

MCDR INSPECTION INFORMATION SHEET

1.0 GENERAL

S. N.	Particulars	Details
1(a)	Name of the Mine	Varvala Limestone Mine
1(b)	Name of Inspecting Officer & Designation	Pushpendra Gaur , RCOM, Indian Bureau of Mines, Gandhinagar
1(c)	Accompanying Mines Representatives	Shri Sagar Trivedi (Owner Representative) Shri Mehulkumar Mahendrabhai Soni (Mining Engineer)
1(d)	Type of Inspection	MCDR Inspection
1(e)	Date of Inspection	11/03/2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest: 25.00 Ha., Forest: 00 Ha. Total: 25:00 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. Bhavnaben R. Trivedi, 177, KP Shah Vadi,Rameshvar Nagar, Navagham Ghed, Jamnagar, Gujarat Email: - varvalamines@gmail.com,
6	Village	Varvala
7	Taluka/Mandal	Dwarka
8	District	Devbhumi Dwarka
9	Pin code	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	NA
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	Mrs. Bhavnaben R. Trivedi
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Mehulkumar Mahendrabhai Soni 9904134386 October 2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	-
25	Date of Approval of Mining Plan/Modified Mining Plan/ Review of Mine Plan with five-year period and specific condition in approval letter, if any.	<i>Date of Approval of Mining Plan :- 24.01.2023</i> <i>Vide letter No. MCDR-MPCP0CaFI/21/2022-GNR-IBM_RO_GNR</i> <i>Period: - 2023-24 to 2027-28</i>
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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)	Mechanised

30	Captive/Non Captive	Non-Captive
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Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	- NIL-	-NIL-	
1e	Balance reserves as on 01.04.2023		27,11,900.00	
1f	General remarks of inspecting officer on geology, exploration etc.	-		

2.0 Development-

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
2a (i)	Location of development w.r.t. lease area	E700 TO E890 N1150 TO N1390	N22 17 30.6 E68 56 55.9	Working level: two benches with less than 3m height.
2b	Separate benches in topsoil, over-burden and mineral (Rule 15)	No proposal	NA	No proposal for top soil & overburden
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	No OB generation
2d	Quantity of topsoil generation in m3	NA	NA	No top soil generation
2e	Quantity of overburden generation in m3	NA	NA	No overburden generation
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During the inspection the excavation activities was not in operation, however, fresh marks of excavation were evident in the pit, one in-pit crusher unit was found in the excavated pit. As communicated by the representative of lease owner that unit is used to be operated with the power of tractor attachment. The workmanship of the pit was not of the quality standard.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	01	01	Pit-1
3b	Quantity of ROM mineral production proposed	89536 tonnes	22325.92 production /25025.92 despatch tonnes	
3c	Recovery of saleable/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 proposed	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	NA	Entire ROM is saleable
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	Not proposed	NA	

3k	Provision of mining machineries in mineral benches	Rock Breaker, Excavator and dumpers	Rock Breaker, Excavator and dumpers																				
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	NA																				
3m	Total area covered under excavation/pits	2.77 Ha.	1.53 Ha.																				
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	No OB																			
3o	Total area put in use under different heads at the end of year	Pit- 1.466 ha.(including-water reservoir) Road-0.25,Mineral storage &Infrastructure -0.01ha, & other – 0.05 (plantation)	Pit- 1.53 ha., (including-water reservoir) Road-0.59, Storage Yard- 0.11 ha., Infrastructure - 0.02ha, & other – 0.05 (plantation)																				
3p	Production of ROM mineral during last five-year period, as applicable	<table border="1"> <tr> <td>2018-19</td> <td>89536</td> <td>2018-19</td> <td>7000</td> </tr> <tr> <td>2019-20</td> <td>89536</td> <td>2019-20</td> <td>500</td> </tr> <tr> <td>2020-21</td> <td>89536</td> <td>2020-21</td> <td>0</td> </tr> <tr> <td>2021-22</td> <td>89536</td> <td>2021-22</td> <td>5385</td> </tr> <tr> <td>2022-23</td> <td>89536</td> <td>2022-23</td> <td>22325.92</td> </tr> </table>	2018-19	89536	2018-19	7000	2019-20	89536	2019-20	500	2020-21	89536	2020-21	0	2021-22	89536	2021-22	5385	2022-23	89536	2022-23	22325.92	All figures are in tonnes.
2018-19	89536	2018-19	7000																				
2019-20	89536	2019-20	500																				
2020-21	89536	2020-21	0																				
2021-22	89536	2021-22	5385																				
2022-23	89536	2022-23	22325.92																				
3q	General remarks of inspecting officer on method of mining etc.																						

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	NA	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	NA	
4c	Number of dumps within lease area and outside lease area	Not proposed	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	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			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NA	
5b	Area under backfilling of mined out area	Not proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NA	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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.	Not submitted in Annual Return, Violation has been pointed out		
6b	Management of worked/mined out benches	-	-	
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	Not proposed	NA	
	iii) No. of saplings planted during the year	43	Less than 50%	Violation has been pointed out
	iv) Cumulative no. of plants	215	Less than 100	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	-	-	Details is not made available, covered under the issued violation.
6c	Compliance on reclamation and rehabilitation by backfilling	Not proposed	NA	
	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			
6d	Compliance of Rehabilitation of waste land within lease	Proposal for planting 215 no of plants	Less than 100 plants found survived	Violation has been pointed out
	i) Afforestation			
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Annual report of PMCP for the year 2022-23 has not been uploaded by the lessee. Violation has been pointed out in this regard.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral despatch	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	As per proposal	
7c	Different grade of mineral sorted out at mines	Not proposed	As per proposal	
7d	Any beneficiation process at mines	Not proposed	As per proposal	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	Not proposed	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	100 m fencing	50 m fencing found	Violation has been pointed out
8g	Survival rate	60%	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed	No water tanker found	Violation has been pointed out
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9.1	Status of submission of Monthly and Annual returns	Monthly return of February 2024 submitted A.R. for 2022-23 submitted on 29.06.2023.	

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	Mining Engineer and geologist given	During inspection Geologist was not found employed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under opencast working, buildings and plantation	Found in order	
9d	Scrutiny of Annual return on afforestation	60% survival rate is given	Less survival rate was found.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	253.8 for cement grade	Exploration cost has not been found in the cost of production for which violation has been issued.	
9i	Scrutiny of Annual return on fixed assets	Rs. 4,50,000/-	Found in order	
9k	Scrutiny of Annual return on mining machineries	Back hoe excavator	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - During the inspection on 11/03/2024 violations pointed out of MCDR Rule 11(1), 26(2), 33, 40, 45(1), 45(5)(c) read with 45(7) & 45(7A) and 55(1)(c)
