

MCDR & FMCP INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Adityana Limestone Mine
1(b)	Name of Inspecting Officer	Sunil Sharma, Sr.ACOM Manish Gupta, ACOM
1(c)	Type of Inspection	MCDR Inspection & FMCP compliance
1(d)	Date of Inspection	08.06.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	24.38 Ha (Non-Forest: 24.38 Ha & Forest: 0 Ha)
3	Mine code	38GUJ21015
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/9089/2012
5	Name of the lessee, Address, phone, email, and fax number	M/s Industrial Minerals Address: 2, Vadi Plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Mobile No: 9825355749 Email ID: tannadipesh@yahoo.com
6	Village	Adityana
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360575
10	State	Gujarat
11	Post office	Adityana
12	Nearest police station	Adityana
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	27.12.1973
15	Date of Execution	24.06.1974
16	Date of opening of Mine	24.06.1974
17	Date of first Renewal, if applicable and its period & expiry	First Renewal Application (D:10.04.1993) & Receipt (D: 11.05.1993) Period: 24.06.1994 to 23.06.2014 Expiry: 23.06.2014
18	Date of second Renewal, if applicable and its period & expiry	Second Renewal Application (D:25.04.2013) & Receipt (D: 27.05.2013) Period: 24.06.2014 to 23.06.2024 Expiry: 23.06.2024
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Nil
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nominated Owner: Nitinkumar Jagdishchandra Thanki Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Mobile No. 9825355749 Email ID: tannadipesh@yahoo.com Date of appointment: 27.11.2019
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Nitin Thanki Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Mobile No. 9825355749 Email ID: tannadipesh@yahoo.com Date of appointment: 27.11.2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Padam Singh, B.E. (Mining) Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Date of Appointment: 01/12/2022
23	Name of the Mining Engineer,	Mr. Padam Singh, B.E. (Mining)

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	Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Date of Appointment: 01/12/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Mr. Manoj Kumar Sharma, M.Sc.(Geology) Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Date of appointment: 01/04/2021
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modification of Mining Plan Date: 27/03/2024 (From: 01.04.2024To:23.06.2024)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Nil
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully 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	Remarks
1a	Backlog of previous year	No Proposal	NA	-
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	NA	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	NA	-
1e	Balance reserves as on 01.04.2024	UNFC Code	Reserves/ Resources	-
		111	1505448.65 tonnes	
		221	1697620 tonnes	
		Total	3203068.65 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease area i.e. 24.38 Ha has already been explored under G1 category.		

2.0 Development

SN	Item	Proposals (2023-24)	Actual work	Remarks
2a	Location of development w.r.t. lease area	North west side of Lease Area	North west side of Lease Area	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Mineral Bench: 6m (20-14 mRL), OB & Topsoil: 0	Mineral Bench: 6m (20-14mRL), OB & Topsoil: 0	-
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.	OB & Topsoil not Proposed and Generated during plan period.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
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		(2023-24)		
3a	Number of pits proposed for production	10 Pits (Pit No. 2,3,4,5,6,7,8,9,10 & 11)	10 Pits (Pit No. 2,3,4,5,6,7,8,9,10 & 11)	-
3b	Quantity of ROM mineral production proposed	2,50,000 tonnes	2,49,851 tonnes	-
3c	Recovery of salable/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	NA	-
3f	Quantity of sub-grade mineral generation	No Proposal	NA	-
3g	Grade of sub-grade mineral generation	No Proposal	NA	-
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual Segregation up to 50 to 100 mm size	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	NA	-
3j	Provision of drilling & blasting in mineral benches	No Proposal	NA	-
3k	Provision of mining machineries in mineral benches	Excavator, Loader, Dumper and Rock-Breaker	Excavator, Loader, Dumper and Rock-Breaker	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m bench height	Yes	-
3m	Total area covered under excavation/pits	19.85 Ha.	20.24 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 put to use: 21.58 Ha Mineral Storage: 0.96 Ha Infrastructure & Road: 0.55 Ha	Area put to use: 20.24 Ha Mineral Storage: 0.641 Ha Infrastructure & Road: 0.698 Ha	-
3p	Production of ROM mineral during last five-year period, as applicable (in tonne)	2019-20: 150000T 2020-21: 150000T 2021-22: 250000T 2022-23: 250000T 2023-24: 250000 T	2019-20: 18100 T 2020-21: 150000T 2021-22: 150000T 2022-23: 249950T 2023-24: 249851T	-
3q	General remarks of inspecting officer on method of mining etc.	-		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	NA	-
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	NA	-
4c	Number of dumps within lease area and outside lease area	No Proposal	NA	-

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4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	NA	-
4e	Number of active & alive dumps	No Proposal	NA	-
4f	Number of dead dumps	No Proposal	NA	-
4g	Number of dumps stabilised	No Proposal	NA	-
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	NA	-
4i	Length of Retaining wall or garland drain all along dump	No Proposal	NA	-
4j	Number of settling ponds	No Proposal	NA	-
4k	Specific comments of inspecting officer	Topsoil, OB & mineral reject not proposed and generated during plan period.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2023-24)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No mined out area proposed	No mined out area	-
5b	Area under backfilling of mined out area	No Proposal	NA	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	NA	-
5d	Total area fully reclaimed & rehabilitated	No Proposal	NA	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no mined out area in the mines. So, no area is under backfilling.		

6.0 Progressive Mine Closure Plan/ FMCP

SN	Item	Proposals (2023-24)	Actual work	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	Yes Submitted on 08.06.2024	-
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	i) 1.84Ha ii) 1.84 Ha iii) 1800 No. iv) 4000 No. v) No proposal vi) 2,40,000/-	i) 1.84 Ha ii) 1.84 Ha iii) 1450 No. iv) 4000 No. v) No proposal vi) 2,40,000/-	Violation observed under Rule 26(1) for less plantation.
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 (Fencing)	No proposal	NA	-

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6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	NA	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environment monitoring is proposed	Environment monitoring was carried out.	-
6f	General remarks of inspecting officer on PMCP compliance & progressive / FMCP compliance	Violation observed under Rule 26(1) for less Plantation. Joint inspection with Shri Manish Gupta, ACOM was carried out on 08.06.2024 for Mining plan and FMCP compliance.		

7.0 Mineral Conservation

SN	Item	Proposals (2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Production : 250000 tonne	Production: 249851 tonne (Chemical grade: 119300 t) (Cement Grade: 130551 t)	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sorted out at mines	Chemical & Cement Grade	Chemical & Cement Grade	-
7d	Any beneficiation process at mines	No proposal	NA	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	During inspection, it was found that ROM is sorted manually at sorting yard in the form of chemical and cement grade Limestone. Separate stacks of both grades were found in the lease area.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	NA	-
8b	Concurrent use or storage of topsoil	No Proposal	NA	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	NA	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Mine is in working and mineral has not been exhausted.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yr. 2023-24: 1800 No.	Yr.2023-24: 1450 No.	Violation observed under Rule 26(1) for less plantation.
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being getting airborne	Mobile water tankers have been deployed for the purpose.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	During inspection, it was found that around 1450 plants were planted which is less than proposed during the year 2023-24. Violation observed under Rule 26(1) for less Plantation.		

9.0 Compliance of Rule 45

S. N	Item	COMMENTS	Remarks
9a	Status of submission of	Annual Return 2023-24 Submitted: 08.06.2024	-

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	Monthly and Annual returns	Monthly Return submitted up to June 2024	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Appointed Mining Engineer: Mr. Padam Singh, B.E. (Mining) Geologist: Mr. Manoj Kumar Sharma, M.Sc. (Geology)	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O-C) Workings: 20.243 Ha Occupied by plant, buildings, residential, welfare buildings and roads: 0.698 Ha Mineral Storage: 0.641 Ha Work done under progressive mine closure plan: 1.84 Ha	-
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year: 1800 No. Total no. of trees at the end of the year: 4000 No.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil mineral reject	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil ROM stock Grade wise stock (closing stock) Chemical Grade: 292.06 tonne Cement Grade: 138.131 tonne	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price: Chemical grade Limestone: 587 Rs/tonne Cement grade Limestone: 338 Rs/ tonne Cost of production: 290 Rs/tonne	-
9i	Scrutiny of Annual return on fixed assets	Expenditure on Exploration, pre-production & development: 500000 Rs	-
9k	Scrutiny of Annual return on mining machineries	Back Hoe: 02 No. (0.9m ³) Front end Loader: 01 No. (0.9m ³) Dumper: 03 (17 tonne) Water Tanker: 01(4000 Litre) Rock Breaker: 01 No.	-

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Joint inspection with Shri Manish Gupta, ACOM was carried out on 08.06.2024 for Mining plan and FMCP compliance. Following violations are observed:-

- (i) Violation observed under Rule 26(1) for less Plantation. It was found that around 1450 plants were planted which is less than proposed during the year 2023-24.
- (ii) Violation of Rule 34A for non-submission of Digital aerial images of mining lease area for the year 2023-24 was observed as lease expiring on 23.06.2024.
- (iii) As Mining Lease period is expiring on 23.06.2024, therefore a letter has been sent to the lessee for seeking needful information under Rule 67 of MCDR 2017.

Date: 21.06.2024

(Manish Gupta)
Assistant Controller of Mines

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines