

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Adityana Limestone Mine
1(b)	Name of Inspecting Officer	Snehalkumar Patel, Asst. Mining Engineer
1(c)	Type of Inspection	MCDR/SDF
1(d)	Date of Inspection	18-12-2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 17.8063 HA. Forest land – 0.0 Non Forest land – 17.8063 HA.
3	Mine-code	38GUJ456001/ 38GUJ21091
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5984/2011
5	Name of the lessee, Address, phone, email and fax number	M/s P.Dattani & Co. Mahatma Gandhi Road, Porbandar, Taluka-Porbandar, District- Porbandar (Gujarat) +91-9428626286, E-mail: 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	10.02.1966
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
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	--
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Kalpesh Padariya (Mining Engineer) Add.: 161 J Block, Sec-14, Udaipur, Mo.-96080204279, Rjrounak1224@gmail.com DoA: 01-04-2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Kalpesh Padariya (Mining Engineer) Add.: 161 J Block, Sec-14, Udaipur, Mo.-96080204279, Rjrounak1224@gmail.com DoA: 01-04-2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Smt. Charuben Solanki (Geologist) 15, Paramdham Society, Near Itola Railway Station, Itola, Dist.- Vadodara, Gujarat-391243 DoA: 01-11-2023
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1. Letter no: 682(23)(197)/2001-MCCM(N)udp dated 25-07-2002 (MP) Period: 2002-03 to 2006-07 2. Letter no: 684(4)(1)/MP-59/2017 –GNR dated 18-09-2017 (RMP) Period: 2017-18 to 2019-20 4. Letter no: 684(4)(1)/MP-276(59)/ 2020-21-GNR dated 07-10-2020 (RMP) Valid up to 31-03-2025
26	Date of Approval of Review of Mining/Modified Review of Mining with five-year period and specific condition in approval letter, if any.	Letter no: MCDR-MPCPOCaFl/4/2022-GNR-IBM_RO_GNR dated 21-02-2023 (MMP) Period: 2022-23 to 2024-25

27	Mineral(s) granted in lease and proved for mining	Limestone & Chalk
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category A Mechanised
30	Captive/Non Captive	Non Captive

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

1.0 Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	To Drill 14 BH	14 BH drilled and 10 Trials pits have been done.	G1-17.8063 Ha. G2-0 Ha. G3-0 Ha. G4-0 Ha.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Entire lease area has been explored in G1.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	As reported exploration has been done by lessee itself.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Entire lease area has been explored in G1	
1e	Balance reserves as on 31.03.2024 (in Mio. Metric Tonne)	111- 611262 T 221- 2084464 T		As per annual returns.
1f	General remarks of inspecting officer on geology, exploration etc.	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 (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	E/W 2398730 2399030 N/S 570970 571180	E/W 2398730 2399030 N/S 570970 571180	Pit-1 1.75 ha. Pit Size: 202x80x2 Pit-2 0.16 ha. Pit Size: 53x17x3.5 Pit-3 2.76 ha. Pit Size: 246x104x4 Pit-4 0.41 ha. Pit Size: 64x20x3 Pit-5 6.14 ha. Pit Size: 305x194x6
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0	1:0	-
2d	Quantity of topsoil generation in m ³	Nil	Nil	-
2e	Quantity of overburden generation in m ³	Nil	Nil	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are about 8 number of mine pits are existed & exposed the limestone mineral.		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Total – 5 Pits	5 (Pit no. 1, 2,3,4,5)	Pit details given in para 2a.
3b	Quantity of ROM mineral production proposed	426816 T	320800 T	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal	NA	
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	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 Dumpers	Rock Breaker, Excavator, Loader and Dumpers	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Overburden-3m and Mineral 6m	01 Benches in OB 2m & mineral 3.5m	As per Drone data analysis
3m	Total area covered under excavation/pits	13.69 Ha	Approx. 13 Ha	
3n	Ore to OB ratio for the pit/mine during the year	No proposal	NA	
3o	Total area put in use under different heads at the end of year	16.61 Ha	Approx. 16 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20- 30000 T 2020-21- 200000 T 2021-22- 200000 T 2022-23 -350000 T 2023-24- 426816 T	2019-20- 16135 T 2020-21- 192343 T 2021-22- 198000 T 2022-23 -348450 T 2023-24- 320800 T	
3q	General remarks of inspecting officer on method of mining etc.	Mechanized opencast method of mining with HEMM & without drilling & blasting proposed & achieved.		

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 proposal	NA	The chalk is recovered separately by levigation method, simultaneously Chalk as associated mineral.
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	
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	There is no proposal of overburden, topsoil and waste dump in the lease area.		

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	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	There is no proposal in the approved mining plan.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on	Proposed to submit	Submitted on 28-	

	time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	with in time	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	Nil	Nil	
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) No. of saplings planted during the year iii) Area rehabilitated (ha) iv) Method of rehabilitation	i) 0.6322 Ha ii) 630 Nos Plants iii) 2.1352 Ha	i) 0.50 Ha ii) 630 Nos Plants iii) 2.0 Ha	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6p	General remarks of inspecting officer on PMCP compliance & progressive	The PMCP returns are submitted on time as per the provision of Rule 26 of MCDR 2017 on 28.06.2024.		

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	Grade wise sorting within the lease area	Grade wise sorting within the lease area	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	-
7c	Different grade of mineral sorted out at mines	Chemical- CaO-49.86%, SiO2-6.48%, Al2O3-1.74%, Cement- CaO-44.73%, SiO2-9.88%, Al2O3-0.60%,	Chemical- CaO-49.86%, SiO2-6.48%, Al2O3-1.74%, Cement- CaO-44.73%, SiO2-9.88%, Al2O3-0.60%,	-
7d	Any beneficiation process at mines	No Proposal	Size & Sorting	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The entire mineral of chalk & limestone is properly utilizing by levigation method of chalk, size & sorting, separation etc. as per buyer specification.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	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	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No base line data existed.	Approx 2130 no of saplings planted (area of 2.0 Ha)	

8g	Survival rate	80%	2130 Plants cumulative till date.
8h	Water sprinkling on roads to control airborne dust	Proposed	Water Sprinkling done on haul road.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is good in and around mines area.	

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a.	Status of submission of Monthly and Annual returns	All the monthly returns for the year 2023-24 submitted. Annual return was submitted for the year 2023-24 on 28-06-2024	

S.N	Item	Details Given in Annual return	Observation of I/c Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details provided in Annual Return	Mining Engineer: Mr. Kalpesh Padariya, Geologist: Smt. Charuben Solanki	Annual Returns for the year 2023-24 were submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	i) Covered under current (O-C) Workings- 13.690 Ha. ii) Occupied by plant, buildings, residential, welfare buildings and roads- 0.530 Ha. iii) MINERALS STOCK/EFFLUENT TREATMENT PLANT- 2.390 Ha. Total: 16.61 Ha.	Mining- 13.69 Ha. Roads- 0.530 Ha. MINERALS STOCK/EFFLUENT TREATMENT PLANT- 2.390 Ha	All the monthly returns from April 2023 to March 2024 (up to December 2024) submitted.
9d	Scrutiny of Annual return on afforestation	500 nos of sapling within lease area survival rate :80%	Trees- 500 Survival Rate 80%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral reject generation reported	Mineral Reject is not reported in AR.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	320800T production reported	Graded Ore Stock - 320800 Tons Closing stock at mine-head: Chemical Grade ; 166473.215 tons – Cement Grade 152885.310	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price: Chemical Grade-419.91 (₹/Tonne) & Cement Grade- 231 (₹/Tonne)	Ex. Mine price: Chemical Grade-419.91 (₹/Tonne) & Cement Grade- 231 (₹/ Tonne)	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets* (₹ 16566841)	Value of Fixed Assets* (₹ 16566841)	
9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.9CUM-02 Nos, DUMPER- 17Tonne- 03 Nos FRONT END LOADER- 0.9CUM-01 Nos & WATER TANKER-40000 Lit.- 01Nos1.25 cu.m capacity	BACK HOE 0.9CUM-02 Nos, DUMPER- 17Tonne- 03 Nos FRONT END LOADER- 0.9CUM-01 Nos & WATER TANKER- 40000 Lit.-01Nos1.25 cu.m capacity	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - As per office record presently no violations are pending. The MCDR/SDF inspection of above mentioned mine was done on 28-09-2024. Presently no significant violation observed & pointed out.

- The Drone data has been examined and returned to the party as it has not been submitted as per SOP.

स्नेहलकुमार पटेल
सहायक खनन अभियंता
भारतीय खान ब्यूरो
