

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Vasai Limestone & Marl Mine (Survey No 183)
1(b)	Name of Inspecting Officer	Sunil Kumar Sharma, Sr. ACOM
1(c)	Type of Inspection	MCDR/ Star rating
1(d)	Date of Inspection	21.12.2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 4.2467 Ha. Forest land - Nil Non Forest land – 4.2467 Ha.
3	Mine-code	38GUJ07080
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9230/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Rajesh Sarsulbha Ker, Ashapura Society, Post-Surajkaradi- District-Devbhumi Dwarka, Gujarat) rajesh_ker @yahoo.com
6	Village	Vasai
7	Taluka/Mandal	Okhamandal
8	District	Devbhumi-Dwarka
9	Pin code	361347
10	State	Gujarat
11	Post office	Okhamandal
12	Nearest police station	Davbhumi-Dwarka
13	Nearest Railway station	Davbhumi-Dwarka
14	Date of Grant of Mining Lease	28.07.2006
15	Date of Execution	27.11.2006
16	Date of opening of Mine	27.11.2006
17	Date of first Renewal, if applicable and its period & expiry	Expiry 26.11.2056 as per MMDR Act, 2015, under process
18	Date of second Renewal, if applicable and its period & expiry	-
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	Shri Rajesh Sardulbha Ker, Ashapura Society, Post-Surajkaradi- District-Devbhumi Dwarka- (Gujarat), rajesh_ker @yahoo.com, mobile-9979884709
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajesh Sardulbha Ker, Ashapura Society, Post-Surajkaradi- District-Devbhumi Dwarka- (Gujarat), rajesh_ker @yahoo.com, mobile-9979884709
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	Bharatbhai J Chaudhari, B.E. (Mining),

	experience with Address, phone, email, fax number and date of appointment in mine	Mobile No. 9424462664 Date of Appointment 01.03.2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	684(4)(1)/MP-336(266)/2021-22 Dated 16/08/2021 Period: 2021-22 to 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
27	Mineral(s) granted in lease and proved for mining	Limestone & Marl
28	Method of Mining(Open cast, Underground)	Open cast
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 (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No backlog	NA	-
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	Nil	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	
1e	Balance reserves as on 31.03.2023	124156 tonnes		
1f	General remarks of inspecting officer on geology, exploration etc.	Entire area has already been explored in G-1 Category. Total lease area is mineralised zone.		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit -1 (Centre of Mining Lease)	Pit – 1 241763N to 241640 N	-

		241760 N to 241650 N 499820E to 500005 E	499870 E to 499930 E	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposal	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m ³	No Proposal	Nil	-
2e	Quantity of overburden generation in m ³	No Proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	ML area is developed by single mine pit. At the time of inspection mines was not in operation due to water logged.		

3.0 Exploitation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One Pit (Pit-1)	One Pit (Pit-1)	-
3b	Quantity of ROM mineral production proposed	Limestone: 30,000 t Marl: 73,000 t	Limestone: 7,671t Marl: 9,829 t	-
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No Proposal	Nil	-
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	-
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	-
3g	Grade of sub-grade mineral generation	No Proposal	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Nil	-
3j	Provision of drilling & blasting in mineral benches	No Proposal	Nil	-
3k	Provision of mining machineries in mineral benches	Back Hoe- 1 Dumper: 4	Back Hoe- 1 Dumper: 4	-
3l	Whether height of benches in overburden and mineral suitable for method of mining	Bench Height: 6m	Yes Bench Height: 6m	-

	proposed in MP/SOM			
3m	Total area covered under excavation/pits	2.6503 Ha.	2.52 ha. Excavated	-
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	-
3o	Total area put in use under different heads at the end of year	3.68 Ha.	2.64 Ha.	-
3p	Production of ROM mineral during last five-year period, as applicable	2021-22: 1,03,000 t 2022-23: 1,03,000 t 2023-24: 1,03,000 t	2021-22 : Nil 2022-23: Nil 2023-24: 17,500 t	-
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is opencast mechanised method without drilling & blasting with excavator & tipper combination.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	Nil	-
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Nil	-
4c	Number of dumps within lease area and outside lease area	No Proposal	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	-
4e	Number of active & alive dumps	No Proposal	Nil	-
4f	Number of dead dumps	No Proposal	Nil	-
4g	Number of dumps stabilised	No Proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	-
4j	Number of settling ponds	No Proposal	Nil	-
4k	Specific comments of inspecting officer	The area is devoid of OB/waste. proposed & generated presently.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2023-24)	Actual work (2023-24)	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	No Proposal	Nil	-

	restoration or rehabilitation of mined out area (Rule 32)			
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	At the time of inspection, mine was not in operation and was water logged.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2023-24)	Actual work (2023-24)	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 Annexure-20.	Proposed	Submitted	-
6b	Management of worked/mined out benches			-
6c	i) Area available for rehabilitation (ha)	0.1 Ha	0.1 Ha.	
6d	Afforestation done (ha)	100 No.	100 No.	
6e	No. of saplings planted during the year	-	-	
6f	Cumulative no. of plants	-	-	
6g	Any other specific method of rehabilitation Cost incurred on watch & care during the year	-	-	
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Proposal	Nil	-
6i	ii) Void filled by waste/tailings			
6j	iii) Afforestation on the backfilled area			
6k	iv) Rehabilitation by making water reservoir			
6l	v) Any other specific means			
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No Proposal	Nil	-
6n	ii) Area rehabilitated (ha)			
6o	iii) Method of rehabilitation			
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Environment monitoring is being carried out	-
6q	General remarks of inspecting officer on PMCP compliance & progressive	PMCP compliance is found satisfactory.		

7.0 Mineral Conservation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	1,03,000 t (Limestone: 30000 t) (Marl: 73,000 t)	17,500 t (Limestone: 7671 t) (Marl: 9829 t)	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Nil	-
7c	Different grade of mineral sorted out at mines	No Proposal	Nil	-
7d	Any beneficiation process at mines	No Proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is utilising by proper sizing & sorting. No beneficiation study done.		

8.0 Environment

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Nil	-
8b	Concurrent use or storage of topsoil	No Proposal	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)	NA	NA	-
8g	Survival rate	70%	70%	
8h	Water sprinkling on roads to control airborne dust	No Proposal	Nil	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mines are degraded mine pit. Around the mine shrubs & bushes are observed.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
9a	Status of submission of Online Monthly and Annual returns	Monthly return November 2024 submitted on 09.12.2024 Annual Return 2024 submitted on 25.06.2024	-
S. N.	Item	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Bharatbhai J Chaudhari	-
9c	Scrutiny of Annual return on	Area under mining pit: 2.52 ha.	-

	land use pattern for area under pits, reclaimed area, dumps etc.	Road: 0.202 Ha Plantation: 0.3 Ha.	
9d	Scrutiny of Annual return on afforestation	100 No. Survival rate:70%	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	-	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: Nil Graded ore stock: Nil	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price of Limestone: ₹ 473.05/- Ex-mine Price of marl: ₹ 338.92/- Cost of Production: ₹ 204.20 /-	-
9i	Scrutiny of Annual return on fixed assets	Land: ₹ 3,00,000/- Machinery: ₹ 24,75,000/-	-
9k	Scrutiny of Annual return on mining machineries	Back Hoe: 01 No. Dumper: 4 No.	-

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

- (i) During the inspection, no significant violation has been observed.
- (ii) Violation of Rule 28 & 34A was observed during last inspection which was complied on 27.02.2024.

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines
