

MCDR INSPECTION REPORT

I/28325/2024

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Harudi-Kharai Limestone Mine
1 (b)	Name if inspecting officer	Mohammad 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	30/11/2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area : 659-00-00 Ha Govt. Waste Land : 659.00-00 Ha Private Land : 000.00-00 Ha Forest area : Nil
3	Mine code	38GUJ10008
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: amit.Raj@adityabirla.com Fax no: +91-2831-279279
6	Village	Kharai & Harudi
7	Taluka/Mandal	Lakhpat
8	District	Kutch
9	Pin code	370511
10	State	Gujarat
11	Post office	Vayor
12	Nearest police station	Vayor
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	07-07-2006
15	Date of Execution & lease period	03-10-2006 & upto 02-10-2036
16	Date of opening of Mine	18-06-2009
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 nd Floor Mahakali Caves Road, Andheri (E), Mumbai Maharashtra- 400093 E-mail: ajit.ostwal@adityabirla.com Ph:+91 22 6691 7800 Fax:+91 22 6692 8109 23/10/2018
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

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		Fax : 02831-279279 e-mail : gaurav.taluja@adityabirla.com 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: amit.raj@adityabirla.com 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 Sanjay Bawane- BE Mining Village: Vayor, Taluka: Abdasa, Dist: Kutch Bhuj e-mail: Sanjay.bawane@adityabirla.com 01-06-2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Mining Engineer -Shri Sanjay Bawane, Geologist- Hardik Kumar patel
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan With PMCP: 23-12-2021 2022-23 to 2026-27
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- 659.00 Ha	Fully Explored
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not given	-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not given	G2 Axis- 00.00 Ha	Fully Explored
1e	Balance reserves as on 01.04.2023	Not applicable	152.488 mill.T	
1f	General remarks of inspecting officer on geology, exploration etc.	Total lease area is fully explored on G-1		

2.0 Development

S	Item	Proposals	Actual work	Remarks
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N				
2a	Location of development w.r.t. lease area	Pit no-2,3,6,7 467800 to 469000 E, 2598400 to 2595600 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	03	Pit- 3,6 & 7
3b	Quantity of ROM mineral production proposed (22-23)	1.5 MTPA	0.781 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	Multi-pit blending
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 benches	Surface miner & Loader combination	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	146.248 Ha.	146.100 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 – 146.248 Ha. Waste / reject-0 Ha. Others Rd & Infra-16.04 Ha.	146.100 Ha. 0 Ha. 14.87 Ha.	Nil
3p	Production of ROM mineral during last three-year period, as applicable	2019-20 1.5 2020-21 1.5	1.37 1.01	Proposal as per EC : 1.50

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		2021-22	1.5	1.15	MTPA
43q	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	Nil	Nil	
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 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	No proposal	Not applicable	-
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 plantations 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
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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.	30/06/2023	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	No proposal	Not applicable	
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	1.5 Ha Afforestation & 1500 Nos. saplings of plantation	2.5 Ha Afforestation & 3468 Nos. saplings of plantation	Plantation done for FY 2022-23
6e	Compliance of Environmental monitoring (core zone & buffer zone)	-	Yes	
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	1.5 MTPA	0.78 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)	Not proposed	As reported no work carried out	
8b	Concurrent use or storage of topsoil	Not proposed	As reported no work	

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48c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	carried out As reported no work carried out	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	As reported no work carried out	
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	-	62 %	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road loading & unloading points shall be provided	Regular water sprinkling is done. & Automotive 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 th 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-04 Geologist – 1 Manager -1	Mining Engineer - Shri Sanjay Bawane, Geologist- Hardik Kumar patel	
9c	Scrutiny of Annual return on land use pattern for area under pits,	Area under use – 146.100 PMCP-2.50	Area under use – 146.100 PMCP-	

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	reclaimed area, dumps etc.		2.50	
9d	Scrutiny of Annual return on afforestation	No of trees planted: 3468 with survival rate of 62%	No of trees planted: 3468	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	There is no mineral rejects during the year 2022-23	There is no mineral rejects during the year 2022-23	
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 stocking.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex.Mine price – 216.52	Ex.Mine price – 216.52	
9i	Scrutiny of Annual return on fixed assets	Rs. 282004334/-	Rs. 282004334/-	
9k	Scrutiny of Annual return on mining machineries	SURFACE MINER – 02 Wheel Loaders – 02 Duper / Tippers: 08 Water Tanker: 01 Dozer-02 Conveyor Belt (Elct.)-01	SURFACE MINER – 02 Wheel Loaders – 02 Duper / Tippers: 08 Water Tanker: 01 Dozer-02 Conveyor Belt (Elct.)-01	

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

Focus area	Actual Expenditure incurred (Rs Lakhs)
	2022-23
Promotion of Education	76.00
Drinking Water & Agriculture	5.35
Health program	16.31
Social & Livelihood	3.16
Infra Structure	1.24
Total	102.06

10- 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 5 star as self assessed by the lessee.

Mohammad Nimar
Deputy Controller of Mines
IBM, Gandhinagar