

## INSPECTION REPORT

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**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Adityana Limestone Mine
1 (b)	Name of Inspecting officer & Designation	Snehalkumar Patel, AME
1 (c)	Accompanying Mines Representatives	M/s Industrial Minerals C/o Nitin Jagdishchandra Thanki
1 (d)	Type of Inspection	Review of Mining Plan
1 (e)	Date of Inspection	16-02-2024
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	Minecode	38GUJ21015
4	IBM Registration Number under rule 45 of MCDR, 2017	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: <a href="mailto:tannadipesh@yahoo.com">tannadipesh@yahoo.com</a>
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: Nitin Jagdishchandra Thanki Address: 2, Vadi plot, Opp. Kamla Nehru Park, Porbandar, District: Porbandar (Gujarat), Pincode: 360575. Mobile No. 9825355749 Email ID: <a href="mailto:tannadipesh@yahoo.com">tannadipesh@yahoo.com</a> Date of appointment: 27.11.2019
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Nitin Thanki
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh. Padam singh, Mining Engineer 161, J Block, Sector-14, Udaipur. Date of appointment : 01-04-2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh. Padam singh, Mining Engineer 161, J Block, Sector-14, Udaipur. Date of appointment : 01-04-2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sh. Manojkumar Sharma, Geologist 6F, 29 VIP colony, Sector-9, Udaipur 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.	684(4)(1)/MP-258/2019-20-GNR/005 06/01/2020
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<b>Review of Mining Plan</b> No. 684(4)(1)/MP-258/2019-20-GNR/005 06/01/2020 period from 2021-22 to 2019-20 to 2023-24
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. –

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**Exploration**

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
1a	Backlog of previous year	14 Bore holes to bring the entire area under G1.	14 Bore holes	
1b	Exploration over lease area for Geological axis 1 or 2.	G1	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.02.2024	Proposed	111- 1514099 T 221 – 1697620 T	
1f	General remarks of inspecting officer on geology, exploration etc.	Area has been fully explored to G-1 Level and no further exploration is required. Most of the lease area is exposed & worked out for chalk mineral & remaining lease area of limestone exploration has been carried out.		

**2.0 Development**

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
2a	Location of development w.r.t. lease area	2022-23: Nmax: 2399100 Nmin: 2398699 Emax: 570900 Emin: 570642  2023-24: Nmax: 2398974 Nmin: 2398068 Emax: 570787 Emin: 570485	2022-23: Nmax: 2399124 Nmin: 2398692 Emax: 570945 Emin: 570632  2023-24: Nmax: 2398968 Nmin: 2398072 Emax: 570791 Emin: 570473	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Mineral Bench: 6m (20-14 mRL),	Mineral Bench: 6m (20-14mRL),	Limestone is outcropping in nature, Hence no soil or OB proposed.
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.	Overall layout of benches found in order.		

**3.0 Exploitation**

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2022-23: 250000 T 2023-24: 250000 T	2022-23: 249950 T 2023-24: 241201.35 T (Up to Jan.2024)	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	Cement and chemical grade
3d	Quantity of mineral reject generation	NIL	NIL	No mineral rejects generated
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	NIL	NIL	
3g	Grade of sub-grade mineral generation	Threshold value= (>34%CaO and <4% of MgO)	Threshold value=(>34%CaO and <4% of MgO)	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	
3j	Provision of drilling & blasting in mineral	NIL	NIL	

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	benches		
3k	Provision of mining machineries in mineral benches	shovel/tipper combination	As per Proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Top soil = NIL OB= Nil Mineral = 4 to 5 Mts
3m	Total area covered under excavation/pits	20.24 Ha.	16.33 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	Mining-20.24 Ha Other- 1.34 Ha	Mining-16.33 Ha. Other – 1.73 Ha. No Reclaimed-rehabilitated found.
3p	Production of ROM mineral during last five-year period, as applicable	2019-20-150000 t 2020-21-150000 t 2021-22-150000 t 2022-23-250000 t 2023-24-250000 t	2019-20-18100 t 2020-21-150000 t 2021-22-150000 t 2022-23-249950 t 2023-24-241201 t (up to Jan-24)
3q	General remarks of inspecting officer on method of mining etc.	Excavator/shovel, dumper combination तरीके से निर्धारित लक्ष्य से कम कार्य किया गया है।	

## 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	NA, No mines waste, concurrent use of top soil for plantation.	NIL	
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	
4c	Number of dumps within lease area and outside lease area	NIL		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL		
4e	Number of active & alive dumps	NIL		
4f	Number of dead dumps	NIL		
4g	Number of dumps established	NIL		
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	पट्टा क्षेत्र में OB, dump नहीं है।		

## 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	-
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान Backfilling के लिए Mature नहीं है तथा Filling material उपलब्ध नहीं है।		

## 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 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.	As per rule	Submitted	-
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	2022-23: i) Nil ii) 1.6054 ha iii) 1600 Nos iv) Nil v) Fencing-3530m Vi) Cost for watch and care during the year: 1 Person	2022-23: i) Nil ii) Approx. 1.5 ha iii) More than 1500 nos iv) Nil v) Fencing work done near lease boundary & pit	-

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		(Expenditure: 160000 Rs.)	area. Vi) NA	
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	Nil	Nil	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	The environment in the mining area was satisfactory as observed during inspection.		

## 7.0 Mineral Conservation

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2022-23: 250000 T 2023-24: 250000 T	2022-23: 249950 T 2023-24: 241201.35 T (Upto January'2024)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised and Manual	Manual breaking and mechanised	
7c	Different grade of mineral sorted out at mines	Chemical & Cement Grade	Chemical & Cement Grade	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM after proper sizing is sold to the cement industry and soda ash plants in the nearby locations.		

## 8.0 Environment

SN	Item	Proposals (2022-23 & 2023-24)	Actual work (2022-23 & 2023-24)	Remarks
8a	Separate removal and utilization of topsoil	Nil	Nil	Very thin layer of top soil present in lease area.
8b	Concurrent use or storage of topsoil	Nil	Nil	उत्पन्न top soil पौधारोपण के काम ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	There is no dump in the lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per PMCP 2022-23: 1600 Nos 2023-24: 1800 Nos	Plantation More than 1500 nos.	
8g	Survival rate	80%	NA	
8h	Water sprinkling on roads to control airborne dust	Regular water sprinkling is done on haul road and loading and unloading point.	Regular water sprinkling is done on haul road and loading and unloading point to control fugitive emission.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Very thin layer of Top soil occurred. The aesthetic environment of lease area is satisfactory.		

## 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to till date - Submitted A.R. submitted up to till date- Year 2022-23 Submitted on 27-06-2023	--

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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	No Mining Engineer & Geologist	Form-H submitted.	Violation issued 45(5) Read with 45(7)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit 16.658 Ha Other (Storage, Road & Plantation): 2.918 Ha	Mining-16.33 Ha. Other – 1.73 Ha.	
9d	Scrutiny of Annual return on afforestation	Plants -1600 Nos Survival rate-80%	More than 1500 nos	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical Grade-46.39 Ton Cement Grade-52.931 Ton	Chemical Grade-46.39 Ton Cement Grade-52.931 Ton	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Chemical Grade- Rs.415.31 Cement Grade- Rs.276.57	Chemical Grade- Rs.359 Cement Grade- Rs.362.60	
9i	Scrutiny of Annual return on fixed assets	Rs. 7058835	Reported by lessee itself.	
9k	Scrutiny of Annual return on mining machineries	BACK HOE, DUMPER, FRONT END LOADER, WATER TANKER	BACK HOE, DUMPER, FRONT END LOADER, WATER TANKER	

10- **Details of violations observed during current inspection and compliance position of earlier violation pointed out:** No violation pending. During present inspection no violation found. As per office record violation of Rule 45(5) Read with 45(7) pointed out for rectification.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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