

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Ranavav Limestone Mine, (Sy. No.78/5/P)
2A	Inspecting officer with date, Type	Naman Ekka, SMG, 26/06/2021
2B	Accompanying official	Deva Kara Bhutiya
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	Sh. Uday Singh M Jethwa, C/o-Gatral Bhavan, Satyam Park, Rajiv Nagar, 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	10/2/1975, Expiry- 09/2/2025 for 50yrs as per MMDR Act 2015
15	Date of Execution	18/2/1975
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	05/07/1994
18	Date of second Renewal, period & expiry	24/01/2014
19	Date of submission of renewal application / deemed extension if any	09/2/2025, 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	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Gajendar Sinh Vaghela, BE (Mining Engg.) WEF 01.2.2019.
23	Name of the ME, Qua. & Exp., Address, phone, email, fax, date of appointment	Shri Gajendar Sinh Vaghela, BE (Mining Engg.) WEF 01.2.2019.
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-37(86/17)/2017) GNR for Jan, 18 to 2019-20. Dated-24.1.2018

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/scheme of mining. –

### 1.0 Exploration

SN	Item	Proposals 2020-21	Actual work	Remarks
1a	Backlog of previous year	To drill 03 core boreholes (2019-20)	Drilled three core BH	
1b	Exploration over lease area for Geological axis 1 or 2.	NO proposal for 2020-21	NO BH Drilled	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NO proposal	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	No work done	Entire area has to be explored in G1
1e	Balance reserves as on 01.11.2019 (111, 121 & 122)	111 – 0.70897 Mio. T 122 – 0.10740 Mio. T 221 – 0.19113 Mio. T 222 – 0.28346 Mio. T 333 – 1.39829 Mio. T		
1f	General remarks of inspecting officer	Entire area has to be explored in G1. At the time of inspection mines was not working.		

### 2.0 Development

SN	Item	Proposals 2020-21	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in Pit No.2	At the time of inspection mines was not working.	At the time of inspection mines was not working.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed for removing separately.	At the time of inspection mines was not working.	
2c	Stripping ratio or ore to OB ratio	1:0.0	At the time of inspection mines was not working.	
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.	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. At the time of inspection mines was not working.		

### 3.0 Exploitation

SN	Item	Proposals 2020-21	Actual work	Remarks
3a	Number of pits proposed for production	01 pit, It was proposed to work in Pit No.2	At the time of inspection mines was not working.	
3b	Quantity of ROM mineral production proposed	1,25,000 T	44486.780 T	At the time of inspection mines

				was not working.
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	Presently not requires any beneficiation study.	-
3j	Provision of drilling & blasting in mineral benches	J/H drilling & blasting as and when requires	As proposed	-
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	About 0.45Ha. Total 1.05Ha area proposed in present plan period 2018-19 & 2019-20	About 0.5Ha. Total excavated area is about 4.6Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year (as on 31.03.2018)	Pit- 2.55 Hect. Stack- 0.01Ha, Infra- 0.02Ha, Road-0.22Ha Plantation-0.13Ha	Pit-4.6Ha, Stack- 0.25Ha, Infra- 0.03Ha, Road 0.27Ha Plantation-0.20Ha	Court case/prosecution already launched & matter is under process.
3p	Production of ROM mineral during last five-year period, as applicable	2016-17-NA 2017-18 -25000T 2018-19-125000T 2019-20-125025T 2020-21 -125000 T	84350 T 25000 T 126000 T 124993.920 T 44486.780 T	
3q	General remarks of inspecting officer on method of mining etc.	The lessee is using mechanised method by using HEMM (Excavator/Rock breaker with tipper combination) & without drilling & blasting using. At the time of inspection mines was not working.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals 2019-20	Actual work	Remarks
4a	Separate dumping of topsoil,	Not proposed, since area	Topsoil is not	Topsoil quantity

	OB/Mineral reject (Rule 32, 33)	is devoid of OB/Waste.  Not proposed, since ML area is devoid of OB/waste. Therefore no active/dead OB/waste dump existed & no safety & protective measures require presently.	generated presently.	generated if any, was utilised for plantation purposes with in 7.5m of statutory barrier etc.
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilised			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer	No overburden/waste is generated presently in lease area. Topsoil is utilising purely for plantation purposes, if any. At the time of inspection mines was not working.		

### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals 2020-21	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	ML area is devoid of OB / waste & entire ROM is saleable.	Not done	No O/B is proposed & generated. Hence backfilling is not feasible.
5b	Area under backfilling of mined out area	UPL is not attained, hence not proposed	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.	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out. At the time of inspection mines was not working.		

### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals 2020-21	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 not submitted for 2020-21	V/L under provision of rule 26(2) pointed out for rectification.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted	Since UPL is not yet attained .Hence not proposed.	Not done	There is no OB /waste generated.

	during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year			
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	100 No of Saplings proposed in 7.5m safety zone area	NIL	Violation of 11(1)
6e	Compliance of Environmental monitoring (core zone/buffer zone)	Proposed for periodic monitoring of air borne dust, water, noise etc.	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	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out. Periodical environment monitoring is being carried out by third party. At the time of inspection mines was not working.		

### **7.0 Mineral Conservation**

SN	Item	Proposals 2020-21	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	Lessee is utilizing entire ROM by proper sorting & sizing as per plant requirement. At the time of inspection mines was not working.
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.	There is no mineral rejects/subgrade generated presently. Entire ROM is utilised by proper sizing & sorting, blending as per buyers requirement. No beneficiation study is requires.		

### **8.0 Environment**

SN	Item	Proposals 2020-21	Actual work	Remarks
----	------	-------------------	-------------	---------

8a	Separate removal & utilization of topsoil	Topsoil is proposed for removing separately & utilises for plantation	Done accordingly & stacked in 7.5m for plantation purposes	Topsoil is removing separately & utilising for plantation purposes in past. At the time of inspection mines was not working.
8b	Concurrent use or storage of topsoil	Not proposed for concurrent use	Not done	
8c	Separate dumps for overburden, waste rock, rejects and fines	ML area is devoid of OB/Waste	No OB/waste generated	
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original.	Not proposed	NIL	
8e	Phased restoration, reclamation & rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	NIL	
8f	Baseline information on (Rule 41) existence of plantation & additional plantation done	Proposal for plantation with in 7.5m of statutory barrier etc.	NIL	At the time of inspection mines was not working.
8g	Survival rate	NA	About 70%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road is provided	Water spraying on haul road	At the time of inspection mines was not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The aesthetic beauty of area is mine working pits & very few plantation done in 7.5m but surrounding area is less irrigated land & scanty shrub are observed. . At the time of inspection mines was not working.		

### 9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	Annual Return and Monthly Return 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	Sh. Amit Manoharlal Bhati, ME & Sh. Bibukhan Bhanvar khan, Geologist, Vaghela Gajendra Sandubha	Vaghela Gajendra Sandubha, ME & Manager was present on inspection.	At the time of inspection mines was not working.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under current O/C working – 4.6Ha & Plant & building-0.493Ha		At the time of inspection mines was not working.
9d	Scrutiny of Annual return on afforestation	No of trees planted: 100 No survival rate of 70%		At the time of inspection mines was not working.
9e	Scrutiny of Annual return on mineral reject generation	There is no mineral rejects during the year		At the time of inspection mines

	(Grade & quantity)		was not working.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock and Graded ore present	At the time of inspection mines was not working.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price-380.73 Rs. /T (Chemical) , Cost of production-441.71 Rs/T,	
9i	Scrutiny of Annual return on fixed assets	Not given	
9k	Scrutiny of Annual return on mining machineries	Type of HEMM is not reported properly	At the time of inspection mines was not working.

10.

<b>Details of violations observed during current inspection and compliance position of violation pointed out</b>					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
11(1), 26(2), 33, 34(1)	4/8/2021				

Naman Ekka  
Sr. Mining Geologist