

## INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Adityana Limestone Mine
1 (b)	Name of Inspecting officer & Designation	Sh. Snehal Kumar Patel, AME
1 (c)	Accompanying Mines Representatives	Sh. Nitin H Thanki
1 (d)	Type of Inspection	MCDR
1 (e)	Date of Inspection	01.08.2022 (FN)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	24.38.00 Hectare
3	Minecode	38GUJ21015
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/9098/2012
5	Name of the lessee, Address, phone, email and fax number	Industrial Minerals 2. Vadi Plot, Opp. Kamla Nehru Park Porbandar (Gujarat) Mo. 99253 42642 <a href="mailto:Industrialminerals190@gmail.com">Industrialminerals190@gmail.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	Ranavav
13	Nearest Railway station	Ranavav
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	24.06.1994-Deemed renewed
18	Date of second Renewal, if applicable and its period & expiry	24.06.2014-Deemed renewed
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	25.04.2013 extended till 24.04.2024
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sh. Nitin H Thanki 2. Vadi Plot, Opp. Kamla Nehru Park Porbandar (Gujarat) Mo. 0286-2242949, 2241124 <a href="mailto:Industrialminerals190@gmail.com">Industrialminerals190@gmail.com</a>
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh. Shailesh Kumar Dave BE Mining Date of appointment in mines - 06/08/2021 Industrial Minerals 2. Vadi Plot, Opp. Kamla Nehru Park Porbandar
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh. Sehailsh Kumar Dave BE Mining Date of appointment in mines - 06/08/2021 Industrial Minerals 2. Vadi Plot, Opp. Kamla Nehru Porbandar
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Geologist- Sh. Manojkumar Sharma Mining Engineer - Sh. Sehailsh Kumar Dave
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	Review of Mining Plan No. 684(4)(1)/MP-258/2019-20-

	Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	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 and Chalk
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		Proposals of (2021-22)	Actual work	Remarks
1a	Item	Proposals of (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	14 Bore holes to bring the entire area under G1.	14 Bore holes	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Industrial Minerals	Industrial Minerals	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	24.38 Ha to bring from G2 to G1	
1e	Balance reserves as on 01.04.2022	111- 286700 T 122- 61300 T 221- 148200 T 222- 216000 T 333- 1822100 T	111- 286700 T 122- 61300 T 221- 148200 T 222- 216000 T 333- 1822100 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.		

### 2.0 Development

SN	Item	Proposals of (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	E/W 570600 570700 N/S 2398820 2398850	As proposal.	---
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	There was no such proposal	As per plan	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 m <sup>3</sup>	Nil	As per plan	---
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	As per plan	---
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The deposit is flat bedded deposit and There is no O/B and there is also no any generation of rejects in the lease area.		

### 3.0 Exploitation

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	150000 tonnes	150000 Tonnes	
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	No mineral rejects generated	-
3f	Quantity of sub-grade mineral generation	NIL	NIL	-

3g	Grade of sub-grade mineral generation	NIL	NIL	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised / manual	Mechanised/Manual	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NA	-
3j	Provision of drilling & blasting in mineral benches	No	NA	-
3k	Provision of mining machineries in mineral benches	Rock Breaker, Excavator, Loader and Tipplers	Rock Breaker, Excavator, Loader and Tipplers	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench formed as per the proposal	-
3m	Total area covered under excavation/pits	17.4127 Ha,	Approx. 17.00 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	Pit- 17.4127 Waste/reject Others- 0.4769	Approx. 17.00 Ha.	-
3p	Production of ROM mineral during last five-year period, as applicable	2017-18-Nil 2018-19-Nil 2019-20-150000tonne 2020-21-150000 tonne 2021-22-150000 tonne	2017-18-23450 tonne 2018-19-Nil 2019-20-18100 tonne 2020-21-150000 tonne 2021-22-150000 tonne	
3q	General remarks of inspecting officer on method of mining etc.	There is no Overburden in mining area and height of benches in mineral is suitable for method of Mining proposed in Plan.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	NA, No mines waste, concurrent use of top soil for plantation.	NA, No mines waste, concurrent use of top soil for plantation	
4b	Location of topsoil, OB & mineral reject dumps	NIL	No proposal.	
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	No proposal.	
4i	Length of Retaining wall or garland drain all along dump	NIL	No proposal.	
4j	Number of settling ponds	NIL	Temporary water storage during monsoon season is being used in plantation and GW recharge.	
4k	Specific comments of inspecting officer	There is no Overburden in mining area as the limestone is outcropping in the area.		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	Partial	
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	Utilized for plantation	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is practically no soil covering in this area. So provision for separate stacking of topsoil also has not been made and area is not matured for backfilling.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals of (2021-22)	Actual work (2021-22)	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.	Praposal given in RMP.	Yes 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	i) 0.2 Hect. ii) 0.2 hect iii) 200 iv) 600 v) Nil vi) Rs. 88830.00	Approx. work done.	-
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	Not proposed.	NA	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Methof of rehabilitation	i) 200 Nos. ii) 0.2 Hect.	Approx. work done.	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Ones in a year as mentioned in page 53 of RMP.	As per proposal.	-
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 of (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	150000 Tonne	As per proposal.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised and Manual breaking and Segregation Mechanised	Manual breaking and Segregation Mechanised	NIL
7c	Different grade of mineral sorted out at mines	NIL	NIL	NIL
7d	Any beneficiation process at mines			
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 of (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil	Subsequent use of top soil as & when encountered.	Nil	
8b	Concurrent use or storage of topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37(1))			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)			
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per PMCP Plantation 200 Nos	Approx. work done.	
8g	Survival rate	100%	40%	Actual as per annual return.
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	The aesthetic environment in and around lease is beautiful.		

**9.0 Compliance of Rule 45**

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date - Yes A.R. submitted up to till date- Yes		
S.N	Item	Details given in A.R 2021-22	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Found in order	
9d	Scrutiny of Annual return on afforestation	Yes	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	Found in order	
9i	Scrutiny of Annual return on fixed assets	Yes	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes	Found in order	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- No Violation pending. During inspection No violation found.

स्नेहलकुमार पटेल  
सहायक खनन अभियंता  
भारतीय खान ब्यूरो

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