

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Samarvav Limestone Mine, Survey No-189/P
1(b)	Name of Inspecting Officer & Designation	Sanjay M. Girhe, Sr. Mining Geologist
1(c)	Accompanying Mines Representatives	Sh. Yunus Hamdani, Lessee, Sh. Mahendra Meritia, QP
1(d)	Type of Inspection	Modified Mining Plan/MCDR
1(e)	Date of Inspection	01.02.2019
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.90 Hectare Non Forest Area, Forest area- Nil
3	Mine Code	38GUJ08126
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/544/2011
5	Name of the lessee, Address, phone, email and fax number	Shree Yunus Abdul Habib Hamdani C/o, Imperial Lime Product Rajmahal Road, Opp-Musafirkhana, Veraval Dist- Gir-Somnath, Gujarat – 362265, Phone-02876-220343, 9924696096, 9898851511 Email: imperialvrl@gmail.com
6	Village	Samarvav
7	Taluka/Mandal	Talala
8	District	Gir-Somnath
9	Pin Code	362265
10	State	Gujarat
11	Post office	Talala
12	Nearest police station	Talala
13	Nearest Railway station	Savli
14	Date of Grant of Mining Lease	Mining Lease granted vide order No-MCR-1578-(H-2)7599/CHH dtd 15.11.1978 Initial grant was for 7.10Ha later on 2.1 Ha surrendered & finally area was 4.90Ha
15	Date of Execution	Executed on 08/08/1979 As per section 8A(3) of MMDR Act,2015 lease period deemed extended up to 08.08.2029
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	07.12.2006 for 20 years from 09.08.1999 to 08.08.2019
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	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shree Yunus Abdul Habib Hamdani C/o, Imperial Lime Product Rajmahal Road, Opp-Musafirkhana, Veraval Dist- Gir-Somnath, Gujarat – 362265, Phone-02876-220343, 9924696096, 9898851511 Email: imperialvrl@gmail.com
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	NA
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 42 & carrying out their duties as per rule 43 & 44.	NA
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan was approved vide letter no- 682(23)(69)/2000-MCCM(N)UDP on dtd 24.01.2001 Modified Mining Plan was approved vide letter no- 682(23)(20)/2000-MCCM(N)UDP on dtd 18.04.2017
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of mining under rule 12(3) & 23(B) of MCDR,1988 approved vide letter no- 682(69)/2000-MCCM(N)UDP dtd 30.08.2012
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	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	No backlog for previous year 2016-17	NA	Mining lease area not explored fully & hence it was advised to lessee for proposing further exploration by core drilling
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposals	Area Explored by working pits & some trial pits	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposals	Trial pits were made by lessee himself in-house	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposals	NA	
1e	Balance reserves as on 01.04.2018	Reserves (in MT) Proved (111)- 342424 Probable(121)-211269 Feasibility (211)-38066 Pre-Feasibility(221)-35720	Reserves (in MT) Proved (111)- 260555 Probable(121)-Nil Feasibility (211)-63519	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lase area has not been explored as per UNFC Guidelines. Hence, future exploration was proposed in draft Modified Mining Plan.		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
2a	Location of development w.r.t. lease area	From 205S to 237S & From 128W to 226W	Development carried out at proposed locations with minor variations	No OB encountered in lease area
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	One bench of maximum 3m height proposed in mineral	Working carried by formation of one bench	
2c	Stripping ratio or ore to OB ratio	No Proposals	NA	

2d	Quantity of topsoil generation in m ³	No Proposals	NA	No OB encountered in lease area
2e	Quantity of overburden generation in m ³	No Proposals	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are total 05 existing pits area in the lease area of different dimensions where maximum dimension of pit No-5 (30m x 6.0m x 1.8m depth). Maximum depth of mineralisation established pit no-2 of 2.5m		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
3a	Number of pits proposed for production	Excavation proposed in 2 pits i.e. in Pit No-3 & 5	Excavation carried out in Pit-3 & 5	--
3b	Quantity of ROM mineral production proposed	18300 (5% Mineral reject undersized limestone- 915MT	7076 Chemical & cement grade limestone	Entire ROM is used as cement & chemical grade limestone depend upon CaO%
3c	Recovery of salable/usable mineral from ROM production	95% limestone & 5% Mineral reject	95% recovered as Cement & chemical grade limestone	
3d	Quantity of mineral reject generation	915 MT	Nil	--
3e	Grade of mineral reject generation and threshold value declared	Above threshold value i.e. CaO>34% & below cut-off for cement grade limestone	Above threshold value i.e. CaO>34% & below cut-off for cement grade limestone	--
3f	Quantity of sub-grade mineral generation	No Proposals	NA	--
3g	Grade of sub-grade mineral generation	No Proposals	NA	--
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	By Hand sorting
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NA	--
3j	Provision of drilling & blasting in mineral benches	Drilling by 33mm jack hammer drill with shallow hole blasting proposed	Done as per the proposals of drilling by 33mm jack hammer drill with shallow hole blasting proposed	
3k	Provision of mining machineries in mineral benches	Jack hammer Drill-32mm dia Dumper-16 Tonnes	Jack hammer Drill-32mm dia Dumper-16 Tonnes	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of maximum 3 to 3.5m proposed in mineral	Working carried by formation of one bench of 3.2m height	--
3m	Total area covered under excavation/pits	2.15Ha	2.33Ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.05	NA	No OB generated during the year
3o	Total area put in use under different heads at the end of year	Under Pits-2.11Ha Waste Dump-0.105Ha Mineral Storage-0.06	Under Pits-2.33Ha Waste Dump-Nil Mineral Storage-0.06	--

		Road-0.125Ha	Road-0.125Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2013-14:-3544MT Yr- 2014-15:-4001MT Yr- 2015-16:-4628MT Yr- 2016-17:-5164MT Yr- 2017-18:-17385MT	Yr- 2013-14:-2304MT Yr- 2014-15:-2532MT Yr- 2015-16:-2216MT Yr- 2016-17:-1564MT Yr- 2017-18:-7076MT	--
3q	General remarks of inspecting officer on method of mining etc.	Mining operations were being carried out by manual opencast method of mining by manual loading of excavated limestone.		

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 Proposals	No OB encountered	Mining lease area is completely devoid of any sort of OB & top soil.
4b	Location of topsoil, OB & mineral reject dumps	No Proposals	Nil	
4c	Number of dumps within lease area and outside lease area	No Proposals	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposals	Nil	
4e	Number of active & alive dumps	No Proposals	Nil	
4f	Number of dead dumps	No Proposals	Nil	
4g	Number of dumps stabilised	No Proposals	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposals	Nil	
4i	Length of Retaining wall or garland drain all along dump	No Proposals	Nil	
4j	Number of settling ponds	No Proposals	0	
4k	Specific comments of inspecting officer	Mining lease area completely devoid of any sort of OB & hence maximum items details are mentioned as "not applicable".		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2017-18)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposals	Nil	No pits have been mineral exhausted so far and hence reclamation & rehabilitation is not applicable.
5b	Area under backfilling of mined out area	No Proposals	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposals	No top soil encountered	
5d	Total area fully reclaimed & rehabilitated	No Proposals	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Presently none of the any pits areas have been fully mineral exhausted. Hence, no scope reclamations is existed		

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 23E(2). Details should be given in the format as given in	Yes Submitted	Yes Submitted	

	Annexure-20.			
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	50 Saplings/plants	10 Saplings/plants	For deviation in saplings plantation violation pointed out under rule 11(1) of MCDR,2017
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 Proposals	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposals	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Regular monitoring in Core & Buffer Zone proposed for Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration.	Monitoring carried out & monitoring results of these parameter found within limits	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP compliance & progressive works not carried out systematically by the lessee. Accordingly, advised to the lessee.		

7.0 Mineral Conservation

SN	Item	Proposals (2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	17385MT	7076MT cement grade limestone	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	--
7c	Different grade of mineral sorted out at mines	Cement grade- 80% CaCo ₃ , SiO ₂ -2 to 8% Soda Ash Plant: 92-94% CaCO ₃ , SiO ₂ -2 to 4%	Cement grade- 80% CaCo ₃ , SiO ₂ -2 to 8% Soda Ash Plant: 92-94% CaCO ₃ , SiO ₂ -2 to 4%	
7d	Any beneficiation process at mines	No Proposals	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mineral being conserved very smartly as material above 50mm size used in Soda ash plant & rest undersized material used in cement plant with maximum recovery.		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals	NA	No top soil encountered

8b	Concurrent use or storage of topsoil	No Proposals	NA	No top soil encountered
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposals	Nil	No OB encountered
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Nil	No OB encountered in lease area
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	50 Nos saplings proposed	10 Nos of saplings planted	For deviation in saplings plantation violation pointed out under rule 11(1) of MCDR,2017
8g	Survival rate	90%	25-30%	
8h	Water sprinkling on roads to control airborne dust	One dedicated water tanker proposed for water sprinkling	Water sprinkling carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mine is not that much satisfactory & more emphasis need to be given on maximum plantation.		

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 December-2018 A.R. submitted up to till date- 12.6.2018	Nil

S.N.	Item	Details GIVEN in A.R. (2017-18)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Give	Mine was temporarily discontinued	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. Violation of Rule 45(5)(C) of MCDR,2017 pointed out for discrepancies observed in annual return submitted for 2017-18
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under Pits-2.00Ha Waste Dump-Nil Mineral Storage-0.06 Road-0.125Ha	Nil	
9d	Scrutiny of Annual return on afforestation	Total 10 saplings planted during the year	For deviation in violation pointed out under rule 11(1) of MCDR,2017	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not Given	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	<u>Chemical Grade Lst</u> Opening Stock-115MT Closing Stock-69.03MT <u>Cement Grade Lst</u> Opening Stock-	ROM stocks observed	

		82.7MT Closing Stock- 449MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price for chemical & Cement grade limestone- Rs- 295/MT	Violation pointed out for Rule45(5)(C) of MCDR,2017	
9i	Scrutiny of Annual return on fixed assets	Not Given	Nil	
9k	Scrutiny of Annual return on mining machineries	Jack hammer Drill-32mm dia Dumper-16 Tonnes	Nil	

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 dtd 27/09/2015 and violations of rules 13(1), 23E(2), 29, 42(1)(c)(i) & 45(5)(b) and the same has been complied. Present inspection was carried out in connection with Modified Mining Plan inspection & during inspection violation of rules 11(1), 26(2), 35(2), 45(5)(C) & 54(a) were pointed out and accordingly violation letter was issued.
