

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Kovaya Limestone Mines
1(b)	Name of Inspecting Officer	Sunil Kumar Sharma, Sr. ACOM
1(c)	Type of Inspection	Modification of Mining Plan
1(d)	Date of Inspection	13.06.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	953.3253 Ha. (No forest land falls within Lease area)
3	Mine code	38GUJ02009
4	IBM Registration Number under rule 45 of MCDR, 1988	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 applicable and its period & expiry	As per MMDR Amendment Act-2015, lease period extended for 50 years vide Order No. MCR-102016 –ML–20.CHH.1, dated 12/04/2016 by Govt. of Gujarat. Lease expires on 28.02.2046.
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	Not applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nominated Owner – Mr. K. C. Jhanwar, Ahura Centre, A-Wing, 1 st Floor, Mahakali Caves Road, Andheri (E), Mumbai. Pin- 400093 Telephone - 022-66917421 Email- ajit.ostwal@adityabirla.com Date of Appointment – 19.10.2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Dinkar Dashora, M/s UltraTech Cement Limited, Unit: Gujarat Cement Works, Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541 Mobile – +91 9904301901 Email- dinkar.dashora@adityabirla.com Date of Appointment – 17.02.2023
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Rajesh Thakare, M/s UltraTech Cement Limited Unit: Gujarat Cement Works Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541 Mobile – +91 9887048180 Email- rajesh.thakare@adityabirla.com

I/37117/2024

		Date of Appointment – 05.07.2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Puspendra Singh Rao Mining Engineer, Exp.: 6 years M/s UltraTech Cement Limited Unit: Gujarat Cement Works Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541 Mobile – +91 6357103578 Email- Pushpendra.rao@adityabirla.com Date of Appointment – 10.03.2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Appointed. Mr. Shiv Kumar Gupta. , M.Tech Geology appointed as a Geologist on 08.12.2022 Mr. Puspendra Singh Rao, appointed as a Mining engineer on 10.03.2023.
25	Date of Approval of Mining Plan/Modified Mining Plan 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 2023-24 to 2025-2026) Modification of mining plan , File No. CDR-MPCP0CaFl/2024/2023-GNR-IBM_RO_GNR MP-490 Period 2023-24 to 2025-26
26	Date of Approval of Scheme of Mining/ Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not applicable
27	Mineral(s) granted in lease and proved for mining	Limestone & Marl
28	Method of Mining (Opencast, Underground)	Opencast mining
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Nil	G1 Level Exploration has been completed within Mining Lease area and 98 Hectare area is under falling of CRZ.
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration proposed in the year 2023-24	All 37 Borehole done as per 5 years planning	As per company requirement all Proposed borehole Done as per Mining Plan.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploration proposed in the year 2023-24	All 37 Borehole done as per 5 years planning	Exploration completed in the year 2021-22 as per the proposal of mining Plan through M/s Vinayak Engimech Pvt.Ltd., Ahmedabad. Expenditure was Rs. 14.10 lakhs.
1d	Balance area to be explored to bring Geological axis in 1 or 2. As per MP	As per Mining plan as on 01.04.2016 G1 – 698.56 Ha. G2 – 60.24 Ha. G3 – 194.525 Ha.	Exploration Status as on 01.04.2024 G1- 855.325Ha. G3 –98.0 Ha.	98 ha area is falling under CRZ.
1e	Balance reserves as on 01.04.2024	Limestone:-		-

1/37117/2024

	(million tonnes).	UNFC Code	Reserves/ Resources
		111	131,526,460
		211	66,650,814
		221	45,242,280
		333	20,591,373
		Total (Limestone) 264,010,927	
		Marl:-	
		111	17,980,096
		211	10,644,674
		221	6,585,120
Total (Marl)		35,209,890	
1f	General remarks of inspecting officer on geology, exploration etc.	G1 Level Exploration has been completed within Mining Lease area and 98 Hectare area is under falling of CRZ.	

2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	<ul style="list-style-type: none"> Pit-01 S block S2 block M block R block Pit-02 T block N block 	<ul style="list-style-type: none"> Pit-01 T block, S block, S2 block Pit -02 M block R block 	7 pits are utilised for production among proposed 8pits
2b	Separate benches in topsoil, overburden, and mineral (Rule 15)	Separate benches to be maintained in topsoil and mineral.	No overburden available in the lease. Separate benches is maintained in the mineral and topsoil	-
2c	Stripping ratio or ore to OB ratio MT. As per the MP no OB generation during 2023-24.	0	0	No overburden
2d	Quantity of topsoil generation in m ³	30026m ³	28548 m ³ Location: S block & M block	28548 m ³ top soil generated which utilised for green belt development.
2e	Quantity of overburden generation in m3	No overburden removal proposed in mining plan	No overburden extracted	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No overburden available in the lease. Separate benches is maintained in the mineral and topsoil. 28548 m ³ Top soil is generated from S block & M block.		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	08 pits are proposed for production Pits-1, Block N,M,T,S,S2,R & Pit 2	7 pits are utilised for production Pits-1,BlockM,T,S,S2, R & Pit 2	-.
3b	Quantity of ROM mineral production proposed	FY 22-23: Limestone: 4.66 Marl: 0.67 Total: 5.33 Million tonnes	FY 23-24: Limestone:4.42 million Tonnes Marl: 0.49 Total: 4.93 Million tonnes	-

1/37117/2024

3c	Recovery of saleable/usable mineral from ROM production	100 % utilisation of ROM	100% ROM is utilised	Zero mineral waste mining is carried out
3d	Quantity of mineral reject generation	No rejection is given	No rejection	Zero mineral waste mining is carried out without any rejection.
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	Zero mineral waste mining is carried out without any rejection.
3f	Quantity of sub-grade mineral generation	Not applicable	Not applicable	Zero mineral waste mining is carried out without any rejection.
3g	Grade of sub-grade mineral generation	Not applicable	Not applicable	Zero mineral waste mining is carried out without any rejection.
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	Zero mineral waste mining is carried out without any rejection.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	-	Zero mineral waste mining is carried out without any rejection.
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting proposed in Pit-1 & Pit-2. Remaining blocks operated by surface miner.	Drilling and blasting is carried out only in Pit-1 & Pit-2. Remaining blocks operated through Surface miners	Both conventional & non-conventional method adopted with Conv – 16.79 LMT Non- Conv – 32.57 LMT
3k	Provision of mining machineries in mineral benches	Surface Miner, Excavator, Dumper, Drill, Dozer is proposed	Surface Miner, Excavator, Dumper, Drill and Dozer is used	, Surface Miner, Excavator, Dumper, Drill and Dozer is used
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches in minerals are proposed 4 to 8 mtr	As per Proposal Mineral benches are maintained 4 to 8 mtr	No bench in overburden.
3m	Total area covered under excavation/pits. Annexure. Attached.	131.51 Ha. is proposed during the year as per MP(2023-24)	118.69 Ha is utilised in the year	-
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	-
3o	Total area put in use under different heads at the end of year.	Area under mining: 608.88 Ha Top soil stacking: 1.56 Ha Mineral storage: 3.0 Ha Infrastructure: 10.90 Ha	Area put to use as on 01.04.2024 Pit-564.79 ha Top Soil 0.63 ha. Occupied by plant, buildings& roads :- 8.010 Ha.) Green Belt: 23.6 Ha.)	-
3p	Production of ROM mineral during last five-year period, as applicable	Proposal given in Mining Plan (Tonne) 2019-20 – 7850534 2020-21 – 7850097 2021-22 -5245022	Actual production (tonne) 2019-20 – 4292828 2020-21 - 3791685 2021-22- 3161116	-

I/37117/2024

		2022-23 -5201356 2023-24- 5338688	2022-23- 4595196 2023-24- 4936184	
3q	General remarks of inspecting officer on method of mining etc.	Limestone consumption from Captive Mines is reduced to 70% due to use of sweetener. Mines supplying the material of 78 LSF and plant need 100 LSF. Difference of quality is fulfilled by imported sweetener. Due to this production from mines is reduced.		

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)	Topsoil at 7.5 meter Green belt development - Location : S2 Block	Topsoil at 7.5 meter Green belt development Location : S2 Block and T Block	-
4b	Location of topsoil, OB & mineral reject dumps	No OB or reject dumps are proposed.	No OB or reject dumps are available in mines.	-
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	-
4e	Number of active & alive dumps	No proposal	Nil	-
4f	Number of dead dumps	No proposal	Nil	-
4g	Number of dumps stabilised	No proposal	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	-
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	-
4j	Number of settling ponds	No proposal	Nil	-
4k	Specific comments of inspecting officer	There were no overburden and mineral rejects generated during year 2023-24. There was no proposal of overburden and mineral rejects in the approved mining plan.		

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	No proposal	Nil	-
5b	Area under backfilling of mined out area	No proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Nil	-
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are no overburden and waste generated during year 2023-24. Hence, no backfilling was carried out. There was no proposal of backfilling 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	-	Submitted along with	-

1/37117/2024

	PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.		Annual Return 2023-24	
6b	Management of worked/ mined out benches i) Area available for rehabilitation (ha)	Nil	Nil	-
6c	Afforestation done (ha)	Proposed 1.50 Ha. Location: S2	Plantation carried out in 0.85 Ha.	
6d	No. of saplings planted during the year	Proposed 3000 saplings Location: S2 Block	6000 saplings are planted during the year 2023-24, Location : S2, S, T Block and near crusher-1	Cassia Seamea species planted.
6e	Cumulative no. of plants	-	134466 No.	-
6f	Any other specific method of rehabilitation	No proposal given	No other method adopted	
6g	Cost incurred on watch & care during the year	No proposal for the year 2023-24	Rs. 30.03 lakhs is spent for plantation and after care expenses during the year 2023-24.	-
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	Nil – No backfilling proposed during the year	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings	Nil – No backfilling proposed during the year	Nil	--
6j	Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the backfilled area	No proposal	Nil	Greenbelt development along lease boundary.
6k	Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir	No proposal	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling v) Any other specific means	No Proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No proposal	Afforestation is carried out in 7.5m barrier zone.	No waste land available in the ML.
6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	No proposal	Nil	No waste land available in the ML.
6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	No proposal	Nil	No waste land available in the ML.
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring of Ambient air quality, water quality, noise level survey and ground vibration is given	Environment monitoring carried out by external Govt authorised agency,	All the monitoring values are within the

I/37117/2024

		in mining plan	1) Fortnightly air monitoring 2) Monthly surface water sampling 3) Quarterly ground water monitoring 4) Quarterly noise levels 5) Each and every blast vibration recording is carried out by own seismograph equipment.	prescribed limits
6q	General remarks of inspecting officer on PMCP compliance & progressive	6000 saplings are planted during the year 2023-24, Location : S2, S, T Block and near crusher-1. Cassia Seamea species planted.		

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	FY 23-24: Limestone: 4.66 million tonne Marl: 0.67 million tonne Total: 5.33 Million tonnes	FY 23-24: Limestone: 4.42 million tonne Marl: 0.49 million tonne Total: 4.93 million tonne	Kovaya Limestone mine is captive mine and production as per plat requirement.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No sorting is proposed in mining plan	100% mineral extracted by mechanised method which is crushed directly and transferred to cement plant.	-
7c	Different grade of mineral sorted out at mines	No sorting is proposed in mining pan	100% mineral extracted by mechanised method is crushed directly and transferred to cement plant.	-
7d	Any beneficiation process at mines	No beneficiation is proposed in the mining plan	No beneficiation is carried out	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Suitable blending is carried out by mixing high grade material of top benches with low grade material of bottom benches to conserve the mineral and utilise 100% without rejection. Also, to meet the quality of plant requirement, high grade domestic sweetener and imported sweetener limestone is purchased.		

8.0 Environment

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	In mining plan it is proposed that Top soil to be utilised concurrently for plantation.	Top soil is used concurrently for afforestation purpose on lease boundary.	-
8b	Concurrent use or storage of topsoil	No proposal given in mining plan	No top soil stored during the year 2023-24	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	-

I/37117/2024

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed area for plantation 1.50 ha. and 3000 saplings at 7.5m buffer zone.	During the year 2023-24 5480 saplings were planted in 0.85 ha in the lease area and 520 sapling were planted outside the lease boundary.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Cumulative 128579 numbers plants as per mining plan up to August 2023	Cumulative 134466 numbers plants up to 31st March 2024.	-
8g	Survival rate	75%	About 70% survival rate in the year 2023-24	-
8h	Water sprinkling on roads to control airborne dust	Water tankers is proposed for water sprinkling on roads	3 dedicated water tankers with capacity of 10KL is used continuously for dust suppression on haul roads	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Survival rate of plantations is about 75.9 % during the year 2023-24. Rain water harvested at mines sump is utilised. Cumulative 134466 numbers plants up to 31 st March 2024.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return Submitted up to- 09/09/2024 Annual Return submitted up to- July 2024	-
S.N	Item	Comment	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given in annual return, Mr.Puspendra Singh Rao, Mining Engineer, Mr.Shiv Kumar Gupta , Geologist Mr. Rajesh Thakare, Manager	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details of land use pattern is given as on 01.04.2024, Covered under current workings: 564.79 Ha. Plant building, roads: 8.01 Ha. Afforestation: 23.6 Ha.	-
9d	Scrutiny of Annual return on afforestation	During the year 2023-24 5480 saplings were planted in 0.85 ha in the lease area and 520 sapling were planted outside the lease boundary.	-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM - Nil Mineral - Nil	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex mine Price- 219.51 Rs / tonne	Captive use
9i	Scrutiny of Annual	Land- ₹ 865675868	-

I/37117/2024

	return on fixed assets	Building (Industrial) - ₹ 31504142 Plant and Machinery including transport equipment - ₹ 112163363	
9k	Scrutiny of Annual return on mining machineries	Shovel (Hydraulic)- 8 Blast Host Drill -3 Dumper – 5 Surface Miner – 4 Motor Grader- 01 Back Hoe-01 Explosive Van -01 Water Tanker- 3 Tipper- 25 Dozer -02 Loader- 07 Crane- 01 Pump-01	-

10. Details of violations observed during current inspection and compliance position of earlier violation pointed out:-Presently mine was inspected for modification of mining plan; MCDR and Star Rating. There is no significant violation observed & pointed out.

Date: 01/08/2024

(सुनील कुमार शर्मा)
वरिष्ठ सहायक खान नियंत्रक
भारतीय खान ब्यूरो