

## MCDR INSPECTION REPORT (FMCP)

## 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Adityana Limestone & Chalk Mine
1(b)	Name of Inspecting officer	Naman Ekka
1(c)	Date of Inspection & Type	04/08/2023 ; FMCP
1(d)	Accompanying officer	Sh. C.M Dewivedi, QP
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 17.8063 Ha, Non-Forest land:
3	Mine code	<b>38GUJ456001</b> / 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, Porbandar,Gujarat-360575, 0286-2242949, 2241124 <a href="mailto:pdattanipbr@yahoo.co.in">pdattanipbr@yahoo.co.in</a> , <a href="mailto:pdattanipbr@yahoo.com">pdattanipbr@yahoo.com</a> ,
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	MCR/1563/7384/CHH dated 27.04.1965
15	Date of Execution	Execution of lease deed i.e. 16.08.1965 for mineral chalk for 20 year. The renewal period is effective from 7.07.2007 for 20 year for insertion of second mineral limestone.
16	Date of opening of Mine	1965
17	Date of first Renewal, if app.	10.04.1985
18	Date of second Renewal, if applicable and its period & expiry	19-03-2007, effective from 7.07.2007 for 20 year for insertion of second mineral limestone. Expiry of lease – 14/06/2025
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Renewal Grant order Issued on 19/03/2007 w.e.f. 15/06/2005 for a period of 20 Years. Renewal Deed Executed on 07 July 2007.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Yogi Vinod kumar Dattani & other partners are as below. (1) Sh. Vinod kumar Kanji Dattani, (2) Sh. Praful kumar Kanji Dattani,(3) Shri Mehul kumar Vrajlal Dattani (4) Shri Viraj Vinodkumar Dattani(5) Shri Harshit Praful kumar Dattani
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Yogi Vinod kumar Dattani, 0286-2242949, 2241124, <a href="mailto:pdattanipbr@yahoo.co.in">pdattanipbr@yahoo.co.in</a> , <a href="mailto:pdattanipbr@yahoo.com">pdattanipbr@yahoo.com</a> ,
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shaileshkumar Vithalbhai Dave, BE (Mining), D.O.A. – 06/08/2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shaileshkumar Vithalbhai Dave, BE (Mining), D.O.A. – 06/08/2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule & carrying out their duties as per rules.	Yes.

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25	Date of Approval of Mining Plan/Modified Mining Plan with five- year period and specific condition in approval letter, if any.	Date of Approval of mining Plan: (i) 682(23)(197)/2001-MCCM(N)/UDP, Dated-25.07.2002 for 2002-03 to 2006-07 & further insertion of limestone mineral. (ii) CGM/MC/321/4389, Dated- 28.01.2013 for period 2012-13 to 2016-17.
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1. Review of MP approved vide letter no 684(4)/(1)/MP/59 / 2017 / MDRD/GNR Dated-18.9.2017 for 2017-18 to 2019-20. 2. Review of MP approved vide letter no MCDR-MPCP0CaFl/4/2022-GNR-IBM_RO_GNR Dated 21/02/2023 for the year 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 Mechanized, Others or Manual)	A
30	Captive/Non Captive	Non-captive

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

SN	Item	Proposals 2022-23	Actual work	Remarks
1a	Backlog of previous year	To Drill 14 BH	14 BH drilled and 10 Trials pits have been done.	
1b	Exploration over lease area for Geological axis 1 or 2.	Proposal for G1 in 2021-22	Entire lease area has been explored in G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	As reported exploration has been done by lessee itself.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	Entire lease area has been explored in G1	
1e	Balance reserves as on 01.04.2023	Reserves - 932,062.00 Tons Remaining Resources - 2,084,464.00 Tons		
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 2022-23	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit no 1 & 4	Partly done.	Lagging in production.
2b	Separate benches in topsoil, overburden and mineral	Proposed	Separate Benches of Top Soil, Chalk and Limestone Maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.50 & 1:0.34	1:0.0	
2d	Quantity of topsoil generation in m3	Topsoil - 900 m <sup>3</sup>	About 400 m <sup>3</sup>	
2e	Quantity of overburden generation in m3	Chalk - 3750 m <sup>3</sup>	About – 3500 m <sup>3</sup>	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are about 12 number of mine pits are existed & exposed the chalk & limestone minerals.		

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**3.0 Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	05 Pits	05 Pits; Pit 1, 2,3,4,5.	
3b	Quantity of ROM mineral production proposed	3,50,000 Tons	3,48,450 Tons	
3c	Recovery of salable/usable mineral from ROM production	Not proposed	NA	As reported during Inspection.
3d	Quantity of mineral reject generation	26816 Tons (Chalk)	Nearly 26000 Tons (Chalk)	
3e	Grade of mineral reject generation and threshold value declared	No proposal	No Mineral Reject Generated	
3f	Quantity of sub-grade mineral generation	No proposal	No proposal	
3g	Grade of sub-grade mineral generation	No proposal	No proposal	
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	No work carried out	
3j	Provision of drilling & blasting in mineral benches	No proposal	No work carried out	
3k	Provision of mining machineries in mineral benches	Yes	Mechanized Mining	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	01 Benches in OB	--
3m	Total area covered under excavation/pits	12.120 Ha.	12.120 Ha.	-
3n	Ore to OB ratio for the pit/mine during the year	Not proposed	NIL	-
3o	Total area put in use under different heads at the end of year	Not proposed	Total Nearly 14.00 ha.	
3p	Production of ROM mineral during last five-year period, as applicable	<b>2018-19</b> -5085 (chalk) ; 30000T(Lst) <b>2019-20</b> -5193(chalk) ; 30000T(Lst) <b>2020-21</b> - 6000 (Chalk) ; 200000 (Lst.) <b>2021-22</b> - 6000 (Chalk) ; 200000 (Lst.) <b>2022-23</b> – 26816 (Chalk) ; 3500000 (Lst)	<b>2018-19</b> -3850(chalk); 30052T(Lst) <b>2019-20</b> -2880(chalk); 16135T(Lst) <b>2020-21</b> - 7425 (Chalk) ; 192343(Lst.) <b>2021-22</b> - 6000 (Chalk) ; 198000(Lst.) <b>2022-23</b> – 26000 (Chalk) ; 348450 (Lst)	
3q	General remarks of inspecting officer on method of mining etc.	Mechanized opencast method of mining with HEMM & without drilling & blasting proposed & achieved.		

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**4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Proposed for removing separately.	Stacked separately & utilizing.	The chalk is recovered separately by levigation method, simultaneously Chalk as associated mineral
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)			
4e	Number of active & alive dumps	-do-	The settling pond is used for levigation of chalk minerals with max possible recovery.	.
4f	Number of dead dumps			
4g	Number of dumps stabilized			
4h	Whether Retaining wall or garland drain all along dumps are there			
4i	Length of Retaining wall or garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer			

**5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NIL	The mineral is fully extracted even after levigation process.
5b	Area under backfilling of mined out area		NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area		NIL	
5d	Total area fully reclaimed & rehabilitated		NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The intercalated unused material is again backfilled in the lease area for further recovery of chalk. Part of area reclaim but not declared as fully reclaimed.		

**6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed to submit with in time	Submitted with Annual Return	
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) 0.60 Ha. ii) 0.50 Ha iii) 500 No. iv) No proposal v) Nil vi) 50000	i) 0.603 Ha. ii) 0.50 Ha iii) 500 No. iv) 1800 No. v) Nil vi) Not mentioned.	

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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	No proposal	As reported No work carried out	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal	As reported No work carried out	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Third party monitoring is being done.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Compliance has been done nearly as proposed.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work	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	Sorting & sizing as per buyers specification.
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	Chemical, Cement	
7d	Any beneficiation process at mines	No proposal	As reported No work carried out	
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 (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed for removing separately.	Done as proposed	
8b	Concurrent use or storage of topsoil	-do-	Top soil is used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines	-do-	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	As reported No work carried out	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	As reported No work carried out	
8f	Baseline information on existence of plantation & additional plantation done.	No base line data existed.	Additional as reported till date 1800-2000 plantation has been done	
8g	Survival rate	80%	1800 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.	Mines is surrounded by other leases of Chalk and limestone where mining has been carried out. Little vegetation can be seed due to agriculture being practiced in nearby villages.		

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**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 A.R. submitted up to till date-2022-23		
S.N	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name not mentioned in AR	Shaileshkumar Vithalbhai Dave, BE (Mining), Geologist on leave as reported during Inspection.	45(5) Read with 45(7)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1. Covered under current (O-C) Workings – 12.120 Ha. 2. Minerals Storage – 0.510 ha. 3. Work done under progressive mine closure plan during the year – 1.150 Ha.	1. Covered under current (O-C) Workings – 12.120 Ha. 2. Minerals Storage – 0.510 ha. 3. Work done under progressive mine closure plan during the year – 1.150 Ha.	
9d	Scrutiny of Annual return on afforestation	Trees- 500 Survival Rate 80%	Trees- 500 Survival Rate 80%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject is Chalk	Mineral Reject is Chalk and is not reported in AR.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded Ore Stock - 58515.035 Tons Chemical Grade ; 52853.140 tons – Cement Grade	Graded Ore Stock - 58515.035 Tons Chemical Grade ; 52853.140 tons – Cement Grade	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Chemical Grade – Rs. 466.63 / Tons; Cement Grade – Rs. 280.00 / tons	Chemical Grade – Rs. 466.63 / Tons; Cement Grade – Rs. 280.00 / tons	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets – Rs. 5168241/-	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: - Presently mine was inspected for MCDR inspection & Violation under provision of Rule 45(5) Read with 45(7) Pointed out for rectification.