

## MCDR INSPECTION REPORT

## 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Kharai- Harudi Limestone Mine
1(b)	Name if inspecting officer	Mohammand Nimar, DCoM
1 (c)	Accompanying Mines Representatives	Mr. Amit Raj, Mine Manager and others
1(d)	Type of Inspection	Star Rating & MCDR Inspection
1(e)	Date of Inspection	01-12-2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area : 2831.61 Ha Govt. Waste Land : 2649.39 Ha Private Land : 182.22 Ha Forest area : 0.000 Nil
3	Mine code	38GUJ10009
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/441/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Ltd, Unit: Sewagram Cement Works Village – Vayor, Taluk – Abdasa, Dist – Kutch, Gujarat – 370511 Phone no: +91-2831-279625 E-mail: <a href="mailto:amit.Raj@adityabirla.com">amit.Raj@adityabirla.com</a> Fax no: +91-2831-279279
6	Village	Kharai ,Harudi,Jadva & Vaghpadhar
7	Taluka/Mandal	Lakhpat & Abdasa
8	District	Kutch
9	Pin code	370 511
10	State	Gujarat
11	Post office	Vayor
12	Nearest police station	Vayor
13	Nearest Railway station	Bhuj
14	Lease period	19-10-2008 to 18-10-2058
15	Date of Execution	19-10-2008
16	Date of opening of Mine	02-12-2013
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	Not applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Kailash Chandra Jhanwar Ahura Center, B - Wing 2 <sup>nd</sup> Floor Mahakali Caves Road, Andheri (E), Mumbai Maharashtra- 400093 E-mail: <a href="mailto:ajit.ostwal@adityabirla.com">ajit.ostwal@adityabirla.com</a> Ph:+91 22 6691 7800 Fax:+91 22 6692 8109 23/10/2018

1/28326/2024

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Gaurav Taluja Village: Vayor, Taluka: Abdasa, Dist: Kutch Phone: 02831-279200 Fax : 02831-279279 e-mail : <a href="mailto:gaurav.taluja@adityabirla.com">gaurav.taluja@adityabirla.com</a> 12/02/2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Amit Raj UltraTech Cement Ltd, Unit: Sewagram Cement Works Village – Vayor, Taluk – Abdasa, Dist – Kutch, Gujarat – 370511 Phone no: +91-2831-279625 E-mail: <a href="mailto:amit.raj@adityabirla.com">amit.raj@adityabirla.com</a> Fax no: +91-2831-279279 06/11/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri – D K Maganbhai Village: Vayor, Taluka: Abdasa, Dist: Kutch Bhuj e-mail: <a href="mailto:vsk.rao@adityabirla.com">vsk.rao@adityabirla.com</a> 11-10-2023
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.	Mining plan Approved for 2023-24 to 2027-28 vide letter No. MCDR-MPCP0CaFl/22/2022-GNR-IBM_RO_GNR dated 23-12-2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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)	Fully Mechanized
30	Captive/Non Captive	Captive

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

#### Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year (Current year)	-	-	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	G1 Axis-2468 Ha.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	As reported no work carried out	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not given	G2 Axis-364 Ha.	Exploration planed in 364 Ha. In 2026-

1/28326/2024

				27.
1e	Balance reserves as on 01.04.2023	Not applicable	449.293 mill.T	
1f	General remarks of inspecting officer on geology, exploration etc.	2468 Ha area is explored in G1 Axis. Remaining area 364 Ha is proposed in the year 2026-27.		

## 2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit-KH1,KH2,KH3,KH4 464650 E – 468250 E 2595160 N-2597160 N	As per the proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not proposed	As reported no work carried out	No topsoil / overburden generation
2c	Stripping ratio or ore to OB ratio	Not proposed	As reported no work carried out	-
2d	Quantity of topsoil generation in m3	Not proposed	As reported no work carried out	
2e	Quantity of overburden generation in m3	Not proposed	As reported no work carried out	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	As per the AMP		

## 3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	04	02	Pit-KH3,KH4
3b	Quantity of ROM mineral production proposed (22-23)	5.5 MTPA	1.93 MTPA	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	Captive consumption
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	No proposal	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Not given	NA	Mechanised method
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	-	-
3j	Provision of drilling & blasting in mineral benches	Not applicable	-	-
3k	Provision of mining machineries in mineral	NO Over burden.	NO Over	

1/28326/2024

	benches	Surface miner & Loader combination	burden. Surface miner & Loader combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mining to be carried out by Surface Miner	Mining is carried out by Surface Miner	
3m	Total area covered under excavation/pits	243.31 Ha.	140.926 Ha	
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	Pit – 243.31 Ha. Waste / reject- 0.00 Ha. Others Rd & Infra-10 Ha.	140.926 Ha. 0 4.25 Ha.	Nil
3p	Production of ROM mineral during last three-year period, as applicable	2019-20   5.5 2020-21   5.5 2021-22   5.5	1.814 1.928 1.925	Proposal as per EC : 6.8 MTPA
3q	General remarks of inspecting officer on method of mining etc.	Mining is being done with surface miners, Komatsu make Dozer of 220 HP Loader, Komatsu make Loader of 5.5 cum & 22T dumpers. Less production was done because of market demand as it is a captive mine.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	As reported no work carried out	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	As reported no work carried out	
4c	Number of dumps within lease area and outside lease area	Not proposed	As reported no work carried out	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	As reported no work carried out	
4e	Number of active & alive dumps	Not proposed	As reported no work carried out	
4f	Number of dead dumps	Not proposed	As reported no work carried out	
4g	Number of dumps stabilised	Not proposed	As reported no work carried out	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	As reported no work carried out	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	As reported no work carried out	
4j	Number of settling ponds	No Dump is Proposal & Rain water harvesting in mine pits	No Dump is Proposal & Rain water harvesting in mine pits	
4k	Specific comments of inspecting officer	Negligible quantity of top soil removed and used		

1/28326/2024

		for plantation purpose
--	--	------------------------

## 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling.	No backfilling of the excavated area is envisaged	No pit has reached ultimate pit position	
5b	Area under backfilling of mined out area	Not proposed	As reported no work carried out	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No top soil exist in the lease area	Not applicable	-
5d	Total area fully reclaimed & rehabilitated	NA	NA	All plantation for Afforestation & Area brought under plantation since inception.
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal of solid waste management and no work carried out.		

## 6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	PMCP report to be submitted on or before 01/07/2023	PMCP report submitted along with annual Return on 27/06/2023	
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	Not proposed	As reported no work carried out	
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	Back filling not envisaged	NA	Rain water is stored in mined out pits.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2.5 Ha Afforestation & 4000 Nos. saplings of plantation	3.5 Ha Afforestation & 5588 Nos. saplings plantation	Current year
6e	Compliance of Environmental monitoring (core		Yes	

1/28326/2024

	zone & buffer zone)	-		
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP compliances for the year 2022-23 has been completed as per proposal.		

## 7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	5.5 MTPA	1.934 MTPA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Required	Not required	Whatever mineral is raised is consumed.
7c	Different grade of mineral sorted out at mines	Multi-pit blending	Multi pit blending is done	Blending as per mine sample analysis.
7d	Any beneficiation process at mines	Not required	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Mineral Conservation and Beneficiation issue reported.		

## 8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	No generation	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Mined out pits will be converted into rainwater harvesting structures	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Entire lease hold area is devoid of any vegetation except at certain place Prosopis juliflora No forest in the core zone	Plantation is carried out along road side & safety barrier 7.5 m & Nala side (waste land). Only Local species are being planted.	
8g	Survival rate	-	61%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road loading &	Regular water sprinkling is done. & Automotive	

I/28326/2024

		unloading points shall be provided	water sprinkler installed on Haul road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Plantation with fencing is being done near road and other safety zone		

## 9.0 Compliance of Rule 45

S. N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	All M.R. submitted up to –before 10 <sup>th</sup> day of every month. A.R. submitted upto- 2022-23 (27/06/2023)		
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	Graduate Mining Engineer -03 Diploma Mining Engineer-03 Geologist – 01 Manager -01	Mining Engineer – D K Maganbhai Geologist- Vijesh Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under use – 140.926 Ha Reclaimed area – Nil Dumps - Nil	Area under use – 140.926 Ha	
9d	Scrutiny of Annual return on afforestation	No of trees planted: 5588 with survival rate of 61%	No of trees planted: 5588	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	There is no mineral rejects during the year 2022-23	No mineral rejects generated.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stocking of the mineral, limestone raised during the year has been consumed at captive cement plant.	No stock	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value – Nil Ex.Mine price – 232.77	Sale value – Nil Ex.Mine price – 232.77	
9i	Scrutiny of Annual return on fixed assets	Land: Rs. 0.00 (Addition during the year) Industrial: Rs 1585850(----do-----) Plant & Machinery: Rs. 130947149 (----do-----) Residential: Rs 0	₹282004334	
9k	Scrutiny of Annual return on mining machineries	SURFACE MINER – 2 Wheel Loaders – 3 Duper / Tippers: 14 Water Tanker: 01 Motor Grader-01	SURFACE MINER – 2(950 HP) Wheel Loaders –	

I/28326/2024

			3(5.5 Cum) Dumper / Tippers: 14(22.8 MT) Water Tanker: 01(20000 L) Motor Grader-01 (150 HP)	
--	--	--	--	--

COMMUNITY DEVELOPMENT PLAN: → Action during the year Expenditure in Rs. Lakhs for

Focus area	Actual Expenditure incurred (Rs Lakhs)
	2022-23
Promotion of Education	187.99
Drinking Water & Agriculture	13.24
Health program	40.34
Social & Livelihood	7.81
Infra Structure	3.07
Total	252.5

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Details of violations observed during current inspection and compliance position of earlier violation pointed out: -No violation were pointed out during the year 2021-22. For the year 2022-23 also no significant violations appointed out

The inspection was for Star Rating and verified as 4 star against 5 star as self assessed by the lessee.

Mohammad Nimar  
Deputy Controller of Mines  
IBM, Gandhinagar