

## Regional office: Gandhinagar

File no: GUJ/JMNG/ LST-54

### MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar

Inspection date: 18.04.2018, Type of Inspection: Review of Mining Plan

#### 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	MALVADA LIMESTONE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.90.00 Hect (NON-FOREST LAND)
3	Mine code	<b>38GUJ07077</b>
4	IBM Registration Number under rule 45 of MCDR, 1988	<b>IBM/6653/2011</b>
5	Name of the lessee, Address, phone, email and fax number	SHRI CHANDRADEV PRAKASH THAKORE THAKORE FARM NH 8B, DHORAJI ROAD, NEAR UPLETA BYE PASS, BORAD, UPLETA, DISTRICT - RAJKOT, STATE - GUJARAT. Email-ID : Chandradevthakore@gmail.com Mobile No : +91-90990-28311
6	Village	MALVADA
7	Taluka/Mandal	JAMJODHPUR
8	District	JAMNAGAR
9	Pincode	360490
10	State	Gujarat
11	Post office	Upleta
12	Nearest police station	Upleta
13	Nearest Railway station	Jamnagar (WR) 59.00 km.
14	Date of Grant of Mining Lease	25/01/2005
15	Date of Execution	02/03/2005
16	Date of opening of Mine	02/03/2005 (Opening Date)
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and 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	NA
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
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Very small lease No Geologist in Mines

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Very small lease No Geologist in Mines
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	NA
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 - 551/2007 MCCM (N) UDP Dt. 17/09/2013, period- 2013-14 to 2017-18
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast Working
29	Category (Fully Mechanised, Others or Manual)	Semi-mechanised (OTFM)
30	Captive/Non Captive	Trading

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

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks
1a	Backlog of previous year	Prospecting 4 BH was proposed in earlier approved scheme of mining.	Nil	Reserve for mining was available last plan period
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2016	1041180 MT	256925 MT	Only 111 and 121&122 category
1f	General remarks of inspecting officer on geology, exploration etc.	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.		

**2.0 Development**

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks
2a	Location of development w.r.t. lease area	North Eastern part	As per Proposals	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	

2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3			
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.		

### 3.0 Exploitation

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks		
3a	Number of pits proposed for production	One Pit	One Pit			
3b	Quantity of ROM mineral production proposed	54480 ton	75873 ton			
3c	Recovery of salable/usable mineral from ROM production	90%	95% and 5 % Undersized			
3d	Quantity of mineral reject generation	No Proposal	No Proposal			
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil			
3f	Quantity of sub-grade mineral generation	Nil	NIL			
3g	Grade of sub-grade mineral generation	Nil	NIL			
3h	Manual / Mechanised method adopted for segregating from ROM	Semi-Mechanised	Semi-Mechanised			
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil			
3j	Provision of drilling & blasting in mineral benches	NA	NA	NA		
3k	Provision of mining machineries in mineral benches	NA	NA	NA		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA			
3m	Total area covered under excavation/pits	0.2500 ha.	0.1480 ha.			
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 - 0.2500 ha.	Pit - 0.2500 ha.			
3p	Production of ROM mineral during last five-year period, as applicable	2011-12	50000	2011-12	11461	
		2012-13	60000	2012-13	11318	
		2013-14	60000	2013-14	11968	
		2014-15	60000	2014-15	35601	
		2015-16	60000	2015-16	22116	

		<b>Total</b>	<b>290000</b>	2016-17	19641		
				2017-18	82864		
				<b>Total</b>	<b>194969</b>		
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.					

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	
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 stabilised	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			

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

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	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	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.		

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

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	As per Proposal submitted	Nil	
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	No Proposal	No Proposal	
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 (Fencing)	Nil	Nil	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	No Proposal	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.		

## **7.0 Mineral Conservation**

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks

7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal made for manual sorting and sizing.	Manual sorting and sizing	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	General sorting	General sorting	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.		

## 8.0 Environment

SN	Item	Proposals (2015-16)	Actual work (2017-18 up to)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 sampling of the Ronjha, Khejri, Mahuwa & Neem etc. were planted during the five years period in boundary barrier.	Plantation done but survivor water circuited and afforestation in lease area.	Back log of the plantation shell be completed during 2018-19 to 2020-21.
8g	Survival rate	50%	10%	
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne	Mobile water tankers have been deployed for the purpose.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.
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### 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to – March -2018 A.R. submitted up to- year 2016-2017	

S. N.	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Return not submitted	Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.
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: -

Violation under provision of rules 26(2) 33, 45(5) (b), 45(5) (c) & 46(a) pointed out on dt. 15.05.2018 for rectification.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 11-07-2018

Designation: AMG