

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Ranavav Limestone Mine
1 (b)	Name of Inspecting officer & Designation	G. Ram Sr.Assistant Controller of Mines
1(c)	Accomp.official	Sh. DK Singh
1(d)	Date & Type of Inspection	02.11.2017 & Star Rating/MCDR
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	31.28 Ha.,Forest Land – Nil Non-Forest Land – 31.28 Ha.
3	Mine code	38GUJ21060
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/238/2011
5	Name of the lessee, Address, phone, email and fax number	Saurashtra Chemicals, Division of NIRMA Ltd. Birla Sagar, Porbandar Gujarat 360576
6	Village	Ranavav
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	31/01/1981 for 20 Yr w.e.f 30.07.1981 up to 30.01.2001
15	Date of Execution	29/07/1981
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	24/07/2000, 1 <sup>st</sup> renewal , EC-1LakhT/Annum
18	Date of second Renewal, if applicable and its period & expiry	N.A.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Period extended as per MMDR amendment act 2015 section 8A(5)(6) up to 31/03/2030
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri Sailesh V. Sonara, Executive Director, Saurashtra Chemical, Division of Nirma Ltd. Porbandar, quarry@saukemindia.com 0286-2245431 (Fax),0286-2242479-81 (Phone )
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri Anay Awasthi, Mines Agent, Saurashtra Chemical, Division of Nirma Ltd. Porbandar, quarry@saukemindia.com 0286-2245431 (Fax),0286-2242479-81 (Phone No)
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Harun Ahmed Sumra, Mine Foreman & permit Manager, Saurashtra Chemicals, Division of NIRMA Ltd.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Saurashtra Chemicals, Division of NIRMA Ltd. Birla Sagar, Porbandar Gujarat 360576
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 44.	NIL-Presently mine is not working due to want of statutory clearance
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23) 560/2010-II MCCM(N)UDP dated 17.09.2012 under rule 10(1) & 23(B) of MCDR-88
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in	Letter No. 682(23) (MS-568)/2010) MCDR Udaipur Date. 20-04-2015 (2015-16 to 2016-17). No RMP is submitted

	approval letter, if any.	
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	'A' (OTFM)
30	Captive/Non Captive	Captive

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

### **Exploration**

SN	Item	Proposals (2016-17)	Actual work	Remarks
1a	Backlog of previous year	N.A.	N.A.	
1b	Exploration over lease area for Geological axis 1 or 2.	Eight bore holes are proposed to be drilled vertically up to 5-6 mtrs depth in the year 2016-17	Not Done	The part of lease area is still remain for exploration. Presently V/L under provision of Rule 11(1) of MCDR, 2017 pointed out for rectification.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NIL	
1e	Balance reserves as on 01.04.2017	4.089 million Tone (As per UNFC 111,121 and 122)	4.089 million Tone (As per UNFC 111,121 and 122)	
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

### **2.0 Development**

SN	Item	Proposals(2016-17)	Actual work	Remarks
2a	Location of development w.r.t. lease area	124 S to 352 S 322 E to 726 E	Not done as proposed	Presently mine workings discontinued wef25/9/2015 for statutory clearance/labour problems
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	N.A.	N.A.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No	0	
2e	Quantity of overburden generation in m3	N.A.	N.A.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			

### **3.0 Exploitation**

SN	Item	Proposals (2016-17)	Actual work	Remarks
3a	Number of pits proposed for production	3	No done	Presently mine workings discontinued wef25/9/2015 for statutory clearance/labour problems
3b	Quantity of ROM mineral production proposed	200000 Mt	50T	
3c	Recovery of saleable/usable mineral from ROM production	90%	0%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	N.A.	N.A.	
3f	Quantity of sub-grade mineral generation	20000	0	
3g	Grade of sub-grade mineral generation	Undersize Chemical Grade Limestone	NIL	
3h	Manual / Mech.method adopted for segregating from ROM	Sizing of limestone from ROM by Manual.	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	65/110mm DTH drill, Atlas-XAH-210, 450cfm Compressor & Halco DTH drill J/H,	NIL	
3k	Provision of mining machineries in mineral benches	JCB Excavator /Pay loader-1M3 & tipper /water tanker	JCB Excavator /Pay loader-1M3 & tipper	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height	3m & more bench height with irregular	
3m	Total area covered under excavation/pits	0.5 Ha.	0 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Pit- 0.5 Ha Waste/reject - Others- 0.1 Ha	Pit- 0 Ha. Waste/reject - .04Ha Others- 0.65 ha	Total excavated area- About 11.78Ha
3p	Production of ROM mineral during last five-year period, as applicable	2013-14 - 150000 2014-15 - 200000 2015-16 - 200000 2016-17 - 200000 2017-18 - 200000	2013-14 – 0 2014-15 – 0 2015-16 – 0 2016-17 - 50T 2017-18 – 0 up to Sept.17	
3q	General remarks of inspecting officer on method of mining etc.			

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

SN	Item	Proposals (2016-17)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate stacking proposal of topsoil/reject	NIL	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Undersize Limestone	
4c	Number of dumps within lease area and outside lease area	No Proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	N.A.	
4e	Number of active & alive dumps	No Proposal	N.A.	
4f	Number of dead dumps	No Proposal	N.A.	
4g	Number of dumps stabilised	No Proposal	N.A.	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Garland drain made.	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Approx. 50 Mtrs	
4j	Number of settling ponds	No Proposal	N.A.	
4k	Specific comments of inspecting officer			

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

SN	Item	Proposals (2016-17)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No back filling is envisaged as no waste material is available ,	NIL	
5b	Area under backfilling of mined out area	No Proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	NIL	
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

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

SN	Item	Proposals (2016-17)	Actual work	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.	Yes	Annual return as per provision of Rule 26 of MCDR 2017 is submitted with in stipulated time.	

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	N.A. 0.3 Ha. 300 Nos. Wire Fencing (300 m)	N.A. 0.3Ha. 100Nos. Wire Fencing (150 m)	
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	No Proposal	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ambient Air Monitoring, water quality monitoring and noise monitoring	Ambient Air, water, noise quality monitoring is being done on half yearly & soil yearly basis	
6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL		

### **7.0 Mineral Conservation**

SN	Item	Proposals (2016-17)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	200000 Mt	50 Mt	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Only Undersize Limestone is available as subgrade mineral	NIL	
7d	Any beneficiation process at mines	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

### **8.0 Environment**

SN	Item	Proposals (2016-17)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	NIL	
8b	Concurrent use or storage of topsoil	No Proposal	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	N.A.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL	

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No Proposal	NIL	
8g	Survival rate	100%	50 %	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on road will be done through water tanker	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

#### 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date - A.R. submitted up to till date-		
S. N.	Item	Details GIVEN in A.R.(2016-17)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri Rakesh Patel (Manager & ME) Shri Yogesh Mehta (geologist)		Presently mine workings discontinued wef25/9/2015 for statutory clearance/labour problems
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered Under Current Working – 11.789 Ha. Afforestation	Covered Under Current Working – 11.789 Ha. Afforestation	
9d	Scrutiny of Annual return on afforestation	Afforestation / Plantation – 0.14 Ha	Afforestation / Plantation – 0.14Ha.	
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	O/s-3307T,ROM-50.075 Mt, Dispatch-50.075T, C/s-3307T	--	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex.Mine Prise Rs./- per tone Rs 486.60	--	
9i	Scrutiny of Annual return on fixed assets	Industrial – 253690- Residential - 0	Industrial – 253690- Residential – 0	
9k	Scrutiny of Annual return on mining machineries	On Hire	On Hire	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Presently mine was inspected under Star Rating of Mines inspection & violation under provision of Rules 11(1), 11(4),22(1), 33 & 55(1)(3) of MCDR,2017 pointed out on15/11/2017 for rectification & subsequently lessee submitted the compliance report on 01/01/2018 & 13/3/2018. The lessee has been committed & submitted the RMP for approved for next plan period.