-22)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	100000 T	99890 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	-	Chemical grade and Cement grade	
7d	Any beneficiation process at mines	No Proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no beneficiation issue at mines.		

8.0 Environment

SN	Item	Proposals of (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil	No Proposal	Not Applicable	No topsoil
8b	Concurrent use or storage of topsoil	No Proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37(1))	No Proposal	Not Applicable	No overburden, reject
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Not Applicable	
8f	Baseline information on existence of plantation &	Additional - 150 plants	Additional - 150 plants, survived	

	additional plantation done (Rule 41)		120 plants.	
8g	Survival rate	95 %	80 %	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	PMCP Proposal not followed. Aesthetic beauty in and around the mine area is satisfactory.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Online Monthly and Annual returns	February Monthly Return was submitted on 08-03-2025. 2023-24 Annual Return was submitted on 29-06-2024.		NIL
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager/ Mining Engineer - Mr. Bhavin M. Thanki Geologist- Smt. Charuben Solanki		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by opencast (O-C) mining- 4.47 Ha Occupied by plant, buildings, residential, welfare buildings and roads- 0.18 Ha Work done under progressive mine closure plan during the year- 0.10 Ha		
9d	Scrutiny of Annual return on afforestation	Number plants-150 Survival rate-95%, but during inspection it is observed that the survival rate is 80%.		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: O/S & C/S- NIL, Production- 99890 MT Grade wise: O/S- Nil, Chemical grade C/S- 26035.890 T, Cement grade C/S- 20775.020 T		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value- Rs. 480/- per tonne for Chemical grade and Rs. 348.83/- per tonne for Cement grade EMP- Rs. 480/- per tonne for Chemical grade and Rs. 348.83/- per tonne for Cement grade Production cost- Rs 288.20/- per tonne		
9i	Scrutiny of Annual return on fixed assets	₹ 10450000		
9k	Scrutiny of Annual return on mining machineries	Back hoe Front end loader Dumper Water Tanker		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

- a) During previous inspection on 15/11/2023 no violation was observed, however on record base Violation of Rule 11(4) was detected and communicated to the lease
- b) This inspection was conducted for Star Rating validation. The mine leaseholder self-assessed and gave a 3-Star rating, which was subsequently validated by the IO, confirming the same 3-Star Rating.
- c) During the inspection violation of Rule 11(1), 32(1), 34(A), was detected. These violation were communicated to the mine leaseholder and CGM, Gujarat.
- d) Ltter has been sent to the State Government in regard to outside excavation in Northern part of MLK area dated 28.03.2025.
- e) The drone data has been submitted by the Lessee on 20-06-2024.