

MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar
 Inspection date: 06.02.2019, Type of Inspection: Review of Mining Plan

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	VADEKHAN LIMESTONE
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.00.00 Ha. (NON-FOREST LAND)
3	Mine code	38GUJ13002
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9925/2012
5	Name of the lessee, Address, phone, email and fax number	SHRI HARDASBHAI GOVINDBHAI BHIMBHA AT.PO.TANASVA, TALUKA-UPLETA, DISTRICT - RAJKOT, STATE - GUJARAT. Email-ID : kanaiyatransport@gmail.com , Mobile No : +91-9727550555
6	Village	VADEKHAN
7	Taluka/Mandal	UPLETA
8	District	RAJKOT
9	Pincode	360490
10	State	Gujarat
11	Post office	Upleta
12	Nearest police station	Upleta
13	Nearest Railway station	Upleta (WR) 25.00 km.
14	Date of Grant of Mining Lease	22/10/2009
15	Date of Execution	13/01/2010
16	Date of opening of Mine	23/01/2010 (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.	NA
24	Whether Geologist and Mining Engineer appointed in mines satisfy	NA

	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.	682(23)(655)/2009-MCCM (N) UDP dt.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.	Letter no.682(23)(655)/2009-MCCM (N) UDP dt.17.11.2014
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	Non Captive

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

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
1a	Backlog of previous year	Not proposed in earlier approved scheme of mining.	Nil	
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 17.11.2018	1105016 MT	(111)-677811.61 (121 & 122)- 64078.59	
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
2a	Location of development w.r.t. lease area	Central and 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	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mining is seen in 7.5m statutory boundary. So violation of Rule 11(1) of MCDR 2017 is point out.		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
3a	Number of pits proposed for production	one Pit	one Pit	
3b	Quantity of ROM mineral production proposed	140000 tonne	70000 tonne	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
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	OTFM	OTFM	
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	Tipper(5 m3)-4	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	2.9402 ha.	2.9402 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 – 1 2.9402 ha.	Pit – 1 2.9402 ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2014-15 89637	2014-15 35000	
		2015-16 140000	2015-16 54500	

		2016-17	140000	2016-17	57000	
		2017-18	140000	2017-18	70000	
		2018-19	144509	2018-19	130000	
		Total	654146	Total	346500	
3q	General remarks of inspecting officer on method of mining etc.	No deviation in Exploitation.				

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2017-18)	Actual work (2017-18)	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	No OB/waste/mineral reject is generate.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2017-18)	Actual work (2017-18)	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.	In mines no back filling is done.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2017-18)	Actual work (2017-18)	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	PMCP report is not submitted. So violation for the Rule 26(2) of MCDR 2017 is point out.
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 25	
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	PMCP report is not submitted. So violation for the Rule 26(2) of MCDR 2017 is point out.		

7.0 Mineral Conservation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	All ROM Mineral dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No sorting	No sorting	
7c	Different grade of mineral sorted out at mines	No sorting	No sorting	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	All produced limestone is sale to cement plant & construction company.		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work (2017-18)	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)	25 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	Mobile water tankers have been deployed	

		suppress the dust being getting airborne	for the purpose.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Due to scarcity of water aesthetic beauty in and around mines are not developed.		

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 -2019 A.R. submitted up to- year 2017-2018	Return not Submitted during inspection. Violation of Rule 45(5) (b) & 45(5) (c) of MCDR 2017 is point out.

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	Nil	No Mining Engineer & Geologist	During the inspection it was advised to mine representative to submit the AR & MR correctly for cost of production & Ex mine price & other information carefully as per the guidelines in future.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Excavation-2.9402 ha	Excavation-2.9402ha	
9d	Scrutiny of Annual return on afforestation		Nil	
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	140000 tonnes	70000 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Cement grade limestone Ex-mine price Rs. 194.75/, Cost per tonne Rs. 30/	
9i	Scrutiny of Annual return on fixed assets		NA	
9k	Scrutiny of Annual return on		Tipper(5 m ³)-4	

	mining machineries		Water tanker(5000)-1	
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10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

Violation under provision of rules 11(1), 26(2), 33, 45(5) (b), 45(5) (c) & 46(a) of MCDR 2017 pointed out on dt. 18.01.2019 for rectification.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 07-05-2019

Designation: AMG