

Regional office: Gandhinagar

File no: GUJ/POR/ LST-245

MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar
Inspection date: 15.12.2018, Type of Inspection: Review of Mining Plan

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Ranavav Limestone Mine
1(b)	Name of Inspecting Officer & Designation	
1(c)	Accompanying Mines Representatives	Legal Heir -Shri Kanabhai Goganbhai Bhutiya
1(d)	Type of Inspection	Modified Mining Plan
1(e)	Date of Inspection	15.12.2018
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.00 Ha. (Govt. Waste Land) Forest- Nil
3	Mine code	38GUJ21057
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9142/1012
5	Name of the lessee, Address, phone, email and fax number	(Late) Goganbhai Jivabhai Bhutiya, Legal Heir: Shri Kanabhai Goganbhai Bhutiya Address 6 th floor, Ashwamegh Apartment.4- wadi plot, Porbandar. P.O. Porbandar, District: Porbandar, Gujarat. Phone-+91-9825105292, Email:- dhavalenterprise4u@gmail.com
6	Village	Ranavav
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	360550
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav Railway station
14	Date of Grant of Mining Lease	31-08-2000
15	Date of Execution	09-10-2000
16	Date of opening of Mine	10-10-2000
17	Date of first Renewal, if applicable and its period & expiry	-
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	The lessee has applied for lease period extension to 08.10.2050 vide application no G/J/B/01 dated on 15.11.2018.

20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	(Late) Goganbhai Jivabhai Bhutiya, Legal Heir: Shri Kanabhai Goganbhai Bhutiya Address :-At & PO- Porbandar, Taluka- Porbandar Dist.- Porbandar -360575, Gujarat (India) Phone-+91-9825105292, Email:- dhavalenterprise4u@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	(Late) Goganbhai Jivabhai Bhutiya, Legal Heir: Shri Kanabhai Goganbhai Bhutiya Address :-At & PO- Porbandar, Taluka- Porbandar Dist.- Porbandar -360575, Gujarat (India) Phone-+91-9825105292, Email:- dhavalenterprise4u@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	No Mines Manager has been appointed.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	No Mining Engineer has been appointed.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, only one Geologist appointed as per rule 55 of MCDR,2017
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of Mining plan:- 30-01-2002 Vide letter No. 682(23) (144)/2001-MCCM (N)Udp. Period :- From 2001-02 to 2005-06
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Date of Approval of Scheme of Mining: - 15-12-2009, Vide letter No. 682(23) (MS-506)/2009-MCCM (U)Udp, Period:- From 2009-10 to 2011-12. Date of Approval of Review of Mining: - 14-08-2017, Vide letter No. 684(4) (1)/MP-44/2017-GNR, Period: - From 2017-18 to 2019-20.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category A (Other than fully mechanised)
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	2	2	2 DTH

1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	Boreholes has been done during 2017-18.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Proposal for G1 level exploration Given for Year 2019-20.
1e	Balance reserves as on 01.04.2018	Proved-97850	Proved-14992	The difference due to higher production than the proposed production during last 3 years
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	N: 2399540N to 2399440N & E: 577800E to 577680E	Mine working done over the proposed location	Working carried out as per the proposed locations with minor deviation due to grade control.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes, proposals for separate benches of top soil, overburden and mineral	Yes, in actual top soil, overburden and mineral benches kept separately.	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	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), 26(2), 33, 45(5) (b), & 45(5) (c) pointed out on dt. 18.01.2019 for rectification.		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
3a	Number of pits proposed for production	In 1 (One) pit as earmarked on all relevant plates	Mine working is done as per the proposals in 1 pit.	

3b	Quantity of ROM mineral production proposed	Limestone- 39,760 tonnes	Limestone- 82,858 tonnes	Production is higher than the proposed due to sudden rise in market demand.
3c	Recovery of salable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Grade of Mineral Reject: CaO% <34%; Threshold value: CaO % <34%;	Grade of Mineral Reject: CaO% <34%; Threshold value: CaO % <34%;	All mineral is above cut-off grade.
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Hole Dia- 32mm, spacing - 1.5m, burden- 1.5m, use of slurry(both column and base charge)	The Rock breaker is used instead of Drilling and blasting.	As the in-situ rock is soft in nature, drilling and blasting was not adopted.
3k	Provision of mining machineries in mineral benches	1. JCB (1.3 CUM, 150 HP)-01 2. TRACTOR WITH TROLLEY SYSTEM (4T, 20 HP) -02 3. TIPPERS (10T, 55HP)-02	1. JCB (1.3 CUM, 150 HP)-01 2. TRACTOR WITH TROLLEY SYSTEM (4T, 20 HP) -02 3. TIPPERS (10T, 55HP)-02	
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	1.6930 Ha.	1.5577 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	No OB

3o	Total area put in use under different heads at the end of year	Pit- 0.4566 ha. Infrastructure, road- 0.2000 ha. Others (Mineral Stack & Plantation)-0.1000 ha.	Pit- 1.7217 ha. Infrastructure, road- 0.0156 ha. Others (Mineral Stack & Plantation)-0.0000 ha.	
3p	Production of ROM mineral during last four-year period, as applicable	2017-18: 39760 T	2017-18: 82,858 T	Chemical & Cement Grade
3q	General remarks of inspecting officer on method of mining 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.		

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	Not applicable as No Top soil, OB is present in the lease area.
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	--do--
4c	Number of dumps within lease area and outside lease area	Nil	Nil	--do--
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	--do--
4e	Number of active & alive dumps	Nil	Nil	--do--
4f	Number of dead dumps	Nil	Nil	--do--
4g	Number of dumps stabilised	Nil	Nil	--do--
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	--do--
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	--do--
4j	Number of settling ponds	Nil	Nil	--do--
4k	Specific comments of inspecting officer	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.		

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	Mineral extracted	Mineral extracted	No backfilling is proposed

5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed & rehabilitated	0.04 Ha	0 Ha	By plantation in the green belt area
5e	General remarks of inspecting officer on backfilling, reclamation 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.		

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 26(2). Details should be given in the format as given in Annexure-20.	NA	NA	
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) 1.6930 ha ii) 0.04 Ha iii) 40 iv) 40 v) 4000/-Rs.	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	i) 0.0 Ha. ii) 0.0 Ha. iii) 0.0 Ha. iv) 0.0 Ha. v) Nil	i) 0.0 Ha. ii) 0.0 Ha. iii) 0.0 Ha. iv) 0.0 Ha. v) Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0.0400 ha by planting 40 sapling (developing green belt)	Nil	

6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes, Quarterly (Rs. 10,000)/Annum cost	Yes (Rs. 10,000) /Annum cost	Air, Water and Noise monitoring is being done on yearly basis.
6f	General remarks of inspecting officer on PMCP compliance & progressive	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.		

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	Limestone- 39,760 tonnes	Limestone- 82,858 tonnes	Production is higher than the proposed due to sudden rise in market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	The ROM (Limestone) is directly sold to the Cement Plant for cement manufacturing.
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	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.		

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	Concurrently it was proposed to be used for plantation	Concurrently it was proposed to be used for plantation	
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)	Not Applicable	Not Applicable	In future pits will be converted into water reservoir due to un-availability of the backfilled material
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	40	10	The backlog of the proposed plantation will be completed during 2018-19
8g	Survival rate	70%	70%	The plantation will be maintained from this year onward
8h	Water sprinkling on roads to control airborne dust	Yes	Yes (Mechanically propelled water tanker)	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	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.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Not submitted A.R. submitted upto- Not submitted	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.

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	Not given	Not given	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not given	Not given	

9d	Scrutiny of Annual return on afforestation	Not given	Not given	During the inspection it was advised to Mine representative to submit the AR & MR correctly for correct cost of production & Ex mine price as per the guidelines in future.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not given	Not given	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not given	Not given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Not given	Not given	
9i	Scrutiny of Annual return on fixed assets	Not given	Not given	
9k	Scrutiny of Annual return on mining machineries	Not given	Not given	

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

The last inspection of mine was carried out on dt. 02.07.2018 by SMG and violations of rules 11(1), 27, 45(5)(b) & 45(5) (c) were pointed out. This inspection was carried out in connection with examination of Modification of Mining Plan and during inspection 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.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 23-07-2018

Designation: AMG

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