

## INSPECTION REPORT

## 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Dhamlej Limestone Mines (4.0Ha)
1(b)	Name of Inspecting officer	Darshan Deep Bhardwaj, Sr.ACOM
1(c)	Date of Inspection & Type of Inspection	20/06/2021, Star Rating
1(d)	Accompanying officer	Sh. Ashok Bhai Jimulia
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 4.0Ha Survey Nos.: 689/A
3	Mine code	38GUJ08347
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9150/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Somnath Minerals, Prop.-Sh. Ashok Bhai Vinod Bhai Jimulai, Main Bazar,Prabhapatn, Taluka-Veraval,Junagarh-Gujarat-362268, dineshkumarandcompanyvrl@rediffmail.com, 9824622327
6	Village	Dhamlej
7	Taluka/Mandal	Sutrapada
8	District	Gir Somnath
9	Pin code	360720
10	State	Gujarat
11	Post office	Sutrapada
12	Nearest police station	Sutrapada
13	Nearest Railway station	Veraval
14	Date of Grant of Mining Lease	09.1.2008
15	Date of Execution	15.4.2008 (Expiry-14.4.2058 As per MMDR Act 2015, under process)
16	Date of opening of Mine	2008-09
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	NA
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	M/s Somnath Minerals, Prop.-Sh. Ashok Bhai Vinod Bhai Jimulai, Main Bazar,Prabhapatn, Taluka-Veraval,Junagarh-Gujarat-362268, dineshkumarandcompanyvrl@rediffmail.com, 9824622327
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Somnath Minerals, Prop.-Sh. Ashok Bhai Vinod Bhai Jimulai, Main Bazar,Prabhapatn, Taluka-Veraval,Junagarh-Gujarat-362268, dineshkumarandcompanyvrl@rediffmail.com, 9824622327
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-Violation under provision of Rule 55(1) (3) pointed out for rectification.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA-Violation under provision of Rule 55(1) (3) pointed out for rectification.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan, Approved vide letter number 684(4)(1)/MP-146/2018 MDRD(N)/GNR, Dated 02/07/2018 for 2018-19 to 2022-23 Modified Mining Plan approved vide letter No.684(4)(1)/MP-304/2020-21-GNR, Dated 19/01/2021 for year 2021-22 to 2022-23
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	N/A
27	Mineral(s) granted in lease	Limestone
28	Method of Mining(Opencast,/UG)	Opencast Mining
29	Category (FM, Others or Manual)	A-Category
30	Captive/Non Captive	Non-Captive

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

**1.0 Exploration**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	NA	Partly done	
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	Not Proposed	Nil	
1e	Balance reserves (Million Tonnes) as on 01.04.2020	The reserve estimated is 1.14 million tons as per mining plan .		
1f	General remarks of inspecting officer on geology, exploration etc.	The area is sufficiently explored		

**2.0 Development**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	Single pit, Proposed as earmarked in plate no-5 in plan period.	Single Pit, partly deviated as earmarked in plan period	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed benches in regular	Irregular	
2c	Stripping ratio or ore to OB ratio	Not Proposed	NIL	
2d	Quantity of topsoil generation in m3	Not Proposed	NIL	
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.	Development is done by using excavator without use of drilling and blasting.		

**3.0 Exploitation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	Single pit	Single pit	
3b	Quantity of ROM mineral production proposed	56100	44811	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	NIL	
3f	Quantity of sub-grade mineral generation	Nil	NIL	Entire ROM is utilising by proper sorting & sizing.
3g	Grade of sub-grade mineral generation	Cement grade	NIL	
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	NIL	
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	
3k	Provision of mining machineries in mineral benches	Tipper, Compressor & water tanker	J/H Drilling & Blasting, Tipper, Compressor & water tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1-3M bench, Regular	3-4-M-Irregular	
3m	Total area covered	About 1.5 Ha in plan	About 2 Ha	

	under excavation/pits	period		
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Nil	
3o	Total area put in use under different heads at the end of year	About 1.5 Ha in plan period	About 2 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2016-17– 90324T Yr-2017-18– 90474T Yr-2018-19-56100T Yr-2019-20-56100T Yr-2020-21-56100	Yr-2016-17– 4529T Yr-2017-18– 82900T Yr-2018-19-25006T Yr-2019-20-120T Yr-2020-21-44811(Upto Dec 20)	
3q	General remarks of inspecting officer on method of mining etc.	Mining is done without use of drilling and blasting in eco-friendly manner		

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

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed,	NIL	
4c	Number of dumps within lease area and outside lease area	Not Proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	NA	
4e	Number of active & alive dumps	Not Proposed	NA	
4f	Number of dead dumps	Not Proposed	NA	
4g	Number of dumps stabilised	Not Proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NA	
4j	Number of settling ponds	Not Proposed	NA	
4k	Specific comments of inspecting officer	There is no solid waste generation in the mine as entire ROM is used.		

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

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	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		
5d	Total area fully reclaimed & rehabilitated	No proposal		
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL		

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

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed	Not yet submitted as same was not due on date of inspection.	
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	0.02Ha 20 No	NIL 20	

	during the year	NA	NIL	
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	NA  NA	NIL  NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Env. Monitoring is being carried out periodical.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP return is yet to be submitted as same was not due on day of inspection.		

#### **7.0 Mineral Conservation**

SN	Item	Proposals(2020-21)	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM	Entire ROM is used	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Manual	Manual	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire Limestone ROM used		

#### **8.0 Environment**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	NIL	
8b	Concurrent use or storage of topsoil	Not proposed	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	NIL	
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)	N.A	NIL	
8g	Survival rate	No proposal	50-60%	Poor survival
8h	Water sprinkling on roads to control airborne dust	No proposal	Water sprinkling carried out on the haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The area is having beautiful aesthetic environment around the lease area.		

**9.0 Compliance of Rule 45**

S.N	Item	COMMENTS		Remarks
9.1	Status of submission of Monthly and Annual returns	M.R. Submitted up to ---- May -2021 A.R. submitted up to---- 2019-20		
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	Returns for the year 2020-21 were not submitted on day of inspection as same were not due on that day.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

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

During inspection violation of rule 28 of MCDR 2017 found and violation letter is being sent to lessee for the rectification of the same within the stipulated time period.

Darshan Deep Bhardwaj  
Senior Asst. Controller of Mines

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