

MCDR INSPECTION REPORT (Star Rating)**1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Talli-Bambhor Limestone Mine
	Name of the Inspecting Officer	Naman Ekka, SMG / 27/03/2023 / Star Rating
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	193.3269 Ha. Ha. (No forest land falls within Lease area)
3	Mine-code	38GUJ05003
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	Talli & Bambhor
7	Taluka/Mandal	Talaja
8	District	Bhavnagar
9	Pincode	364130
10	State	Gujarat
11	Post office	Datha
12	Nearest police station	Datha Police Station
13	Nearest Railway station	Mahuva - Junction
14	Date of Grant of Mining Lease	08.01.2017
15	Date of Execution	11.01.2017 (Valid up to 10.01.2067 i.e. 50 years)
16	Date of opening of Mine	01.04.2018
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 10.01.2067.
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. K.C. Jhanwar UltraTech Cement Limited, Ahura Centre, "B" Wing, 2 nd Floor, Mahakali Caves Road, Andheri (E), Mumbai – 400093, Phone No.: 022 – 66917421 E-Mail: - 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 8511118764 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. Rohit Solanki M/s UltraTech Cement Limited, No-245, Krishnanagar, Near J.P. College Mahuva Taluka, Dist. – Bhavnagar. Pin-364290 Mobile –6357103572 Email- Rohit.solanki@adityabirla.com Date of Appointment – 12.02.2022

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Rohit Solanki, B.E. Mining, Exp.: 21 years M/s UltraTech Cement Limited, No-245, Krishnanagar, Near J.P. College Mahuva Taluka, Dist. – Bhavnagar. Pin-364290 Mobile –6357103572 Email- Rohit.solanki@adityabirla.com Date of Appointment – 12.02.2022
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.Ajey Singh. M.Sc Tech Applied Geology appointed as a Geologist on 13.07.2021 Mr Rohit Solanki, B.E. Mining appointed as a Mining engineer on 12.02.2022
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Approval Date: 15.01.2021 vide Letter No. 684(4)(1)/MP-307/2020-21-GNR Period from 2021-22 to 2025-2026
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
28	Method of Mining(Open cast, Underground)	Open cast
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	Actual work	Remarks
1a	Backlog of previous year	No Proposal	NIL	No any backlog of previous year
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	As on date 36 No. of Bore hole Drilling Completed with 346 m Meterage.	We have started Exploration activity on dated 26.06.2022 and Total Exploration work Completed
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	As on date 36 No. of Bore hole Drilling Completed with 346 m Meterage.	VINAYAK ENGIMECH PVT LTD. & Total 9,33,550 Rs expenditure incurred.
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 -20.4653 ha. G3-88.6646 ha.	G1-193.3269 Ha.	Entire Mining Lease Area Explored in G1 Level
1e	Balance reserves as on 26.03.2023 (in Million. Metric Tonne)	Mineral – Limestone 111 –11.647 122 – 1.287 221 -11.181 222 – 3.795 333 –24.220	Mineral – Limestone 111 –11.647 122 – 1.287 221 -11.181 222 – 3.795 333 –24.220	Reserve Calculation for 36 No. of Exploratory Bore Hole is under Process
1f	General remarks of inspecting officer on geology, exploration etc.	Area has been fully explored.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks		
2a	Location of development w.r.t. lease area	Near pit No 1,2,3	Near pit No 1,2,3	EC for 0.53 Million Metric Tonne, Production proposed in Approved Mining Plan was 0.53 Million Metric Tonne and Actual Production for the FY 2022-23 is *0.0 Million Metric tonne. No deviation from mining plan.		
		Grid Reference			Grid Reference	
		EW	NS		EW	NS
		808642 to 808922	2343 060 to 2343 441		-	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Near pit No 12 & 13	Near pit No 8	No deviation from mining plan.		
		Grid Reference			Grid Reference	
		EW	NS		EW	NS
		808249 to 808531	2342 063 to 2342 457		80891 8 to 80896 4	2342030 to 2342134
2c	Stripping ratio or ore to OB ratio			No deviation from mining plan.		
2d	Quantity of topsoil generation in m3			No deviation from mining plan.		
2e	Quantity of overburden generation in m3	-	-	No deviation from mining plan.		
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of pits has carried out as per proposal by separate benches in Top Soil and Mineral.				

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	1	No deviation and work carried out as per proposal.
3b	Quantity of ROM mineral production proposed	530000 Tons	0 Tons	No production of ROM due to Local Issue
3c	Recovery of saleable/usable mineral from ROM production	-	Nil	No deviation from mining plan.
3d	Quantity of mineral reject generation	-	Nil	No deviation from mining plan.

3e	Grade of mineral reject generation and threshold value declared	-	Nil	No deviation from mining plan.
3f	Quantity of sub-grade mineral generation	-	Nil	No deviation from mining plan.
3g	Grade of sub-grade mineral generation	-	Nil	No deviation from mining plan.
3h	Manual / Mechanised method adopted for segregating from ROM	-	Nil	No deviation from mining plan.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation is proposed in the mining plan	No beneficiation is carried out	No deviation from mining plan.
3j	Provision of drilling & blasting in mineral benches	-	Nil	No deviation from mining plan.
3k	Provision of mining machineries in mineral benches	Excavator, Dumper Trucks	Excavator, JCB & Tippers are used for development and for mining purpose	No deviation from mining plan.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height 6 mtr for ore benches	Mines under development stage. maximum height is 6 mtr	No deviation from mining plan.
3m	Total area covered under excavation/pits	21.6171 Ha. Area was proposed.	9.9949 Ha. Area covered under excavation.	No deviation from mining plan.
3n	Ore to OB ratio for the pit/mine during the year	-	-	-
3o	Total area put in use under different heads at the end of year	Below mentioned area was proposed put in use in different heads: Pit – 21.6171 Ha. Mineral Storage-1.8659 ha. Dump/soil – 0.8122 Ha. Others – 3.4039 ha (Occupied by Roads/Plants/Buildings)	Below mentioned area was actually put in use for different heads: Pit- 9.9949 Ha. Mineral Storage-1.8659 ha. Waste Disposal - 0.649 Ha. Others – 1.322 ha (Occupied by Roads/Plants/Buildings) Water Reservoir /Plantation/Mineral Storage-6.372	No deviation from mining plan.
3p	Production of ROM mineral during last five-year period, as applicable	2017-18: 408540 T 2018-19: 513550 T 2019-20: 337831 T 2020-21:524117 T 2021-22:530000 T 20-22-23: 53000 T	2017-18: Nil 2018-19: 55279 T 2019-20: 180998 T 2020-21: 210319 T 2021-22: 53053.44 T 2022-23 : Nil	.

3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out
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4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	No deviation from mining plan.
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Only top soil available and No OB generated. Top soil is presently spreaded along the lease boundary and roads for plantation.	No deviation from mining plan.
4b	Location of topsoil, OB & mineral reject dumps	-	Top soil used for afforestation	No deviation from mining plan.
4c	Number of dumps within lease area and outside lease area	Nil	Nil	No deviation from mining plan.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	No dumps	No deviation from mining plan.
4e	Number of active & alive dumps	Nil	Nil	No deviation from mining plan.
4f	Number of dead dumps	Nil	Nil	No deviation from mining plan.
4g	Number of dumps stabilised	Nil	Nil	No deviation from mining plan.
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	No deviation from mining plan.
4i	Length of Retaining wall or garland drain all along dump	NA	NA	No deviation from mining plan.
4j	Number of settling ponds	NA	NA	No deviation from mining plan.
4k	Specific comments of inspecting officer	As reported No Solid waste generated.		

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	-	Mines under development stage	No deviation from mining plan as full extraction of mineral from mine out area is remaining.
5b	Area under backfilling of mined out area	-	Nil	No deviation
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	-	Nil	Top Soil use for plantation purpose
5d	Total area fully reclaimed & rehabilitated	-	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been 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	Proposed to submit as per RULE 23 (E) (2).	PMCP Report for 2022-23 to be sublimated by the	We will Submit as per the Rule

	given in Annexure-20.		lessee	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No Proposal	Nil	No deviation
6c	Afforestation done (ha)	1.00 Ha. Proposed for afforestation.	1.00 Ha. Area is used for plantation.	No deviation
6d	No. of saplings planted during the year	1000 Saplings.	2500 Sapling planted during the year 2022-23.	Neem, Karanj, Amrud, Jamun, Vad Dadam etc. species are planted.
6e	Cumulative no. of plants	5500 No.	Since the inception of mines about 7000 saplings planted.	Survival rate is about 80% in FY 2022-23.
6f	Any other specific method of rehabilitation	No proposal given	No other method adopted	No deviation from mining plan.
6g	Cost incurred on watch & care during the year	Rs. 1.10 lakhs rupees is proposed in mining plan for the year 2021-22	Rs. 18.8534 lakhs is spent for plantation after care expenses during the year 2022-23	No deviation from mining plan.
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No proposal in mining plan.	Nil	No deviation
6i	Compliance on reclamation and rehabilitation by backfilling ii) Void filled by waste/tailings	No proposal in mining plan.	Nil	No deviation
6j	Compliance on reclamation and rehabilitation by backfilling iii) Afforestation on the backfilled area	No proposal in mining plan.	Nil	No deviation
6k	Compliance on reclamation and rehabilitation by backfilling iv) Rehabilitation by making water reservoir	No proposal in mining plan.	Nil	No deviation
6l	Compliance on reclamation and rehabilitation by backfilling v) Any other specific means	No proposal in mining plan.	Nil	No deviation
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	1.00 Ha area was proposed for afforestation.	1.00 Ha. Area actually used for afforestation.	Improvement in greenbelt.
6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	No proposal in mining plan.	Nil	No deviation
6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	No proposal in mining plan.	Nil	No deviation

6p	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring of Ambient air quality, water quality, noise level survey and ground vibration is given in mining plan.	All the compliances related to Monitoring of Ambient air quality, water quality, noise level survey are compiled as per mining plan and No blasting has been carried out	All the monitoring values are within the prescribed limits.
6q	General remarks of inspecting officer on PMCP compliance & progressive	PMCP as per Proposals has been carried out.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	0.53 Million Tonne ROM was proposed during FY 2022-23.	0.0 Million Tonne was produced.	No sorting was proposed in mining plan and 100 % utilisation of mineral is being done.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No mineral sorting proposal in mining plan.	No mineral sorting is done.	Low Grade Mineral 100% utilised by blending with high grade.
7c	Different grade of mineral sorted out at mines	No mineral sorting proposal in mining plan.	No mineral sorting is done. 100% mineral extracted by mechanised method is crushed directly and dispatched to cement plant.	Low Grade Mineral 100% utilised by blending with high grade.
7d	Any beneficiation process at mines	No beneficiation is proposed in the mining plan.	No beneficiation is carried out.	No deviation from mining plan.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	In mining plan it is proposed that Top soil to be utilised concurrent for plantation.	Soil removed and utilised for plantation.	No deviation from mining plan.
8b	Concurrent use or storage of topsoil	No proposal given in mining plan.	No top soil stored during the year 2022-23	No deviation from mining plan.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No dumps proposed in mining plan for Overburden or Mineral Rejects.	No dumps available in mines for overburden or mineral rejects.	No deviation from mining plan.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal in mining plan	No Overburden	No deviation from mining plan.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration proposed in mining plan over 1.00 Ha area.	Phased restoration by mean of plantation in mines over 1.00 Ha area.	No deviation from mining plan.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1000 Saplings was proposed in Mining Plan.	2500 Saplings has been planted during the FY 22-23.	Plantation was on higher side.
8g	Survival rate	No details given in mining plan	80% (Survival rate in the FY 2022-23)	No deviation from mining plan.
8h	Water sprinkling on roads to control airborne dust	Water tankers is proposed for water sprinkling on roads.	Water sprinkling carried out on the haul road round the clock.	No deviation from mining plan.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by Vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
.	Status of submission of Monthly and Annual returns	Monthly Return submitted up to – February-2023 on 09.03.2023. Annual Return to be submitted for 2022-23		No deviation.
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	Mining Engineer – Rohit Solanki Geologist –Ajey Singh Manager – Rohit Solanki	Mining Engineer – Rohit Solanki Geologist –Ajey Singh Manager – Rohit Solanki	
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 01.04.2023, Pit- 9.9949 Ha. Mineral Storage-1.8659 ha. Waste Disposal - 0.649 Ha. Others – 1.322 ha (Occupied by Roads/Plants/Buildings) Water Reservoir /Plantation/Mineral Storage-6.372	Details of land use pattern is given as on 01.04.2023, Pit- 9.9949 Ha. Mineral Storage-1.8659 ha. Waste Disposal - 0.649 Ha. Others – 1.322 ha (Occupied by Roads/Plants/Buildings) Water Reservoir /Plantation/Mineral Storage-6.372	
9d	Scrutiny of Annual return on afforestation	Afforestation details area given: Within lease area: 2500, saplings planted with 80% survival Rate	Afforestation details area given: Within lease area: 2500, saplings planted	

			with 80% survival Rate	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral rejects given in annual		No mineral rejects available in mines. 100% of mineral utilised with proper blending.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock of Mines head as on closing of FY-22-23 is 165655.83 Tons.	Closing Stock of Mines head as on closing of FY-22-23 is 165655.83 Tons.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Annual Return will be submit as per Rule.		Mineral is used for captive purpose only.
9i	Scrutiny of Annual return on fixed assets	Fixed assets like, Machinery, Building and land details along with value is given in annual return.		
9k	Scrutiny of Annual return on mining machineries	Mining Machinery details are given in annual return.		As per the proposal of mining plan mining machinery is deployed.

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - No Significant Violations observed.

Naman Ekka
28/4/2023
Naman Ekka
SMG