

## MCDR INSPECTION REPORT

I/18913/20231.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Ranavav Limestone Mine, (Sy. No.78/5/P)
2A	Inspecting officer with date, Type	Snehalkumar Patel, AME DOI-15-03-2023, MCDR/SDF
2B	Accompanying official	Sh. Devabhai Bhutiya & team
3	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area-12.14 Ha, Non-Forest & Govt. waste land
4	Mine code & IBM Registration Number under rule 45 of MCDR, 17	38GUJ21016 & IBM/8434/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Udaysinh M. Jethwa, C/o-Gatral Bhavan, Devabhai Karabhai Bhutiya Satyam Park, Rajiv Nagar, Dist- Porbandar
6	Village	Ranavav
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	360 575
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	10/02/1975, Expiry- 09/02/2025 for 50 yrs as per MMDR Act 2015
15	Date of Execution	10/02/1975
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	02/08/1994
18	Date of second Renewal, period & expiry	03/02/2014
19	Date of submission of renewal application / deemed extension if any	09/02/2025, Lease period extended as per MMDR amendment act 2015 section 8A (5) (6).
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Shri Devabhai Karabhai Bhutiya Gatral Bhavan, Satyam Park, Rajiv Nagar, Dist- Porbandar
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Ashwinikumar Prasad (Mining Engg.) WEF 01.12.2022.
23	Name of the ME, Qua. & Exp., Address, phone, email, fax, date of appointment	Shri Pratikkumar Pandya (Mining Engg.) WEF 01.12.2022.
24	Whether Geologist & ME appointed in mines satisfy the rule 42, 43 & 44	NA
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23) 955/99 MCCM (N) UDP dated 22.3.2000 for 2000-01 to 2004-05.
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-362)/2006 MCCM (N) UDAI for 2006-07 to 2010-11 Dated-17.10.2006 & 684(4)(1)/MP-253/2019-20- GNR for 2020-21 to 2024-25 Dated-22/11/2019
27	Mineral(s) granted in lease	Limestone
28	Method of Mining (O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	A-Others
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/Review of Mining Plan –

**1.0 Exploration**

SN	Item	Proposals 2022-23	Actual work	Remarks
1a	Backlog of previous year	11 Boreholes (2021-22)	Not Done.	Violation issue.
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease area is not explored fully due to area blocked in HTL & public road etc. Further exploration is proposed in present plan period.		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal.	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	11 core borehole proposed in 2021-22 in plan period	Not done.	Violation Point out.
1e	Balance reserves as on 01.04.2022 (111, 121 & 122)	Proved Mineral Reserve (111) – 629110 ton. (122) – 107400 ton. Remaining Resources (221) – 191130 ton. (222) – 283460 ton. (333) – 1398920 ton.	Proved Mineral Reserve (111) – 629110 ton. (122) – 107400 ton. Remaining Resources (221) – 191130 ton. (222) – 283460 ton. (333) – 1398920 ton.	As per Annual returns.
1f	General remarks of inspecting officer	Full exploration of area is yet to be carried out. At the time of inspection mines was not working.		

**2.0 Development**

SN	Item	Proposals 2022-23	Actual work	Remarks
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2a	Location of development w.r.t. lease area	It was proposed to work in Pit No.2	Excavation was carried out in lower benches/levels of south pits (Pit No.2) & North East pits also.	<i>In absence of O/B stripping ratio is not relevant in this case.</i>
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed for removing separately.	No topsoil & OB generated presently.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation in m3	Not Proposed	NIL	
2e	Quantity of overburden generation in m3	Not Proposed	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, as per plan. There are 04 number of pits are developed by way of mine workings & partly merged with each other. The lease area is having chemical/cement grade limestone in future use.		

### 3.0 Exploitation

SN	Item	Proposals 2022-23	Actual work	Remarks
3a	Number of pits proposed for production (Plate no 5A to 5E)	01 pit, It was proposed to work in Pit No.2		
3b	Quantity of ROM mineral production proposed	1,25,000 T	1,24,780	Entire ROM is saleable & utilises.
3c	Recovery of saleable/usable mineral from ROM production	Not Proposed	100% recovery (Entire ROM utilises)	
3d	Quantity of mineral reject generation	Not Proposed	NIL (Entire ROM utilises & saleable)	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Entire ROM is utilise & no mineral rejects /subgrade generated presently.	Entire ROM is utilising by sizing, sorting & blending as per buyers need by in pit crushing.
3f	Quantity of sub-grade mineral generation	Not proposed	No subgrade is generated.	
3g	Grade of sub-grade mineral generation	Not Proposed	Not generated presently	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual / Mechanised	Mechanised	Size separation is done by crusher
3i	Any analysis or beneficiation study proposed & carried out for sub-grade/ mineral reject	Not Proposed	NA	-
3j	Provision of drilling & blasting in mineral benches	Not Proposed	NA	-
3k	Provision of mining machineries in mineral benches	Rock breaker/Excavator Loader, tipper combination.	Excavator/breakar-01 JCB-01, Tippers, water tanker etc.	
3l	Whether height of benches in OB & mineral suitable for method of mining proposed	Mechanised working with regular bench height	Mechanised working with Irregular bench height & width	
3m	Total area covered under excavation/pits	Total 6.2636 Ha area proposed in present plan period 2020-21 to 2024-25 (Up to 09.02.2025)	Total excavated area is about 4.620 Ha as on 01.04.2022	
3n	Ore to OB ratio for the pit/mine during the year	NIL	NIL	
3o	Total area put in use under different heads at the end of year	Pit- 5.9250 Hect. Infra-0.0166Ha, Road-0.3220Ha	About Pit-4.620 Ha. Infra-0.0166Ha, Road-0.3220Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19-1,25,000 T 2019-20-11,25,000 T 2020-21-1,25,000 T 2021-22-1,25,000 T 2022-23-1,25,000 T	2018-19- 1,26,000 T 2019-20- 125025T 2020-21-46000 T 2021-22- 124999 T 2022-23- 1,24,780 T	Court case/prosecution already launched & matter is under process.
3q	General remarks of inspecting officer on method of mining etc.	No working on inspection day. The lessee is using mechanised method by using HEMM (Excavator/Rock breaker with tipper combination) & without drilling & blasting using.		

### 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)	Not proposed	NA	Topsoil quantity generated if any, was utilised for plantation purposes with in 7.5m of statutory barrier etc.
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	
4c	Number of dumps within lease area and outside lease area	Not proposed	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	NA	
4e	Number of active & alive dumps	Not proposed	NA	
4f	Number of dead dumps	Not proposed	NA	
4g	Number of dumps stabilised	Not proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	NA	
4j	Number of settling ponds	Not proposed	NA	

4k I/18913/2023	Specific comments of inspecting officer	No waste material observes during the inspection. Topsoil is utilising purely for Plantation purposes, if any.
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**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	No proposal	Not applicable	No O/B is proposed & generated. Hence backfilling is not feasible.
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			
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NA		

**6.0 Progressive Mine Closure Plan**

SN	Item	Proposals 2022-23	Actual work	Remarks
6a	(1) Whether Annual report on PMCP submitted on time and correctly Rule 26 (2). Details should be given in the format.	Proposed	Annual report on PMCP is submitted for 2021-22	
6b	Management of worked/mined out benches Area available for rehabilitation (ha)	Since UPL is not yet attained. Hence not proposed.	Not done	There is no OB /waste generated.
	Afforestation done (ha)	0.1 Ha.	0.1 Ha	
	No. of saplings planted during the year	100	100	
	Cumulative no. of plants	NA	NA	
	Any other specific method of rehabilitation	Fencing(M)-197 No. of Saplings-100 Maintenance- 5000/-	Not done	
	Cost incurred on watch & care during the year	10000/-	10000/-	
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	Not proposed	NIL	NIL
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal.	NA	
6e	Compliance of Environmental monitoring (core zone/buffer zone)	Proposed for 1. Ambient Air Quality - 10000/- 2. Water Quality – 10000/- 3. Noise Level survey - 10000/-	Periodic monitoring of air, water, noise done by third party agency & with in permissible limit.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Strikingly aesthetic plantation at office premises.		

**7.0 Mineral Conservation**

SN	Item	Proposals 2022-23	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1,25,000 T (2022-23) 1,25,000 T (2021-22)	404.15 T (2022-23) 35,135.320 T (2021-22)	Lessee is utilizing entire ROM by proper sorting & sizing as per plant requirement.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual & Machines	Both for sizing, sorting & blending	
7c	Different grade of mineral sorted out at mines	Chemical/Cement grade limestone	Mostly for nearby cement industry utilises.	
7d	Any beneficiation process at mines	Not proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation etc.	Found Satisfactory.		

**8.0 Environment**

SN	Item	Proposals 2022-23	Actual work	Remarks
8a	Separate removal & utilization of topsoil	No proposal.	NA	Topsoil is removing
8b	Concurrent use or storage of topsoil	No proposal.	NA	

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8c	Separate dumps for overburden, waste rock, rejects and fines	No proposal (although soil encountered if any was proposed to be utilized for plantation purpose)	Nil	separately & utilising for plantation purposes in past.
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original.	No proposal	NA	
8e	Phased restoration, reclamation & rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	NA	
8f	Baseline information on (Rule 41) existence of plantation & additional plantation done	Proposal for plantation 100 with in 7.5m of statutory barrier etc.	Nil	
8g	Survival rate	NA	About 40%	
8h	Water sprinkling on roads to control airborne dust	Proposed.	As per proposal by water tankers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Found Satisfactory.		

**9.0 Compliance of Rule 45**

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to March-2023 A.R. submitted up to 2022-23 yet to be submitted. .		
S.N	Item	Details GIVEN in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist & Manager	Annual return 2022-23 yet to be submitted.		
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 current inspection and compliance position of earlier violation pointed out:** - No violation pending. During inspection violation of Rule 11(1), 24(1) & 55(1)(3) for the rectification of the same within a period of 45 Days.

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