

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	
1	Name of the Mine	Kovaya Limestone Mines, (Sy. No.various)
2A	Inspecting officer with date, Type	G.Ram, DCOM, 13/11/2022 , Star Rating
2B	Accompanying official	Sh.Vivek Upanchivar & Rajesh Thakre, MM
3	Total Lease Area (Ha) Non-forest and forest land	Total area-953.3253 Ha, Non-Forest land
4	Mine code, IBM Reg. under rule 45 of MCDR,17	38GUJ02009 & IBM/441/2011
5	Name of the lessee, Address, phone, email and fax number	M/s UltraTech Cement Limited, Unit: Gujarat Cement Works Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541
6	Village	Kovaya
7	Taluka/Mandal	Rajula
8	District	Amreli
9	Pin code	365541
10	State	Gujarat
11	Post office	Kovaya
12	Nearest police station	Marine Police Station, Pipava
13	Nearest Railway station	Rajula Jn.
14	Date of Grant of Mining Lease	07.06.1995
15	Date of Execution	01.03.1996 (Valid up to 28.02.2046 i.e. 50 years)
16	Date of opening of Mine	01.03.1996
17	Date of first Renewal, if and its period & expiry	MCR-102016 –ML–20.CHH.1, dated12/04/2016,Expiry 28.02.2046.
18	Date of second Renewal, period & expiry	Not applicable
19	Date of submission of renewal application if any	Not applicable
20	Name of the Nominated Owner with Address, phone, email and date of appointment	Nominated Owner – Mr. K. C. Jhanwar, Ahura Centre, A-Wing, 1 <sup>st</sup> Floor, Mahakali Caves Road, Andheri (E), Mumbai. Pin- 400093 Telephone - 022-66917421Email- <a href="mailto:ajit.ostwal@adityabirla.com">ajit.ostwal@adityabirla.com</a> , WEF – 19.10.2018
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Mr. Vivek Uplanchiwar, M/s UltraTech Cement Limited, Unit: Gujarat Cement Works, Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541, Mobile – +91 9904301901 Email- <a href="mailto:vivek.uplanchiwar@adityabirla.com">vivek.uplanchiwar@adityabirla.com</a> , WEF-26.02.2019
22	Name of the Mines Manager with Address, phone, email, date of appointment in mines	Mr. Rajesh Thakare, Email- <a href="mailto:rajesh.thakare@adityabirla.com">rajesh.thakare@adityabirla.com</a> Date of Appointment – 05.07.2021
23	Name of the ME, Qua. & Exp., Address, phone , email, fax, date of appointment	Mr. Salindekar Dinesh Tukaram, Diploma Mining, Exp.: 6 years Email- <a href="mailto:dinesh.salindekar@adityabirla.com">dinesh.salindekar@adityabirla.com</a> , WEF 21.09.2022
24	Whether Geologist & ME appointed in mines satisfy the rule 55	Yes Appointed. Mr. Shiv Kumar Gupta. , M.Tech Geology WEF 06.12.2022 & Mr. Salindekar Dinesh Tukaram,
25	Date of Approval of MP//MMP with five-year period and specific condition, if any.	Mining Plan approved vide No. 684(4)(1)/MP-310/2020-21-GNR, dated 12/01/2021 Period from 2021-22 to 2025-2026
26	Date of Approval of RMP with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide No. 684(4)(1)/MP-310/2020-21-GNR, dated 12/01/2021 Period from 2021-22 to 2025-2026
27	Mineral(s) granted in lease	Limestone & Marl
28	Method of Mining (O/C, U/G)	Opencast Mining
29	Category (FM, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive Use

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

#### 1.0 Exploration

SN	Item	Proposals 2021-22	Actual work	Remarks
1a	Backlog of previous year	Not proposal	Not done	NIL
1b	Exploration over lease area for Geological axis 1 or 2.	---	All 37 Borehole done as per 5 years planning, Exp-14.10Lakh	M/s Vinayak Engimech Pvt.Ltd., Ahmedabad.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Lessee itself		NA
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NIL	NIL
1e	Balance reserves as on 01.4.2022	Reserves-111–128.44,121&122 –6.37, Resources-211–47.36, 221–19.43,333–50.27		
1f	General remarks of inspecting officer	Entire lease area is developed by various pits & explored in past by drilling in G1/G2 level.		

## 2.0 Development

SN	Item	Proposals 2021-22	Actual work	Remarks
2a	Location of development w.r.t. lease area	<b>SM Pits</b> Bench 2 Pit 1, SM Pit R,N,M,T,S,S2,BHK <b>Pit 2 (Conv)</b> -Bench 3,4,5,5S,6,7 <b>Pit 1 (Conv)</b> -Pit J, Bench 4	<b>SM Pits</b> Bench 2 Pit 1, SM Pit M,T, S, S2, <b>Pit 2 (Conv)</b> -Bench 3,4&5, 5S, 6, 7, <b>Pit 1 (Conv)</b> -Pit J, Bench 4	Legging in ROM due to taukae cyclone
2b	Separate benches in topsoil, OB and mineral	Not Proposed	Maintained separately	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.00	
2d	Quantity of topsoil generation in m <sup>3</sup>	45739 M <sup>3</sup> : SM Pit-S2	49505 M <sup>3</sup> : SM Pit-S2	
2e	Quantity of overburden generation in m <sup>3</sup>	NIL	0T	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area developed by mining pits, Limestone is used for captive soda ash & cement plant.		

## 3.0 Exploitation

SN	Item	Proposals 2021-22	Actual work	Remarks
3a	Number of pits proposed for production	10 pits proposed, SM Pits-1,Block – R,N,M,T,S,S2 ,BHK & Conventional Pit 2	7 pits utilised, SM Pits-1,Block – ,M,T,S,S2 & Conventional Pit 2	Legging in ROM, taukae cyclone
3b	Quantity of ROM production proposed	Limestone: 4.673,2198122 Marl: 0.572,242422 <b>Total: 5.245 Million tonnes</b>	Limestone: 2.845 Marl: 0.316 <b>Total: 3.161 Million tonnes</b>	
3c	Recovery of saleable/usable mineral from ROM	100%	100%	
3d	Quantity of mineral reject generation	67,870T proposed	0T	
3e	Grade of mineral reject generation and THV	THV-Cao-34%(Min) & Mgo-5% (Max)		
3f	Quantity of sub-grade mineral generation	Not proposed	NIL	
3g	Grade of sub-grade mineral generation	Not Proposed	NIL	
3h	Manual / Mechanised method adopted	Manual / mech.	Both	
3i	Any analysis or beneficiation study proposed	Not Proposed	Not done	-
3j	Provision of drilling & blasting in benches	Drilling and blasting proposed in Pit-1& Pit-2.	Drilling and blasting done in in Pit-1 & Pit-2.	-
3k	Provision of mining machineries in benches	Surface Miner, Excavator , Dumper, Drill, Dozer	As per Proposal, Surface Miner, Excavator, Dumper, Drill and Dozer	
3l	Whether height of benches suitable	4 to 8 mtr	4 to 8 mtr	
3m	Total area covered under excavation/pits	88.6573 Ha. is proposed during the year as per	67.4268 Ha is utilised in the year	
3n	Ore to OB ratio for the pit/mine during yr	1:0.0	1:0.0	
3o	Total area put in use under different heads	<b>Covered under current (O/C) Workings</b> – 88.6573 Ha. for 21-22 (Cumulative till 20-21 586.5305 Ha.) <b>Reclaimed/Rehabilitated</b> - 0 Ha. for 21-22 (Cumulative till 20-21 31.080 Ha.) <b>Used for waste disposal:</b> - 0 Ha. for 21-22 (Cumulative till 20-21 0.640 Ha.) <b>Occupied by plant, buildings, residential, welfare buildings &amp; roads</b> :-0 Ha. for 21-22 (Cumulative till 20-21 8.010 Ha.) <b>Other Purpose (Greenbelt development):</b> - 1.5 Ha. for 21-22 (Cumulative till 20-21 22.73 Ha.)	<b>Covered under current (O/C) Workings</b> – 67.4268 Ha. for 21-22 (Cumulative till 21-22 565.320 Ha.) <b>Reclaimed/Rehabilitated</b> - 0 Ha. for 21-22 (Cumulative till 21-22 31.080 Ha.) <b>Used for waste disposal:</b> - 0 Ha. for 21-22 (Cumulative till 21-22 0.640 Ha.) <b>Occupied by plant, buildings, residential, welfare buildings &amp; roads</b> :- 0 Ha. for 21-22 (Cumulative till 21-22 8.010 Ha.) <b>Other Purpose (Greenbelt development):</b> - 2.5 Ha. for 21-22 (Cumulative till 21-22 25.230 Ha.)	

3p	Production of ROM mineral during last five-year period, as applicable (2022-23 till Oct'22)	2018-19-7850777tonne 2019-20-7850534tonne 2020-21-7850097tonne 2021-22-5245022tonne 2022-23-5201000 tonne	2018-19-4767393 tonne 2019-20-4292828 tonne 2020-21-3791685 tonne 2021-22-3161116 tonne 2022-23- 2440574 tonne (Oct 22)	Deviated due to lagging in ROM production in past.
3q	General remarks of IO on method of mining etc.	Mech.O/C method with using HEMM & tipper combination		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals 2021-22	Actual work	Remarks
4a	Separate dumping of topsoil, OB/Mineral reject	for plantation purposes	not reported /generated	No OB/Waste proposed & generated.
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	NIL	
4c	Number of dumps within lease area and outside	None	None	
4d	Location of dumps w.r.t. ultimate pit limit	Not applicable	Not applicable	
4e	Number of active & alive dumps	No proposal	Not applicable	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Not applicable	NIL	
4h	Whether Retaining wall or garland drain there	NIL	NIL	
4i	Length of Retaining wall or garland drain	Not applicable	NIL	
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer	No OB/waste is generated presently. Topsoil is used for plantation.		

#### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals 2021-22	Actual work	Remarks
5a	Status on part or full extraction of mineral	Not proposed	NIL	
5b	Area under backfilling of mined out area	--	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Nil	---	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out.		

#### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals 2021-22	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26 (2).	Proposed	Submitted on 24.6.2022	
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	-- 1.5 hect,S2Block 3000 -- Rs. 50,800	-- 2.5Hect.S,T 5107 Nos. 6695 Nos Rs. 229324	
6c	Compliance on reclamation and rehabilitation bybackfilling i) Voids available for backfilling (L X B X D) ii) Voidfilled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other etc.	Not Proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not proposed	Not done	
6e	Compliance of Environmental monitoring		done	
6f	General remarks of IO on PMCP compliance & progressive	PMCP report is submitted with in stipulated time.		

#### 7.0 Mineral Conservation

SN	Item	Proposals 2021-22	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting	Limestone: 4.673 Marl: 0.572 <b>Total: 5.245 Million tonnes</b>	Limestone: 2.845 Marl: 0.316 <b>Total: 3.161 Million tonnes</b>	
7b	Method of grade-wise sorting i.e. manual or mech.	Manual & Mech.	Manual & Mec.	
7c	Different grade of mineral sorted out at mines	sorting & sizing	Yes	
7d	Any beneficiation process at mine	Not required	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee is utilizing entire ROM by proper stacking, sorting & sizing as per plant requirement.		

### 8.0 Environment

SN	Item	Proposals 2021-22	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Topsoil-45739 M <sup>3</sup>	49505M3	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for OB, waste rock, rejects, fines	NA	NA	
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation & rehabilitation of lands affected by mining operations	No proposal	Nil	
8f	Baseline information on existence of plantation	No proposal	Utilising for plantation	
8g	Survival rate	--	About 70%	
8h	Water sprinkling on roads to control airborne dust	proposed	Regular doing.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mines area is mining pits & natural grown shrubs & bushes observed.		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. & A.R. submitted with in time for the year 2021-22 (24/06/2022)		
S.N	Item	Details GIVEN in A.R.	Observation of I/O	Remarks
9b	Scrutiny of AR for information on ME, Geologist & Manager	Deails as per given in AR	Sh.Dinesh Tukaram Salinekar, Diploma &II Class, Shivkumar Gupta	NIL
9c	Scrutiny of AR on land use pattern for area under pits, reclaimed , dumps etc.		O/c- 565.32 ha, Afforestation -31.8 ha Inf.-8.0ha, green belt-25.2	
9d	Scrutiny of Annual return -afforestation		No of trees: 5107, survival-69.8%	
9e	Scrutiny of AR on mineral reject generation		There is no mineral rejects generaed	
9f	Scrutiny of AR on ROM stock,graded ore		As per given in AR	
9g	Scrutiny of AR on sale value, Ex. Mine price & production cost		As per given in AR	
9i	Scrutiny of Annual return on fixed assets		As per given in AR	
9k	Scrutiny of Annual return on mining machineries		Excavator, loader Tipper,water tanker, Air compressor	

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-**  
Presently mine was inspected for MCDR/Star Rating & Online star rating evaluation done (5Star). Presently no significant violation observed & pointed out.