

I/28354/2024

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Talli-Bambhor Limestone Mine
1 (b)	Name if inspecting officer	Mohammand Nimar, DCoM
1 (c)	Accompanying Mines Representatives	Mr. Rohit Solanki, Mining Engineer and others
1(d)	Type of Inspection	Star Rating & MCDR Inspection
1(e)	Date of Inspection	06/12/2023
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
	The Mine Address	
6	Village	Talli & Bambhor
7	Taluka/Mandal	Talaja
8	District	Bhavnagar
9	Pin code	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	Approved Mining Plan till Date, if applicable and its period & expiry	Approval Date: 15.01.2021. Period from 2021-22 to 2025-2026. Expiry 31stMarch 2026.
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, 2nd Floor, Mahakali Caves Road, Andheri (E), Mumbai – 400093, Phone No.: 022 – 66917421

I/28354/2024

		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.: 22 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	Mineral(s) granted in lease and proved for mining	Limestone
26	Method of Mining (Opencast, Underground)	Opencast
27	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
28	Captive/Non-Captive	Captive

Scientific Mining:

Compliance of proposals of approved mining plan/scheme of mining. –Exploration

S N	Item	Proposals (2022-23)	Actual work (2022-23, up to Nov 2023)	Remarks
1a	Backlog of previous year	No Proposal	NIL	Total no of holes 70 & meterage 948
1b	Exploration over lease area for Geological axis 1 or 2.	Proposed No's Bore	As on date 36 No. of	

I/28354/2024

		Hole-36 Meterage- 346m	Bore hole Drilling was Completed with 346 m Meterage.	
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	. Expenditure of Rs 9,33,550 incurred in the year 2022-23 total expenditure incurred is 2044227
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1- 84.197 ha. G2 - 20.4653 ha. G3-88.6646 ha.	G1- 193.3269 Ha	Entire Mining Lease Area has been Explored in G1 Level.
1e	Balance reserves in Ton.		Mineral – Limestone 111 –21.74 121 – 2.60 Total Balance Reserve is 24.34 MT	In the year 2022-23 No Production and Dispatch hence, balance Reserve is same. Mineral – Limestone 111 –21.74 121 – 2.60 Total Balance Reserve is 24.34 MT
1f	General remarks of inspecting officer on geology, exploration etc.	Total area explored in G1 level.		

2.0 Development

S N	Item	Proposals		Actual work		Remarks
2a	Location of development w.r.t. lease area	Near pit No 1,2,3		Nil		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.
		Grid Reference		Grid Reference		
		EW	NS	EW	NS	
		8086 42 to 8089 22	234 306 0 to 234 344 1	-	-	
		Near pit No 12 & 13	Near pit No 8			

I/28354/2024

			Grid Reference		Grid Reference		No deviation from mining plan.
			EW	NS	EW	NS	
			8082 49 to 8085 31	234 206 3 to 234 245 7	8089 18 to 8089 64	234203 0 to 234213 4	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches in topsoil and mineral proposed	Separate benches are maintained				
2c	Stripping ratio or ore to OB ratio	No Overburden proposal	No Overburden in Mines				
2d	Quantity of topsoil generation in m3	8592.0	8533				
2e	Quantity of overburden generation in m3	Nil	Nil				
	General remarks of inspecting officer on geology, exploration etc.		No mineral excavated due to some local issues.				

3.0 Exploitation

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	2	1	No Captive demand & No production .
3b	Quantity of ROM mineral production proposed (in Ton)	530000 Tons	0.0	No Production & Dispatch due to local issue.
3c	Recovery of saleable/unsalable mineral from ROM production	Not proposed	As reported no work carried out.	Nil
3d	Quantity of mineral reject generation	Not proposed	As reported no work carried out.	As per approved mining plan there is no mineral reject.
3e	Grade of mineral reject generation and threshold	Not proposed	As reported no work carried out.	No mineral reject generation

1/28354/2024

	value declared			as per approved mining Plan.
3f	Quantity of sub-grade mineral generation	Not proposed	As reported no work carried out.	No Subgrade Mineral
3g	Grade of sub-grade mineral generation	Not proposed	As reported no work carried out.	No Subgrade Mineral
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	As reported no work carried out.	No Manual / Mechanised method adopted for segregation.
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 Subgrade Mineral
3j	Provision of drilling & blasting in mineral benches	Not proposed	As reported no work carried out.	No provision of Drilling and Blasting in the approved Mining Plan.
3k	Provision of mining machineries in mineral benches	Excavator, Dumper Trucks	Excavator, JCB & Tippers are used for development and for mining purpose	As per approved Mining Plan.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height is 6 mtr and width 6m for ore benches.	Mines under development stage. maximum height is 6 mtr and width >6m in ore bench.	As per approved mining plan there is no overburden within the lease area.
3m	Total area covered under excavation/pits	21.6171 Ha. Area was proposed.	9.9949 Ha. Area covered under excavation.	
3n	Ore to OB ratio for the pit/mine during the year	No overburden exists		
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/Buil	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/Buil dings) Water Reservoir /	

1/28354/2024

		dings)	Plantation/Mineral Storage-6.372	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 513550 T 2019-20: 337831 T 2020-21: 524117 T 2021-22: 530000 T 2022-23: 530000 T	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.	No mineral excavated during the year 2022-23 due to some local issues.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
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	As per approved mining plan there is no overburden & mineral reject within the lease area
4b	Location of topsoil, OB & mineral reject dumps	Top soil used for afforestation	Top soil used for afforestation.	As per approved mining plan
4c	Number of dumps within lease area and outside lease area	No proposal	As reported no work carried out	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	As reported no work carried out	
4e	Number of active & alive dumps	No proposal	As reported no work carried out	
4f	Number of dead dumps	No proposal	As reported no work carried out	
4g	Number of dumps stabilised	No proposal	As reported no work carried out	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	As reported no work carried out	
4i	Length of Retaining wall or garland	No proposal	As reported no	

1/28354/2024

	drain all along dump		work carried out	
4j	Number of settling ponds	No proposal	As reported no work carried out	
4k	Specific comments of inspecting officer	No proposal of solid waste management and no work carried out.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	As reported no work carried out	
5b	Area under backfilling of mined out area (yearly and cumulative)	No Proposal	As reported no work carried out	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	As reported no work carried out	
5d	Total area fully reclaimed & rehabilitated	No Proposal	As reported no work carried out	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No work carried out against backfilling & reclamation.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals (2022-23)	Actual work (2022-23)	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.	Proposed to submit as per RULE 23 (E) (2).	Submitted Annual PMCP Annual Report on 29.06.2023	
6b	Management of worked / mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the	No Proposal	As reported no work carried out	

I/28354/2024

	year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Total cumulative Mined out area already reclaimed by means of backfilling (in hect) at the end of financial year ii) Afforestation on the backfilled area iii) Rehabilitation by making water reservoir iv) Any other specific means	No Proposal	As reported no work carried out	.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	As reported no work carried out	.
6e	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.
6f	Other (specify) :	No Proposal	As reported no	

I/28354/2024

	Fencing		work carried out	
6g	General remarks of inspecting officer on PMCP compliance & progressive	As reported PMCP compliances for the year 2022-23, 2500 sapling planted over 1.00 Ha has been completed as per proposal		

7.0 Mineral Conservation

S N	Item	Proposals (2022-23)	Actual work (2022-23)	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 production
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	As reported no work carried out	Low Grade Mineral 100% utilised by blending with high grade
7c	Different grade of mineral sorted out at mines	No Proposal	As reported no work carried out	Low Grade Mineral 100% utilised by blending with high grade.
7d	Any beneficiation process at mines	No Proposal	As reported no work carried out	As per approved the mining plan no beneficiation process is proposed.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Mineral Conservation and Beneficiation issue reported.		

8.0 Environment

S N	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	8592 Cu Meters	8533	
8b	Concurrent use or storage of topsoil	Use for plantation purpose	No top soil stored during the year 2022-23	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	As reported no work carried out	NIL
8d	Use of overburden,	No proposal in	NIL	As per approved

I/28354/2024

	waste rock, rejects and fines dump for restoring the land to its original use	mining plan.		mining plan there is no overburden within the lease area
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	As reported no work carried out	Mine is under Development stage.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Phased restoration proposed in mining plan over 1.00 Ha area. 1000 Saplings was proposed in Mining Plan	Phased restoration by mean of plantation in mines over 1.00 Ha area. 2500 Saplings has been planted during the FY 22-23.	Plantation was on higher side
8g	Survival rate	NIL	80%	
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 through water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Lease area is surrounded by villages with moderate to little vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
1.	Status of submission of Monthly and Annual returns	Monthly Return submitted up to Oct-23 on date 07.11.2023. Annual Return 2022-23 submitted as per Rule on date 29.06.2023.	

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	Mining Engineer – Rohit Solanki Geologist –Ajey Singh	Mining Engineer – Rohit Solanki Geologist – Ajey Singh	.
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.	Covered under current (O-C) Workings	

I/28354/2024

		Mineral Storage-1.8659 ha. Waste Disposal - 0.649 Ha. Others – 1.322 ha (Occupied by Roads/Plants/Buil dings) Water Reservoir / Plantation/Mineral Storage-6.372	9.995 Ha, Occupied by plant, buildings, residential, welfare buildings and road- 0662 Ha, Used for any other purpose (specify) Plantation, Mineral storage, Water Reservoir- 6.058 Ha	
9d	Scrutiny of Annual return on afforestation	Within lease area: 2500 saplings & outside lease 430 saplings planted	Within lease area: 2500 saplings & outside lease 430 saplings planted	with 80% survival Rate
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No Proposal	As reported no work carried out	No Scrutiny of Annual return on mineral reject generation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock- 0 Cement Grade- 165655.830Tons	ROM stock- 0 Cement Grade- 165655.830Tons	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex Mine price shown as Zero.	Ex Mine price shown as Zero.	Due to no production Expenditure had been incurred, (a) Exploration - 933550, (b) Mining - 17915802, (c) Over-head - 8699106 (d) Depreciation - 1712386 (e) Taxes - 7734 (f) Dead Rent - 386654
9i	Scrutiny of Annual return on fixed assets	Rs 187631315	Rs 187631315	

I/28354/2024

9k	Scrutiny of Annual return on mining machineries	Water Tanker-1, Wheel Loader-7, Tipper -2, Shovel -1, Dozer -1	Water Tanker-1 (1000 L), Wheel Loader0.5 Cum) -7, Tipper -2 (10 CUM), Shovel-1 (2.8 CUM), Dozer -1(410 HP)	
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Observation made: -

1. During inspection mine was not working due to local issues. But development work is going on.

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- No pending violation found for the year 2021-22 & this year also no significant violation pointed out.

- Verification of Star Rating template done. The Mine awarded with four star rating as self assessed.

Mohammad Nimar
Deputy Controller of Mines
Regional Office
Indian Bureau of Mines
Gandhinagar.