

I/33696/2024

**MCDR Inspection Report****1.0 GENERAL**

<b>SN</b>	<b>Particulars</b>	<b>Details</b>
1 (a)	Name of the Mine	Vadekhan Limestone Mine
1 (b)	Name of Inspecting officer & Designation	SnehalKumar Patel (Assistant Mining Engineer, IBM)
1 (c)	Accompanying Mines Representatives	Shri Hardasbhai Govindbhai Bhimbha (Owner)
1 (d)	Type of Inspection	Review of Mining Plan
1 (e)	Date of Inspection	06.09.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	04.00 Hectare
3	Minecode	38GUJ13002
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/9925/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Hardasbhai Govindbhai Bhimbha At. Tanasava, Upleta, Tahsil- Upleta, District- Rajkot, Gujarat-360490 Mo No. 9898350555 E-mail: kanaiyatransport@gmail.com
6	Village	Vadekhan
7	Taluka/Mandal	Upleta
8	District	RAJKOT
9	Pincode	360490
10	State	Gujarat
11	Post office	Jam Jodhpur
12	Nearest police station	Jam Jodhpur
13	Nearest Railway station	Jam Jodhpur
14	Date of Grant of Mining Lease	22-10-2009
15	Date of Execution	13-01-2010
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	NIL
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	NIL
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Hardasbhai Govindbhai Bhimbha At. Tanasava, Upleta, Tahsil- Upleta, District- Rajkot, Gujarat-360490 Mo No. 9898350555 E-mail: kanaiyatransport@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA Mine was temporary discontinued on 09-08-2020 to till due to NGT order & under processing of EC.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	NA
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 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)655/2009 MCCM(N)UDP Dated: 14-07-2009
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<b>Review of Mining Plan</b> No. 684(4)(1)/MP-210/2019 MDRD(U)GNR Dated 08.04.2019 Period from 2019-20 to 2023-24
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 (2022-23)	Actual work	Remarks
1a	Backlog of previous year	Nil	Area already G1.	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil		
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil		
1e	Balance reserves as on 01.04.2023	Nil	111- 487012 MT 121- 69083 MT 211- 64078 MT 221- 80699 MT	As per annual returns.
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। Last approved plan 6 trenches completed.		

### 2.0 Development

SN	Item	Proposals of (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit- 01	Pit- 01	---
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	There was no such proposal	Limestone is outcropping in nature, No soil or OB proposed.	.
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.	Lease area is developed by 01 mine pits in irregular shape due to sloppy area.		

### 3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	One	Not done any ROM production due to statutory notice & EC under process. However Dispatch of 100 Tons has been reported in Annual returns 2022-23.	
3b	Quantity of ROM mineral production proposed	150000 MT		
3c	Recovery of salable/usable mineral from ROM production	Nil		
3d	Quantity of mineral reject generation	Nil		
3e	Grade of mineral reject generation and threshold value declared	Nil		
3f	Quantity of sub-grade mineral generation	Nil		
3g	Grade of sub-grade mineral generation	Nil		
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil		
3j	Provision of drilling & blasting in mineral benches	Nil		
3k	Provision of mining machineries in mineral benches	Nil		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	During inspection bench height & width of irregular shape were observed.	Violation of Rule 11(1) has been pointed out in this regard.
3m	Total area covered under excavation/pits	3.448 Ha,	3.488 Ha.	As per annual returns.
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	-

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3o	Total area put in use under different heads at the end of year	0.003 Ha.	0.003 Ha.	As per annual returns.
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2018-19= 144509 Yr-2019-20=90859 T Yr-2020-21=98241 T Yr-2021-22=127795 T Yr-2022-23=150000 T.	Yr-2018-19=130000 T Yr-2019-20= 219000 T Yr-2020-21= 60800 T Yr-2021-22= Nil Yr-2022-23= Nil	-
3q	General remarks of inspecting officer on method of mining etc.	Presently mine is not working due to statutory notice & EC under process. However Dispatch of 100 Tons has been reported in Annual returns 2022-23.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Nil	Nil	Mine is not working due to statutory notice & EC under process.
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 established	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 of (2022-23)	Actual work (2022-23)	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	There is practically no soil covering in this area.		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	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 in annual return on 30.06.2023	-
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) 0.15Ha. iii) 150 Nos. iv) NA v) Nil Ha. vi) Nil	i) Nil Ha. ii) Not done. iii) Not done. iv) 50 Nos. aprox v) Nil Ha vi) Data not available.	Violation of Rule 11(1) has been pointed out in this regard.

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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	Plantation in periphery of the lease area	Nil	-
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)	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration to be monitor and should be in limit.	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration is measured with in limit.	-
6f	General remarks of inspecting officer on PMCP compliance & progressive.	Violation issued on 07-11-2023 on Rule 11(1) due to fencing and plantation properly not done. Environment of the mining area is good.		

### 7.0 Mineral Conservation

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	150000 Tonne	100 Tonne	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised and Manual breaking and Segregation	Nil	
		Mechanised	Mechanised	
7c	Different grade of mineral sorted out at mines	NIL	NIL	
7d	Any beneficiation process at mines			
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Presently mine is not working due to statutory notice & EC under process. However Dispatch of 100 Tons has been reported in Annual returns 2022-23. The overall environmental condition of the mining area is good.		

### 8.0 Environment

SN	Item	Proposals of (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil	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 37(1))	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	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes, as per PMCP Plantation 150 Nos	Nearby 20% of sapling planted in 2022-23.	Violation of Rule 11(1) has been pointed out in this regard.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per PMCP Plantation 150 Nos	Nearby 20% of sapling planted in 2022-23.	
8g	Survival rate	90%	Approx. 30%	
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	Violation of Rule 11(1) has been pointed out.		

I/33696/2024.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date - Yes A.R. submitted for the year 2022-23 on 30-06-2023		
S.N	Item	Details given in A.R.(2022-23)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not motioned	--	Mine is not working due to statutory notice & EC under process.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast working 3.4483 Ha.	Found in order Opencast working 3.443 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the Year within Lease area – 150 Nos	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		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cement Grade - Ex-Mine Price – Rs. 195.00 /Tons		
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets –Rs. 0.00		
9k	Scrutiny of Annual return on mining machineries	Mining Machinery – Nil due to mine is not working.		

Note:- As per the letter received from the O/o Commissioner of Geology and Mining, Govt. of Gujarat dated 05/01/2024 regarding Status of Lease Validity, this mines is in the list of existing mining lease which are not lapsed under Section 4A(4) of the MMDR Act.

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

During the inspection on 07-11-2023 violations pointed out of MCDR Rule 11(1) for rectification.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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