

MCDR INSPECTION REPORT**1.0 GENERAL**

S.N.	Particulars	Details
1 (a)	Name of the Mine	Rakka Limestone Mines (4.0Ha)
1(b)	Name of Inspecting Officer	Ashish Pal, Assistant Mining Geologist
1 (c)	Accompanying Mines Representatives	Virtual Inspection
1(d)	Type of Inspection	Virtual Inspection
1(e)	Date of Inspection	19-03-2025
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 4.0Ha, Survey Nos.: 106/1P
3	Mine-code	38GUJ07085
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21071/2017
5	Name of the lessee, Address, phone, email and fax number	Sh. Rajendra P Trivedi, Near S.N.K.School, University Road, District-Rajkot,Gujarat-360001, Phone-8200691370 trivedirajendraap@rediffmail.com
6	Village	Rakka
7	Taluka/Mandal	Lalpur
8	District	Jamnagar
9	Pin code	361315
10	State	Gujarat
11	Post office	Lalpur
12	Nearest police station	Jamnagar
13	Nearest Railway station	Jamnagar
14	Date of Grant of Mining Lease	01-06-2012
15	Date of Execution	01-06-2012 to 31-05-2062 for as per MMDR Amen. Act 2015
16	Date of opening of Mine	2012-13
17	Date of first Renewal, if applicable and its period & expiry	--
18	Date of second Renewal, if applicable and its period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	--
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sh. Rajendra P Trivedi, Near S.N.K.School, University Road, District-Rajkot,Gujarat-360001, Phone-8200691370 trivedirajendraap@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sh. Rajendra P Trivedi, Near S.N.K.School, University Road, District-Rajkot,Gujarat-360001, Phone-8200691370 trivedirajendraap@rediffmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	--
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	--
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan was approved vide letter no 682(23)/MS/794/2011 MCCM/UDP Dated-12.4.2012 for 2012-13 to 2016-17.
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-179(147)(27)/2018/MDRD/N/GNR Dated 19.11.2018 for 2018-19 to 2021-22.
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)	A-Category
30	Captive/Non Captive	Non-Captive

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

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No proposal	As reported, no work carried out in 2023-24.	-
1b	Exploration over lease area for Geological axis 1 or 2.			
1c	Exploration Agency & Expenditure in lakh			-

	Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Approved proposal	-	No work reported
1e	Balance reserves as on 31.03.2024 (Tonnes)	UNFC (111,121&122)-0.23452 million tonne as per approved RMP 29.6.18		
1f	General remarks of inspecting officer on geology, exploration etc.	Earlier exploration work has been carried out.		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	No Approved proposal	No development observed as per Drone data image	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Approved proposal	Irregular Benches have been seen in drone data images.	-
2c	Stripping ratio or ore to OB ratio	No Approved proposal	Nil	-
2d	Quantity of topsoil generation in m3	No Approved proposal	Nil	-
2e	Quantity of overburden generation in m3	No Approved proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	As seen in drone image mining lease area developed by mine pits of limestone deposits.		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	No Approved proposal	Pit with irregular work	Variation in RL and drone image has been observed as compared to data of 2022-23 vs 2023-24
3b	Quantity of ROM mineral production proposed	No Approved proposal	Production from Pit is not observed in drone image	
3c	Recovery of saleable/usable mineral from ROM production	No Approved proposal	Nil	
3d	Quantity of mineral reject generation	No Approved proposal	Nil	
3e	Grade of mineral reject generation and threshold value declared	No Approved proposal	Nil	
3f	Quantity of sub-grade mineral generation	No Approved proposal	Nil	
3g	Grade of sub-grade mineral generation	No Approved proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No Approved proposal	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Approved proposal	Nil	
3j	Provision of drilling & blasting in mineral benches	No Approved proposal	Nil	
3k	Provision of mining machineries in mineral benches	No Approved proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Approved proposal	Nil	
3m	Total area covered under excavation/pits	No Approved proposal	As per drone data total Excavated area 3.09 ha.	
3n	Ore to OB ratio for the pit/mine during	No Approved	Nil	

	the year	proposal		
3o	Total area put in use under different heads at the end of year	No Approved proposal	Area under mining 3 ha. Plant, building & roads 0.2 ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2019-20-58652T Yr-2020-21-58652T Yr-2021-22-58652T Yr-2022-23 – No Approved Proposal Yr- 2023-24 No Approved Proposal	2019-20- 98369.5T 2020-21- 144601T 2021-22- 5570.69 T 2022-23- Nil 2023-24 - Nil	
3q	General remarks of inspecting officer on method of mining etc.	There is no approved mining plan for the year 2023-24.		

4.0 Solid Waste Management-Dumping

No Solid Waste Management Dumping				
SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Approved proposal	As reported no work carried out.	
4b	Location of topsoil, OB & mineral reject dumps	No Approved proposal	As reported no work carried out.	
4c	Number of dumps within lease area and outside lease area	No Approved proposal	As reported no work carried out.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Approved proposal	As reported no work carried out.	
4e	Number of active & alive dumps	No Approved proposal	As reported no work carried out.	
4f	Number of dead dumps	No Approved proposal	As reported no work carried out.	
4g	Number of dumps stabilised	No Approved proposal	As reported no work carried out.	
4h	Whether Retaining wall or garland drain all along dumps are there	No Approved proposal	As reported no work carried out.	
4i	Length of Retaining wall or garland drain all along dump	No Approved proposal	As reported no work carried out.	
4j	Number of settling ponds	No Approved proposal	As reported no work carried out.	
4k	Specific comments of inspecting officer	As reported no Solid waste generated.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Approved proposal	Nil	-
5b	Area under backfilling of mined out area	No Approved proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Approved proposal	Nil	-
5d	Total area fully reclaimed & rehabilitated	No Approved proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	As reported, no backfilling was overserved in the mine.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2).	Yes submitted on 29-06-2024		As per drone Image no work carried out.

6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No Approved proposal	Nil	
(ii)	Afforestation done (ha)	No Approved proposal	Nil	
(iii)	No. of saplings planted during the year	No Approved proposal	Nil	
(iv)	Cumulative no. of plants	No Approved proposal	Nil	
(v)	Any other specific method of rehabilitation	No Approved proposal	Nil	-
(vi)	Cost incurred on watch & care during the year	No Approved proposal	Nil	-
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Approved proposal	Nil	-
(ii)	Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings	No Approved proposal	Nil	
(iii)	Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the backfilled area	No Approved proposal	Nil	
(iv)	Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir	No Approved proposal	Nil	
(v)	Compliance on reclamation and rehabilitation by backfilling v) Any other specific means	No Approved proposal	Nil	
6d	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No Approved proposal	Nil	
	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No Approved proposal	Nil	
	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No Approved proposal	Nil	
6e	General remarks of inspecting officer on PMCP compliance & progressive	There is no approved mining plan for the period 2023-24.		

7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Approved proposal	Nil	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Approved proposal	Nil	-
7c	Different grade of mineral sorted out at mines	No Approved proposal	Nil	-
7d	Any beneficiation process at mines	No Approved proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No activity has been observed in given drone data images.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Approved proposal	Nil	

8b	Concurrent use or storage of topsoil	No Approved proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Approved proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Approved proposal	Nil	As per drone Images no work carried out.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Approved proposal	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No Approved proposal	Nil	
8g	Survival rate	No Approved proposal	Nil	
8h	Water sprinkling on roads to control airborne dust	No Approved proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As per drone images, mine is surrounded by little to no vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a.	Status of submission of Monthly and Annual returns	All the monthly returns for the year 2023-24 submitted. Annual return was submitted for the year 2023-24 on 29-06-2024.	

S.N	Item	Details Given in Annual return	Observation of I/c Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer, Geologist and Mine Manager in annual return 2023-24 has not been mentioned.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited and abandoned by open cast (o-c) -3 ha. Occupied by plant, building and roads- 0.20 ha.	As per Drone Images- Area under mining- 3.09 ha.	
9d	Scrutiny of Annual return on afforestation	No. of trees planted during the year-0	No Changes observed in drone image as compared to last year.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject-0	-	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock- 0 Closing stock - 0	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	-	NA	
9i	Scrutiny of Annual return on fixed assets	-	NA	
9k	Scrutiny of Annual return on mining machineries	-	NA	

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

- Court case filed by this office on 18.03.2025 for non-compliance of violation of rules 11(1), 11(4), 26(2), 27(2), 33, 35(2) read with 35(4B), 45(5)(b)&(c) read with 45(7) and 55(1)(3) of MCDR, 2017.
- No significant Violation Observed.
- Drone data has been submitted on DDMS portal. The data has been analysed and not found as per SOP therefore referred back on DDMS portal.
- MIDPAS report uploaded in website.

Ashish Pal,
Assistant Mining Geologist
Indian Bureau of Mines

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