

MCDR INSPECTION INFORMATION SHEET (Star Rating)

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Harudi-Kharai Limestone Mine
1(b)	Name of the inspecting officer & Designation	Naman Ekka Sr. Mining Geologist
1(c)	Accompanying mine official representative	Mr. Sachin Tonge Asst. General Manager
1(d)	Type of Inspection	Star Rating Inspection
1(e)	Date of Inspection	01/10/2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area : 659-00-00 Ha Forest area : Nil
3	Mine code	38GUJ10008
4	IBM Registration under Rule 45 of MCDR	IBM/441/2011
5	Name of the lessee, Address, phone, email and fax number	UltraTech Cement Ltd, Unit: Sewagram Cement Works Village – Vayor, Taluk – Abdasa, Dist – Kutch, Gujarat – 370511 Phone no: +91-2831-279604 E-mail: gaurav.taluja@adityabirla.com Fax no: +91-2831-279279
6	Village	Harudi & Kharai
7	Taluka/Mandal	Lakhpat
8	District	Kutch-Bhuj
9	Pin code	370511
10	State	Gujarat
11	Post office	Vayor
12	Nearest police station	Baranda
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	07-07-2006
15	Date of Execution	03-10-2006
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, A - Wing 1st Floor Mahakali Caves Road, Andheri (E), Mumbai Maharashtra- 400093 19/10/2018
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 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. Sachin Tonge UltraTech Cement Ltd, Unit: Sewagram Cement Works Village – Vayor, Taluk – Abdasa, Dist – Kutch, Gujarat – 370511 Phone no: +91-2831-279625

		E-mail: sachin.t@adityabirla.com Fax no: +91-2831-279279 26/07/2021
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
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan: 02-03-2017 SOM Approval date- 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.	SOM approval date - 23-12-2021 NA
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
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)	Nil	-	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	-	
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	-	No proposal
1e	Balance reserves as on 01.04.2022	Res as MP 111: 153 616 221: 150 644	Code: Res. 111: 153 270 221: 150 644	Reserves are in million Tons
1f	General remarks of inspecting officer on geology, exploration etc.	Area has been fully explored		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit no 1-4 & 6-7 bounded by the coordinated 467550 – 469850 E 2598460 N-2595460 N	As per the proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not given	Not applicable	
2c	Stripping ratio or ore to OB ratio	Not given	Not applicable	No OB generated during the year
2d	Quantity of topsoil generation in m3	No proposal	Not applicable	
2e	Quantity of overburden generation in m3	No proposal	Not applicable	LST is outcropping
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of PIT has been done with the help of Surface Miner.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	06	04	No working in pit-1

3b	Quantity of ROM mineral production proposed (20-21)	5.0 MTPA	1.15 MTPA	& 4 due to EC constraint Proposal as per EC: 1.50 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	Mining by SM-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	182.04 Ha	135.61 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	Pits – 220.57 Ha	178.69 Ha	Under different heads including current working	
3p	Production of ROM mineral during last three-year period, as applicable	2017-18 2018-19 2019-20 2020-21 2021-22	5.00 5.00 5.00 5.00 5.00	1.17 1.38 1.37 1.01 1.15	All figures are in million Tons & Deviation is due to Proposal as per existing EC: 1.50 MTPA. EC for expansion in production is awaited from MoEF
3q	General remarks of inspecting officer on method of mining etc.	Method of mining adopted is Opencast with the help of Surface miner, Drilling and blasting is not carried out.			

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Not applicable	No solid waste exist in mines as entire ROM is used at Plant.
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Not applicable	
4c	Number of dumps within lease area and outside lease area	None	None	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	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	-	
4h	Whether Retaining wall or garland drain all along dumps are there	Not applicable	-	
4i	Length of Retaining wall or garland drain all along dump	Not applicable	-	
4j	Number of settling ponds	Rain water harvesting in mine pits	Rain water stored in existing mining pits	

4k	Specific comments of inspecting officer	No solid waste exist in mines as entire ROM is used at Plant.
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5.0 Solid Waste Management-Backfilling				
SN	Item	Proposals 21-22	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 exists in the lease area	Not applicable	
5d	Total area fully reclaimed & rehabilitated	2 Ha / Year	2.50 Ha	Barren area rehabilitated by way of plantation.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Barren area rehabilitated by way of plantation since inception.		

6.0 Progressive Mine Closure Plan				
SN	Item	Proposals 20-21	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.	To be submitted on or before 1 st July for preceding year	Submitted on time	28/06/2022
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	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 mine pits.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2.00 Ha Afforestation & plantation	2.50 Ha Afforestation & plantation	Current year
6e	Compliance of Environmental monitoring (core zone & buffer zone)	56.00 Lakh	56.71 Lakh	Environment monitoring & greenbelt development
6f	General remarks of inspecting officer on PMCP compliance & progressive	Compliance of PMCP Proposal has been carried out as proposed.		

7.0 Mineral Conservation				
SN	Item	Proposals 20-21	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	5.0 MTPA	1.15 MTPA	EC is for 1.50 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 sampling.

7d	Any beneficiation process at mines	Not required	NA
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	As reported no Beneficiation issues reported. Optimal use of mineral is being carried out	

8.0 Environment		Proposals 21-22	Actual work	Remarks
SN	Item	No proposal	No generation	
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
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 Desi Babul. No forest in the core zone	Plantation is carried out along road side (waste land). Only Local species are being planted.	This is existing Mine
8g	Survival rate	60-65%	66.0%	Current year
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.	02 sprinklers are deployed on regular basis.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by little to no vegetation of local shrubs and plantation has been carried out by the lessee in the adjoining road side also.		

9.0 Compliance of Rule 45		COMMENTS	Remarks
S.N	Item	M.R. submitted up to -August. 2022(08/9/22) A.R. submitted up to- 2021-22 (27/06/22)	
S.N	Item	Details GIVEN in A.R.	Observation of I/Officer
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Graduate Mining Engineer -02 Diploma Mining Engineer-02 Geologist - 01 Manager -01	ME and Geologist Present During Inspection
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under use - 135.61 Ha Reclaimed area - Nil Dumps - Nil	As per Last Survey area mentioned is correct.
9d	Scrutiny of Annual return on afforestation	No of trees planted: 3350 with survival rate of 66%	Seems Corrects
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	There is no mineral rejects during the year 2021-22	There is no mineral rejects during the year

			2021-22	
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.	-	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value - Nil Ex. Mine price - Rs 218.32/T	Seems Corrects	As per Annual Return
9i	Scrutiny of Annual return on fixed assets	Land: Rs. 0 (Addition during the year) Plant: Rs 38667992 (-----do-----) Residential: Rs 0	-	Combined information of all assets at SCW including plant
9k	Scrutiny of Annual return on mining machineries	SURFACE MINER SM2200 - 2 Wheel Loaders - 2 Duper / Tippers: 11 Water Tanker: 02	SURFACE MINER SM2200 - 2 Wheel Loaders - 2 Duper / Tippers: 11 Water Tanker: 02	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

Sr.	Nature of Violation & Date & Letter no.	Violation raised by	Compliance / Reply submission date
1	Violations pointed out under Rule Rule 31(4) & 11(1) (GUJ/Kutch/LST-008, vol-1/2069 ID-58/21 dated 09/12/21)	Sr. Asst. Controller Mines Indian Bureau of Mines	Compliance submitted vide Letter UTCL/SCW/MINES/IBM/21-22/139 dated January 10, 2022.
2	Violations pointed out under Rule Rule 45(7A) (KUTCH/LST-008 ID-207/22 dated 02/05/22)	Dy. Controller Indian Bureau of Mines	Compliance was submitted vide our letter UTCL/SCW/MINES/IBM/22-23/36 dated May 19, 2022

No Significant Violations observed during inspection.

Naman Ekka
15/11/22
(Naman Ekka)
SMG