

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Vavarada Limestone Mine (4.04Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, Sr.Assistant Controller of Mines
1(c)	Accomp. official	Kanak Dodiya, Lessee Rep. & Deepak Gour, Tech.person
1(d)	Date & Type of Inspection	28.12.2018 FN & RMP
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 4.04Ha., Sy.No.-111/P Non-Forest land
3	Mine code	38GUJ08310
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/265/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Nirma Ltd, NIRMA House, Ashram Road, Near Income tax, Ahmadabad, Gujarat-380009.
6	Village	Vavarada
7	Taluka/Mandal	Una
8	District	Gir Somnath
9	Pin code	362560
10	State	Gujarat
11	Post office	Una
12	Nearest police station	Una
13	Nearest Railway station	Una
14	Date of Grant of Mining Lease	08.7.2003
15	Date of Execution	08.7.2053 & As per MMDR Amendment Act, 2015 for 50years from first grant of mining lease.
16	Date of opening of Mine	NA
17	Date of first Renewal, if app.	NA, since ML was granted on 08.7.2003 for 30 years.
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Shailesh V.Sonara, Director & Nominated owner M/s Nirma Limited, Ashram Road, Near Income tax, Ahmadabad, Gujarat-380009. Phone' +91 079 27546565-74, Fax-(079)27546603
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Shailesh V.Sonara, Director & Nominated owner M/s Nirma Limited, Ashram Road, Near Income tax, Ahmadabad, Gujarat-380009. Phone' +91 079 27546565-74, Fax-(079)27546603
22	Name of the Mines Manager with Address, phone, email, fax & date of appointment.	NA, since lessee submitted discontinued notice in mine WEF 01.8.2017 to till date due to want of EC.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number & date of appointment.	NA, since lessee submitted discontinued notice in mine WEF 01.8.2017 to till date due to want of EC.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 &44.	NA, since lessee submitted discontinued notice in mine WEF 01.8.2017 to till date due to want of EC.
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: 682(23)(192)/2001-UDP-Dated-09.4.2002.
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)(692)/2009-UDP-Dated-20.11.2014 for period of 2014-15 to 2017-18.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, U/G)	Opencast
29	Category (A-FM & Others & B-Manual)	A
30	Captive/Non Captive	Captive

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

1.0 Exploration

SN	Item	Proposals (2017-18)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	NIL	Discontinuance notice is submitted WEF 01.8.2017 to till date due to want of EC.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed		
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal		
1e	Balance reserves as on 01.04.2014	155,868 MT 111 & 221 (as per approved RMP dated 20.11.2014)		
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in SW of ML as earmarked in Plate No.5	NIL	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)			
2c	Stripping ratio or ore to OB ratio			
2d	Quantity of topsoil generation in m3			
2e	Quantity of overburden generation in m3			
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Discontinuance notice is submitted WEF from 01.8.2017 to till date due to want of EC.		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	It was proposed to work in SW of ML as earmarked in Plate No.5	NIL	The mine was operated with meagre scale of production in past & lessee has been submitted discontinuance notice WEF from 01.8.2017 to till date due to want of EC.
3b	Quantity of ROM mineral production proposed	10625T		
3c	Recovery of salable/usable mineral from ROM production	8500T		
3d	Quantity of mineral reject generation	1594T		
3e	Grade of mineral reject generation and threshold value declared	Limestone-Cao-34 % (min), Mgo-4 % (max.)		
3f	Quantity of sub-grade mineral generation	1594T		
3g	Grade of sub-grade mineral generation	-do-		
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed		
3j	Provision of drilling & blasting in mineral benches	J/H drilling & blasting proposed		
3k	Provision of mining machineries in mineral benches	HEMM-Hyd. Excavator & tipper		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed		
3m	Total area covered under excavation/pits	1.12Ha area proposed in plan period		
3n	Ore to OB ratio for the pit/mine during the year	1:0.0		
3o	Total area put in use under different heads at the end of year	--		

3p	Production of ROM mineral during last five-year period, as applicable	2014-15-5312T 2015-16-10625T 2016-17-10625T 2017-18-10625T	2014-15-130T 2015-16-40T 2016-17-0T 2017-18-0T 2018-19-0T Till date	
3q	General remarks of inspecting officer on method of mining etc.	NIL		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2017-18)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Topsoil & OB Proposal	NIL	NIL
4b	Location of topsoil, OB & mineral rejects dump			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilized			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2017-18)	Actual work	Remarks
5a	Status on part/ full extraction of mineral from mined out area before starting backfilling	No proposal	NIL	
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area			
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of inspecting officer on backfilling, reclamation etc.			

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2017-18)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23 E (2).	Not submitted.	NIL	
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			
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	Not proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)			
6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL		

7.0 Mineral Conservation

SN	Item	Proposals(2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal for sizing & sorting of minerals	NA	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical			
7c	Different grade of mineral sorted out at mines			
7d	Any beneficiation process at mines			
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil & OB Proposed	NIL	
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)			
8d	Use of OB, waste rock, rejects & fines dump for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	0.25Ha/50 No. of plants	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)			
8g	Survival rate			
8h	Water sprinkling on roads to control airborne dust			
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

9.0 Compliance of Rule 45

SN.	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	Monthly & Annual Returns submitted online up to till Dec.18 in IBM website-	NIL
S.N	Item		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	0.09Ha	
9d	Scrutiny of Annual return on afforestation	NIL	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/s-40T, ROM-0T, C/s-40T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL	
9i	Scrutiny of Annual return on fixed assets	NA	
9k	Scrutiny of Annual return on mining machineries	NIL	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Mine was inspected for examination of Review of Mining Plan. The mine was operated with meagre scale of production in past & lessee has been submitted discontinuance notice WEF 01.8.2017 to till date due to want of EC. During inspection, lease boundary pillars were not available/erected as per statute & accordingly intimated to State CGM under provision of Rule 12 of MCR, 2016 for necessary action. Lessee is regular in submission of online periodical return. Presently no significant violation observed & pointed out.