

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	AJOTHA (S.NO.389/1) Limestone Mine
1(b)	Name of Inspecting Officer	Sunil Kumar Sharma, Sr. ACOM
1(c)	Type of Inspection	MCDR, 2017
1(d)	Date of Inspection	18.10.2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area -2.0 Ha (Non Forest land)
3	Mine-code	38GUJ08278
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/11302/2012
5	Name of the lessee, Address, phone, email and fax number	Arjan Bhai Rathod, Ajotha Near Primary School, Veraval, Gujarat. Phone: 9429198488; email: vikramconstruction@hotmail.com
6	Village	Ajotha
7	Taluka/Mandal	Patan-Veraval
8	District	Gir Somnath
9	Pin code	362266
10	State	Gujarat
11	Post office	AJOTHA
12	Nearest police station	AJOTHA
13	Nearest Railway station	Somnath Railway Station
14	Date of Grant of Mining Lease	24/04/1979
15	Date of Execution	08/10/1979
16	Date of opening of Mine	08/10/1979
17	Date of first Renewal, if applicable and its period & expiry	29.08.2018, The Lease period has been extended up to 07/10/2029 under Rule 8(A)(6) vide Letter No. MCR/1578(R-4)/3427/CHH1 dated 29.08.2018
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	Arjanbhai Khimabhai Rathod, Harijan Vas, Post Ajotha, Taluka Veraval, Dist.- Gir Somnath Mobile: 9429198488; email: vikramconstruction@hotmail.com
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	-
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan Letter No.: 682(23)(290)/91MCCM (N)UDP, Date: 10/05/1993 Period 01/04/1993 to 31/03/1998
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan: MCDR-MPCP0CaFl/14/2023-GNR dated 27/09/2023 Period: 01/04/2023 to 31/03/2028

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 (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	No backlog	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	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 31.03.2024 (in Metric Tonne)	UNFC Code	Reserves/ Resources	-
		111	122,575 tonnes	
		221	24,134 tonnes	
		Total	146,709 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Entire lease area was already explored in the G-1 Category.		

2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	South of the Lease area	South of the Lease area	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal for topsoil and OB	No top soil and OB generated	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m3	No Proposal	Nil	-
2e	Quantity of overburden generation in m3	No Proposal	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No overburden and top soil generated during the year 2023-24.		

3.0 Exploitation

SN	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	24,650 tonnes	75 tonnes	-
3c	Recovery of saleable/usable mineral from ROM production	24,650 tonnes	75 tonnes	-
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 for segregation	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	Excavator: 01 No.(1.2m ³ bucket capacity) Dumper: 04 No. Water Tanker: 01 No.	Shovel: 01 No. Water Tanker: 01 No. Dumper: 01 No.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Benches only in mineral Bench height: 4m	Bench height: 4m	-
3m	Total area covered under excavation/pits	Area covered under pits: 1.55 Ha.	Area under pits: 1.4 Ha.	-
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	Area under Mining: 1.55 Ha. Roads: 0.04 Ha. Others: 0.15 ha.	Area under Mining: 1.4 Ha. Roads: 0.44 Ha. Others: 0.05 ha.	-
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 17991 T 2020-21: 18103 T 2021-22: 18008 T 2022-23: 16000 T 2023-24: 24,650 T	2019-20: Nil 2020-21: Nil 2021-22: Nil 2022-23: Nil 2023-24: 75 tonnes	-
3q	General remarks of inspecting officer on method of mining etc.	Mineral is excavated at bench with help of rock breaker, shovel and dumper combination. Manual sorting of the limestone is being carried out.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No dump is proposed	No topsoil and OB was generated	-
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	There was no proposal of topsoil and OB generation. There was no topsoil and OB generated during the year 2023-24.		

5.0 Solid Waste Management-Backfilling

SN	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 mined out pit available	No area was mined out during 2023-24	-
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	Nil	-
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	No area is fully mined out from the mineral. So, no mined out area is created during the year 2023-24.		

6.0 Progressive Mine Closure Plan

SN	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.	Yes	Submitted on 29.06.2024 along with Annual Return 2023-24	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No Proposal	Nil	-
6c	Afforestation done (ha)	0.05	0.05 Ha	-
6d	No. of saplings planted during the year	50 No.	50 No.	-
6e	Cumulative no. of plants	120 No.	80 No.	Violation observed under Rule 11(1)
6f	Any other specific method of rehabilitation	No Proposal	Nil	-
6g	Cost incurred on watch & care during the year	₹ 50,000/-	₹ 50,000/-	-
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Proposal	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings	No Proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the backfilled area	No Proposal	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir	No Proposal	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling v) Any other specific means	No Proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No Proposal	Nil	-
6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	No Proposal	Nil	-

6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	No Proposal	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Provision of environment monitoring is being	Environment monitoring is being carried out.	-
6q	General remarks of inspecting officer on PMCP compliance & progressive	Violation observed under Rule11(1), the cumulative plantation in the mine has not been carried out as per proposal.		

7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Production: 24650 Direct selling	ROM: 75 tonne Dispatch as chemical 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	Direct selling to Plants	Chemical Grade Limestone	-
7d	Any beneficiation process at mines	No Proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Manual sorting of ROM, the mineral is being dispatched to near chemical plant of GHCL limited as chemical grade limestone.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of topsoil generation	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)	120 No.	80 Plants	Violation under Rule 11(1)
8g	Survival rate	80%	50%	
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	The proposal of the cumulative number of plants in the mine is less due to less survival rate. Infilling plants need to be planted. Violation observed under Rule 11(1).		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	Monthly Return for the month of October 2024, submitted on 08/11/2024. Annual Return for the year 2023-24 submitted on 29/06/2024	-
S.	Item	COMMENTS	-

N			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information provided in annual return.	Violation observed under Rule 55
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining: 1.4 Ha. Under utility services: 0.44 Ha. Under Plantation: 0.05 Ha.	-
9d	Scrutiny of Annual return on afforestation	Trees Planted during the year: 50 No. Survival Rate: 50%	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of chemical grade limestone: 5 tonne	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- Mine Price: ₹633/- per tonne Cost of Production: ₹ 357.72/-	-
9i	Scrutiny of Annual return on fixed assets	Nil	-
9k	Scrutiny of Annual return on mining machineries	Shovel- 01 No. Water Tanker- 01 No.	-

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

- (1) Last inspection was carried out on 04.08.2023 and no violation was observed during the inspection.
- (2) Drone survey data for the year 2023-24 was analysed, it is found as per SOP.
- (3) During the inspection following violations has been observed.

नियम सं.	उल्लंघन के प्रकार का विस्तृत ब्यौरा
11(1)	The following work is not being done as per the approved Review of Mining plan No. MCDR-MPCP0CaF1/14/2023-GNRIBM_RO_GNR MP-477 dated 27.09.2023:- According to Table No. 6.2.3.2 of the approved mining plan, it was proposed to plant 50 no. plants during the year 2023-24 but at the time of inspection it was found that about 25 plants are survived.
55 (3)	For the purpose of carrying out reconnaissance, prospecting or mining operations in accordance in with the rules- every holder of a mining lease shall employ, in case of— (ii) category 'A' mines having lease area below twenty-five hectares and category 'B' mines, a part-time mining engineer and a part-time geologist. In your case, you have not employed a part-time mining engineer and a part-time geologist.

(सुनील कुमार शर्मा)
वरिष्ठ सहायक खान नियंत्रक