

Regional office: Gandhinagar

File no: GUJ/JUNA/ LST-256

MCDR INSPECTION REPORT

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

Inspection date: 13.12.2018, Type of Inspection: Review of Mining Plan

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Zadka Limestone
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	10.00 Hect (NON-FOREST LAND-Govt. waste land) (S.No. Mangam River berd)
3	Mine code	38GUJ08301
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/14221/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Somnath Hydrated Lime & Chemical Industries Pvt. Ltd. C/o Dhanabhai Devibhai Bharga At & Post Ajotha, Taluka Veraval, District Gir Somnath, Gujarat-362275. Mobile No.-+91-9825907082 Email: gokulent@yahoo.com
6	Village	Zadka
7	Taluka/Mandal	Maliya Hatina
8	District	Junagadh
9	Pincode	360575
10	State	Gujarat
11	Post office	Gadu (Sherbaug)
12	Nearest police station	Gadu (Sherbaug)
13	Nearest Railway station	Gadu (Sherbaug)
14	Date of Grant of Mining Lease	09.03.1981
15	Date of Execution	11.08.1981
16	Date of opening of Mine	10.10.1981
17	Date of first Renewal, if applicable and its period & expiry	Expiry date: 10.08.2031 under MMDR Amendment Act 2015.
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	Renewal applied on dated 16-03-2001 (Form-J) for 20 years
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	

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 55 & carrying out their duties as per rule 56 & 57.	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) (172) /2001-MCCM(N) UDP dt-08.04.2002
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-575/ 2010-MCCM(N) UDP dt-15.11.2016 for period of 5 years from 2014-15 to 2018-19 (upto 31-03-2019)
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)	Other than fully mechanised (OTFM)
30	Captive/Non Captive	Non Captive

1.0 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	Nil	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	No any exploration proposed	2 Prospecting pit-1 & 2	As per MEMC Rule 2015
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee & Nil	Lessee & Rs. 1,88,100/-	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	NA	
1e	Balance reserves as on 01.04.2018		(111)300323 (211)456825 (221)0 (333)0	757148 Cement grade
1f	General remarks of inspecting officer on geology, exploration etc.	Violation under provision of rules 11(1), 26(2), 33, 45(5) (b) & 45(5) (c) pointed out on dt. 18.01.2019 for rectification.		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
2a	Location of development w.r.t. lease area	Pit no 1.M-M' & N-N' and PP'. Proposed Mining upto 17.5mRL	Pit no.1. Worked done 19.0mRL	--
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No OB exist in the lease area	--	Mineral bench are systematic developed
2c	Stripping ratio or ore to OB ratio	No proposal	No proposal	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
3a	Number of pits proposed for production	Two Pit	Two Pit	-
3b	Quantity of ROM mineral production proposed	61347	103638 tonne	-
3c	Recovery of salable/usable mineral from ROM production	57,950 MT (95% of ROM)	98,456 MT (95% of ROM)	
3d	Quantity of mineral reject generation	915 MT (5% of ROM)	2591 MT (5% of ROM)	Undersize d limestone stacked in the mine
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	No Proposal	NIL	No Proposal
3g	Grade of sub-grade mineral generation	No Proposal	NIL	No Proposal
3h	Manual / Mechanised method adopted for segregating from ROM	Open cast. Semi Mechanised	Open cast. Semi Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Not applicable	
3j	Provision of drilling & blasting in mineral benches	2 Jack hammer drilling (32mm. dia	2 Jack hammer drilling	

		hole) One compressor (120 cfm)	(32mm. dia hole) One air compressor (120 HP)	
3k	Provision of mining machineries in mineral benches	Excavator-01 Tipper-02	Excavator-01 (92 HP) Tipper-01 (10 T)	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	--
3m	Total area covered under excavation/pits	7.05 Ha.	7.05 Ha.	--
3n	Ore to OB ratio for the pit/mine during the year	No proposal	Nil	--
3o	Total area put in use under different heads at the end of year	Pit-7.05 ha Road – 0.36 ha Plantation- 0.24 ha	Pit-7.05 ha Road – 0.36 ha Plantation- 1.24 ha	-
3p	Production of ROM mineral during last five-year period, as applicable	(2013-14)63153 (2014-15)-0 (2015-16)-0 (2016-17)61266 (2017-18)61347	57894 0 15 23393 103638	
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

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)	Lease area devoid of any OB & only undersized limestone dump in the mine	Lease area devoid of any OB & only undersized limestone dump in the mine	--
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	NA	--
4c	Number of dumps within lease area and outside lease area	Within the lease	Within the lease	--
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within the lease	Within the lease	--
4e	Number of active & alive dumps	Nil	Nil	--
4f	Number of dead dumps	Nil	Nil	--

4g	Number of dumps stabilised	No Proposal	No Proposal	--
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	One garland drain constructed	--
4i	Length of Retaining wall or garland drain all along dump	Length of wire fencing 375 mt.	Length of wire fencing 375 mt.	--
4j	Number of settling ponds	No Proposal	Mining Pits is being utilised as settling ponds	--
4k	Specific comments of inspecting officer	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

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	No proposal	
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	No proposal	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

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	Not Submitted by hard copy on 20 th July 2017	
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	No Proposal 210 - -	No Proposal 210 - -	

	vi) Cost incurred on watch & care during the year		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 (Fencing)	NIL NIL NIL NIL Fencing - 375 Meter	NIL NIL NIL NIL Fencing – 375 Meter	Working temporarily discontinued for the want of statutory clearance
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)	Air - 01 Water - 01 Noise - 01	Air - 02 Water - 01 Noise - 02	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

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	Proposal made for manual sorting and sizing	NA	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NA	--
7c	Different grade of mineral sorted out at mines	Cement	Cement	
7d	Any beneficiation process at mines	Only	NA	--

		manual sorting and sizing		
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	No Proposal	--
8b	Concurrent use or storage of topsoil	No Proposal	No Proposal	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	No Proposal	--
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	No Proposal	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No Proposal	No Proposal	--
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Plantation will be done on non-mineralization area & statutory barrier & mined out area. The species Jambu, Karanj, Umro, Vad, Kalam, Charal, Sirius & Amli etc. and other local species will be planted.	Local species has been planted on the pit boundary/ lease boundary & mined out area and post plantation care such as watering and manuring etc.	--
8g	Survival rate	80%	20%	

8h	Water sprinkling on roads to control airborne dust	No proposal	Mining is doing in river bed.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	On line monthly & annual returns is not submitted	

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		On line monthly & annual returns is not submitted.	Mine is already suspended for violation of Rule 11(4) vide IBM letter dt. 06.11.2017. Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 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: -

Mine is already suspended for violation of Rule 11(4) vide IBM letter dt. 06.11.2017. Violation under provision of rules 11(1), 35(2), 45(5) (b) & 45(5) (c) pointed out on dt. 22.01.2019 for rectification.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 25-01-2019

Designation: AMG