

MCDR Inspection Report

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Adityana Limestone Mine
1(a)	Name of Inspecting Officer & Designation	Sh. Snehalkumar Patel, AME
1(b)	Type of Inspection	MCDR
1(c)	Date of Inspection	01-08-2022
2	Total Lease Area (Ha) with breakup of non-forest and forest land	17.8063 Hector
3	Mine code	38GUJ21091
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/5984/2011
5	Name of the lessee, Address, phone, email and fax number	P.Dattani & Co. Mahatma Gandhi Road-Porbandar, 9428626286, yogidattani@yahoo.com
6	Village	Adityana
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin-code	360575
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	27.04.1965
15	Date of Execution	16.08.1965
16	Date of opening of Mine	16.08.1965
17	Date of first Renewal, if applicable and its period & expiry	15.06.1985 - Deemed renewed
18	Date of second Renewal, if applicable and its period & expiry	15.06.2005 - Deemed renewed
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	15.06.2005 extended till 14.06.2025
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sh. Yogi Dattani, Mahatma Gandhi Road-Porbandar, 9428626286, yogidattani@yahoo.com,0286-2242949
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. Ramesh Khima, East Kadia Plots – Porbandar 9428626286
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Yes
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.	682(23)(197)/2001-MCM(N)Udp dated 25-07-2002, period from 2002-03 to 2006-07
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 No 684(4)(1)/MP-276(59)/2020-21-GNR Dated 07/10/2020. period from 2020-21 to 2024-25
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)	Mechanised.
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved Mining plan/Review of mining. –

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil

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1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Reserves extracted	Nil	Nil	Nil
1f	General remarks of inspecting officer on geology, exploration etc.	Explored up to G1 Axis.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	E/W 570990 - 571190	E/W 570990 - 571190	---
		N/S 570950 - 571120	N/S 570950 - 571120	
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 ³	Nil	As per plan	Used in Plantation
2e	Quantity of overburden generation in m ³	NA	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 (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	One	One	---
3b	Quantity of ROM mineral production proposed	2,00,000 Tonnes	1,98,000 MT	---
3c	Recovery of salable /usable mineral from ROM production	100%	100%	Cement and chemical grade
3d	Quantity of mineral reject generation	0	0	---
3e	Grade of mineral reject generation and threshold value declared	NA	Nil	---
3f	Quantity of sub-grade mineral generation	NA	Nil	---
3g	Grade of sub-grade mineral generation	NA	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	Nil	---
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	---
3k	Provision of mining machineries in mineral benches	Rock Breaker, Excavator, Loader and Tippers	Rock Breaker, Excavator, Loader and Tippers	---
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	5.4327	Approx. 5.50	---
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	8.8986	Approx. 8.50	---

3p	Production of ROM mineral during last five-year period, as applicable (in tonne)	2017-18-30000 T 2018-19-30000 T 2019-20-30000 T 2020-21-200000 T	2017-18-10058 T 2018-19-15591 T 2019-20-29777 T 2020-21-192343 T	---
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 (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	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 stabilised	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 (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 (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.	Yes	Yes Submitted	---

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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) 0.5 Hect. ii) 0.5 hect iii) 500 iv) 600 v) Nil vi) Rs. 50000.00	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) Method of rehabilitation	i) 500 Nos. ii) 0.5 Hect.	Approx. work done.	---
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration to be monitor and should be in limit.	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 (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2,00,000 MT	1,98,000 MT	---
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised mining and Manual breaking and Segregation	Mechanised mining and Manual breaking and Segregation	---
7c	Different grade of mineral sorted out at mines	NA	Nil	---
7d	Any beneficiation process at mines	NA	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 (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes 900M3	Yes 900M3	
8b	Concurrent use or storage of topsoil	Yes	Yes	

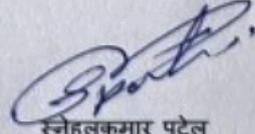
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8f	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	Negligible quantity found	---
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	Nil	---
8c	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes, as per PMCP Plantation 500 Nos	Approx. 300	---
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per PMCP Plantation 500 Nos	Approx. 300	---
8g	Survival rate	90%	90%	---
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	---
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
9a	Status of submission of Monthly and Annual returns	M.R. Submitted till June-22 A.R. of 2021-22 submitted		---
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	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.


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