

**MCDR INSPECTION REPORT**

**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Vadekhan Limestone Mine
1(b)	Name of Inspecting Officer & Designation	R.Majumder, RMG
1(c)	Accompanying Mines Representatives	Mr Hardasbhai Govindbhai Bhimbha
1(d)	Type of Inspection	Star Rating & MCDR
1(e)	Date of Inspection	29.3.2022 AN
2	Total Lease Area (Ha) with Non-forest and forest land	4.0 ha (Non Forest Land)
3	Mine Code	38GUJ13002
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/18344/2014
5	Name of the lessee, Address, phone, email and fax number	Shri Hardasbhai Govindbhai Bhimbha, Village - Tanasava, Talika - Upleta, Dist - Rajkot, Pin- 360490, Phone - 9898350555, Email -kanaiyatransport@gmail.com
6	Village	Tanasava
7	Taluka/Mandal	Upleta
8	District	Rajkot
9	Pin code	360490
10	State	Gujarat
11	Post office	Tanasava
12	Nearest police station	Upleta
13	Nearest Railway station	Upleta
14	Date of Grant of Mining Lease	22 <sup>nd</sup> October 2009
15	Date of Execution	13 <sup>th</sup> January 2010
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable, its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Hardasbhai Govindbhai Bhimbha, Village - Tanasava, Taluka - Upleta, Dist - Rajkot, Pin- 360490, Phone - 9898350555, Email - kanaiyatransport@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	---
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	---
23	Name of the ME, Qualification & 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 55 & carrying out their duties	---
25	Date of Approval of MP/MMP with five-year period and specific condition in approval letter, if any.	14 <sup>th</sup> July 2009
26	Date of Approval of SOM/Modified SOM with five-year period and specific condition in approval letter, if any.	9 <sup>th</sup> April 2019
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. -

Exploration		Proposals (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	---	NIL	
1c	Exploration Agency & Exp. in lakh Rs during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring G-axis in 1 or 2	Not Proposed	NIL	
1e	Balance reserves as on 01.04.2021.	556095 tonnes (111- 487012 , 121- 69083 tonnes)		
1f	General remarks of inspecting officer on geology, exploration etc.	The lease area is developed by mine pit. In most of the places ore are exposed to the surface.		



## 2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No.1	Pit No.1	
2b	Separate benches in topsoil, OB, mineral	Proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m <sup>3</sup>	Not Proposed	NIL	
2e	Quantity of overburden generation in m <sup>3</sup>	Not Proposed	NA	
2f	General remarks of I/officer on development of pit w.r.t. type of deposit etc.	The lease area is developed by mine pit. In most of the places ore are exposed to the surface.		

## 3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	One Pit	One Pit	
3b	Quantity of ROM production proposed	1,27,795 T	Nil	Mine is under temporary discontinuance.
3c	Recovery of saleable/usable mineral from ROM production	95%	As per proposal	
3d	Quantity of mineral reject generation	6389.7 T (5%)	NIL	
3e	Grade of mineral reject generation and threshold value declared	34%CaO THV	As per Proposal	
3f	Quantity of sub-grade mineral generation	Not Proposed	NIL	
3g	Grade of sub-grade mineral generation	Not Proposed	NIL	
3h	Manual/Mech. method for segregating from ROM	Manual	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral reject	Not Proposed	NIL	
3j	Provision of drilling & blasting in benches	Not Proposed	NIL	
3k	Provision of mining machinery in benches	JCB/Loader, tipper etc.	----	
3l	Whether height of benches in OB & and mineral suitable for method of mining	Bench Height – 6mt	3mt in Ore	
3m	Total area covered under excavation/pits	3.6952 ha	2.9422 ha	
3n	Ore to OB ratio, for pit/mine during year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	3.6952 ha	2.9422 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18 – 1,40,000T 2018-19 – 1,44,509T 2019-20- 90,859T 2020-21- 98,241T 2021-22- 1,27,795T	2017-18 – 70,000T 2018-19 – 1,52,000T 2019-20- 2,19,000T 2020-21-60,800T 2021-22-NIL (till Feb'22)	Mine is under temporary discontinuance.
3q	General remarks of inspecting officer on method of mining etc.	Mining area needs to covered with fencing as it has touched the boundary of the lease in between BP 1 and BP 2.		

## 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not Proposed	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	NA	
4c	Number of dumps within lease/ outside lease area	Not Proposed	NA	
4d	Location of dumps w.r.t. ultimate pit limit	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 Applicable	NA	
4h	Whether Retaining wall/garland drain along dumps	Not Applicable	NA	
4i	Length of Retaining wall garland drain along dump	Not Applicable	NA	
4j	Number of settling ponds	Not Applicable	NA	
4k	Specific comments of inspecting officer	No proposal was given.		

## 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	NA	



5b	Area under backfilling of mined out area	Not Proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not Proposed	Used in plantation area.	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No such area was available		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	Report for the year 2020-21 under rule 26(2) has been submitted to IBM.		
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	Not Proposed	NA	
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	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Plantation - 0.15 ha Proposed - 150 no	Poor survival rate	--
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Not done	Temporary discontinued
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP report for the year 2020-21 has been submitted		

#### 7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed	No production done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual/Mech.	Manual/Mech.	
7c	Different grade of mineral sorted out at mines	Not Proposed	NA	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Temporary discontinued		

#### 8.0 Environment

SN	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Not Proposed	NIL	
8b	Concurrent use or storage of topsoil	Not Proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations	Not Proposed	NIL	
8f	Baseline information on existence of plantation & additional plantation done	Proposed	Plantation done	
8g	Survival rate	--	Poor survival rate	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	As per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The environment in & around the mine is good.		

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9. Compliance of Rule 48

S/N	Item	COMMENTS	Remarks
	Status of submission of Monthly / Annual returns	M.R. AR Submitted up to - Feb'22 & AR-2020-21 submitted.	
	Scrutiny of Annual return on M.E., Geologist and Manager	Details GIVEN Not Appointed	Obs. of I/Officer Remarks
9c	Scrutiny of AR on land use pattern under pits, reclaimed area etc.	Details mentioned in AR.	Mine is under temporary discontinuation. Details mentioned in AR. Mine is under temporary discontinuation.
9d	Scrutiny of Annual return on afforestation	150 no plants was proposed	Plantation done. Poor survival rate.
9e	Scrutiny of Annual return on mineral reject generation	Not Proposed	--
9f	Scrutiny of Annual return on ROM stock	20396 tonnes of cement grade limestone reported in the AR	During inspection stock observed.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & Costtt	Cost of Production is 140.6 INR	--
9i	Scrutiny of Annual return on fixed assets	Not Proposed	--
9k	Scrutiny of Annual return on mining machineries	--	--

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Presently mine was inspected for Star Rating & during inspection lease boundary pillars were not available/erected & maintained as per statute & working appears outside. Presently no major violation has been pointed out. Mine is under temporary discontinuation. Star rating evaluation has been done as 3 star.

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31.2.2022