

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Dharampur/Kajawdri Limestone Mines
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	31.10.2017 & Star Rating/MCDR
2	Total Lease Area (Ha) with breakup of Non-forest & forest land	14.61 HA. (Forest Area: Nil) (Non-forest Area: 14.61 HA)
3	Mine code	38GUJ08065
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 Chemical, Division of Nirma Ltd. Porbandar
6	Village	Dharampur
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	360560
10	State	Gujarat
11	Post office	Dharampur
12	Nearest police station	Udhyognagar, Porbandar
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	05.03.1975
15	Date of Execution	31.12.1975
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	20.04.1994
18	Date of second Renewal, if applicable and its period & expiry	28.07.2014
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
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
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri Shashi Bhusan Prasad, Mines Manager, Saurashtra Chemical, Division of Nirma Ltd. Porbandar
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri Shashi Bhusan Prasad, Mines Manager Saurashtra Chemical, Division of Nirma Ltd. Porbandar
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sri Mehul D Sharma, Geologist, Saurashtra Chemical, Division of Nirma Ltd. Porbandar
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(627)/96-MCCM (N) UDP Dated-12/6/1997 for 1998-99 to 2002-03
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. 684(4)(1)/MP-09MCDR Udaipur dtd. 31-03-2017 (2017-18 to 2020-21)
27	Mineral (s) granted in lease and	Limestone

	proved for mining	
28	Method of Mining(OC/UG)	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. –

1.0 Exploration

SN	Item	Proposals (2016-17)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	NIL	Part of ML area in NW side near office/quarter area in not explored as per new provision.
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	NIL	
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...	670780.4 MT (As per UNFC 111,121 and 122)	670780.4 MT (As per UNFC 111,121 and 122)	
1f	General remarks of inspecting officer on geology, exploration etc.			

2.0 Development

SN	Item	Proposals(2016-17)	Actual work	Remarks
2a	Location of development w.r.t. lease area	As earmarked on plate No.5	As earmarked on plate No.5 partly done.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Single bench-3m	Single bench-3m	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	Not Proposed	20 M3	
2e	Quantity of overburden generation in m3	Not Proposed	NIL	
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 & 17-18)	Actual work	Remarks
3a	Number of pits proposed for production	Single	Single	
3b	Quantity of ROM mineral production proposed	NA 20006 Mt	16856.670 Mt 15681.970 up to Sept.2017	
3c	Recovery of saleable/usable mineral from ROM production	17005 Mt	-	
3d	Quantity of mineral reject generation	2001T	NA	
3e	Grade of mineral reject generation and threshold value declared	N.A,	N.A.	
3f	Quantity of sub-grade mineral generation	NA	NIL	
3g	Grade of sub-grade mineral generation	Undersize L/s of chemical grade (-25MM)	Undersize L/s of chemical grade (-25MM)	
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	Not Proposed	N.A.	
3j	Provision of drilling & blasting in mineral benches	65/110mm DTH drill, Atlas-XAH-210, 450cfm Compressor & Halco	65/110mm DTH drill, Atlas-XAH-210, 450cfm Compressor & Halco	

		DTH drill J/H,	DTH drill J/H,	
3k	Provision of mining machineries in mineral benches	JCB Excavator0.3 m3 /Pay loader-2M3 & tipper /water tanker	JCB Excavator0.3 m3 /Pay loader-2M3 & tipper /water tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height	3m bench height	
3m	Total area covered under excavation/pits	0.33 Ha (1.33Ha proposed in plan period)	0.25Ha, About total 9.01Ha area is under broken	
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-9Ha (Total) Waste/reject-0.08Ha Others-0.26Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2013-14-22138 2014-15-22165 2015-16-22044 2016-17-NA Yr-2017-18-20006	2013-14-4056.980 2014-15-2671.955 2015-16-20231.07 2016-17-16856.67 2017-18-15681.970 up to Sept-2017	
3q	General remarks of inspecting officer on method of mining etc.	NIL		

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	Stacking separately	
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed specifically	N.A	
4c	Number of dumps within lease area and outside lease area	Not Proposed specifically	N.A	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NIL	
4e	Number of active & alive dumps	Not Proposed	NIL	
4f	Number of dead dumps	Not Proposed	NIL	
4g	Number of dumps stabilised	Not Proposed	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NIL	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer	NIL		

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	Not Proposed	NIL	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No OB generated for backfilling of worked out pits.		

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	i) N.A. ii) 0.2 Ha iii) 200 Nos iv) No v) No	i) N.A. ii) 0.01 Ha iii) 125 Nos	
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 reclamation is proposed by means of backfilling as no waste material is available	No reclamation is proposed by means of backfilling as no waste material is being generated.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not proposed	NIL	
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	NA 20,006Mt	16856.670 Mt 15681.970 up to Sept.2017	
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 and stacked at pit floor	Only undersize Limestone is available as subgrade mineral and stacked at pit floor	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals (2016-17)	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	About 10 Cu Mt top soil generated	
8b	Concurrent use or storage of topsoil	Not Proposed	NIL	
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	Not Proposed	N.A.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Mined out Pits will be utilised as rain water Storage	Pits are being used for rain water harvesting	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200 No Plantation proposed	125 No. planted	
8g	Survival rate	100%	40 %	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on road will be done through water tanker	Water Sprinkling on road is being done by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

9.0 Compliance of Rule 45

SN	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-29/6/2017		
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 Shashi Bhusan Prasad (Manager & ME) Shri Mehul D Sharma (Geologist)	Shri Shashi Bhusan Prasad (Manager & ME) Shri Mehul D Sharma (Geologist)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered Under Current working- 9.09 Ha/ Afforestation/ plantation -0.5 Ha	Covered Under Current working- 9.09 Ha/ Afforestation/ plantation - 0.5 Ha	
9d	Scrutiny of Annual return on afforestation	Afforestation/ plantation -0.5 Ha	Afforestation/ plantation - 0.5 Ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Subgrade or Undersize Limestone 10 % of ROM	1550 Mt (16-17)	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/s-45802T,ROM-16856.67 Mt, Dispatch-15306.67T, C/s-47352T	O/s-45802T,ROM-16856.67 Mt, Dispatch-15306.67T, C/s-47352T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex.Mine Price Rs.440.60/- per tonne Cost of production 190/-	-	
9i	Scrutiny of Annual return on fixed assets	Industrial -465000 Residential-2090834	-	
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), 33 & 55(1)(3) of MCDR,2017 pointed out on 15/11/2017 for rectification & subsequently lessee submitted the compliance report on 01/01/2018 & 10/3/2018. The RMP approved by this office dated 31.3.2017 for next plan period.