

MCDR INSPECTION REPORT (RMP)

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Varvala Limestone Mines
1(b)	Name of Inspecting Officer & Designation	Naman Ekka, SMG
1(c)	Accompanying Mines Representatives	Sagar Trivedi, lessee Representative
1(d)	Type of Inspection	RMP
1(e)	Date of Inspection	12-10-2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non Forest: 25-00-00 Ha Forest: 00-00-00 Ha Total : 25-00-00 Ha
3	Mine Code	38GUJ07089
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/18552/2014
5	Name of the lessee, Address, phone, email and fax number	Mrs. Bhavna R. Trivedi Survey NO. 76 Village Varvala, 9427763327 varvalamines@gmail.com
6	Village	Varvala
7	Taluka/Mandal	Dwarka
8	District	Devbhumi Dwarka
9	Pincode	361335
10	State	Gujarat
11	Post office	Varvala
12	Nearest police station	Varvala
13	Nearest Railway station	Varvala
14	Date of Grant of Mining Lease	28-03-2013
15	Date of Execution	14-08-2013
16	Date of opening of Mine	14-01-2014
17	Date of first Renewal, if applicable and its period & expiry	N.A.
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	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mrs. Bhavna R. Trivedi
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Mehul Soni 9904134386 05/04/2021
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Mehul Soni 9904134386 05/04/2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Mehul Soni 9904134386 05/04/2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and	Last review of mining plan approved 15/06/2018

	specific condition in approval letter, if any.	
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Last review of mining plan approved 15/06/2018
27	Mineral(s) granted in lease and proved for mining	Limestone (Major)
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Others
30	Captive/Non Captive	Non Captive

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

Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	-		Are has been fully explored.
1b	Exploration over lease area for Geological axis 1 or 2.	-		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-		
1d	Balance area to be explored to bring Geological axis in 1 or 2	-		
1e	Balance reserves as on 01.04.2022.	0.37 Million Tonnes	0.37 Million Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Area has been explored in past by Drilling BH and after that Pitting has been done and influence of already existing pits has also been considered for area to be fully explored.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	In Pit 1	In Pit 1	As per approved mining plan
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	Not Applicable	Not Applicable	
2d	Quantity of topsoil generation in m3	Not Applicable	Not Applicable	
2e	Quantity of overburden generation in m3	Not Applicable	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of pits has carried out as per proposal by benches in Mineral.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	89536	22325	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	0%	0%	
3e	Grade of mineral reject generation and threshold value declared	Not Applicable	Not Applicable	
3f	Quantity of sub-grade mineral generation	0%	0%	
3g	Grade of sub-grade mineral generation	0%	0%	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	

3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Not Applicable	Not Applicable	
3k	Provision of mining machineries in mineral benches	1 excavator	1 excavator	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	14,600 Square metre	14,600 Square metre	
3n	Ore to OB ratio for the pit/mine during the year	Not Applicable	Not applicable	
3o	Total area put in use under different heads at the end of year	22100 square metres	22100 square metres	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 – 89536 2019-20 – 89536 2020-21 – 89536 2021-22 – 89536 2022-23 – 89536	2018-19 – 12346 2019-20 – 18526 2020-21 – 19582 2021-22 – 20000 2022-23 – 22325	
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks		
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Not Applicable	Not Applicable			
4b	Location of topsoil, OB & mineral reject dumps	Not Applicable				
4c	Number of dumps within lease area and outside lease area	Not Applicable				
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable				
4e	Number of active & alive dumps	Not Applicable				
4f	Number of dead dumps	Not Applicable				
4g	Number of dumps stabilised	Not Applicable				
4h	Whether Retaining wall or garland drain all along dumps are there	Not Applicable				
4i	Length of Retaining wall or garland drain all along dump	Not Applicable				
4j	Number of settling ponds	Not Applicable				
4k	Specific comments of inspecting officer	As reported No Solid waste generated				

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Applicable	Not Applicable	
5b	Area under backfilling of mined out area	Not Applicable		
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Not Applicable		
5d	Total area fully reclaimed & rehabilitated	Not Applicable		
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2) Details should be given in the format as given in Annexure-20.	PMCP Report has been submitted on 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	Not Applicable	Not Applicable	
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 Applicable	Not Applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Applicable	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Complied with	Complied with	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP as per Proposals has been carried out.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch		
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Blending of higher carbonate content and clay interbedding carried out for obtaining cement grade	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Not Applicable	Not Applicable	

8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Not Applicable	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done	43 plants to be planted each year	43 saplings planted during the year	
8g	Survival rate	60%	Most planted saplings could not survive due to severe cyclonic storm	
8h	Water sprinkling on roads to control airborne dust	To be applied during mining operations for compliance with existing norms	Being carried out by hired water tankers during operating days	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Good		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto - August 2022 A.R. submitted upto- 2021-22		
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	Mr. Mehul Soni is employed as Mines manager and mining engineer and Mr. Ajeet Singh is appointed as geologist		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Total area at end of year to be around 2.21 hectares		
9d	Scrutiny of Annual return on afforestation	43 saplings to be planted each year		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No Mineral reject generation		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Approved annual production of 89536 MT		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mines price of Rs. 255.6 mentioned in the AR		
9i	Scrutiny of Annual return on fixed assets	Nil fixed assets proposed		
9k	Scrutiny of Annual return on mining machineries	Excavation and loading carried out using hydraulic excavators		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
No Significant Violations observed

Naman Ekka
SMG