

## MCDR INSPECTION INFORMATION SHEET

### 1.0 **GENERAL**

SN	Particulars	Details
1	Name of the Mine	Talli-Bambhor Limestone Mine
1 (b)	Name of Inspecting officer	Naman Ekka, SMG
1 (c)	Date of Inspection	14/09/2021
1 (d)	Accompanying officer	Shri Ashok KumarJoshi Mines Manager
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	193.3269 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	Pin code	364130
10	State	Gujarat
11	Post office	Datha
12	Nearest police station	Datha Police Station
13	Nearest Railway station	Mahuva Jn.
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	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	Nominated Owner – Mr. K. C. Jhanwar, Ahura Centre, A-Wing, 1 <sup>st</sup> Floor, Mahakali Caves Road, Andheri (E), Mumbai. Pin- 400093 Telephone - 022-66917421 Email- 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. Vivek Uplanchiwar, M/s UltraTech Cement Limited, Unit: Gujarat Cement Works, Village – Kovaya, Taluka – Rajula, Dist. – Amreli. Pin-365541 Mobile – 9904301901 Email- vivek.uplanchiwar@adityabirla.com Date of Appointment – 26.02.2019
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Ashok Kumar Joshi M/s UltraTech Cement Limited, No-106, Manan, Sarvoday Society Mahuva Taluka, Dist. – Bhavnagar. Pin-364290

		Mobile -7774097925 Email- Ashok.joshi@adityabirla.com Date of Appointment – 02.07.2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Ashok Kumar Joshi M/s UltraTech Cement Limited, No-106, Manan, Sarvoday Society Mahuva Taluka, Dist. – Bhavnagar. Pin-364290  Mobile -7774097925 Email- Ashok.joshi@adityabirla.com Date of Appointment – 02.07.2018
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Appointed. Mr. Ajey Singh, M.Sc Tech Applied Geology appointed as a Geologist on 13.07.2021 Mr. Ashok Kumar Joshi, B.E. Mining appointed as a Mining engineer on 02.07.2018
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(Opencast, Underground)	Opencast Mining
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive Use

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

### Exploration

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	43 Bore hole, 860 Meter	Not Done	Violation of Rule 11(1)
1b	Exploration over lease area for Geological axis 1 or 2.	G1	Exploration could not carried out during the year due to Covid-19 restrictions.	21 Bore Hole (387 meter) drilled in the year 2019-20 against proposal of 17 holes.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per Mining plan as on 01.04.2019 G1 – Nil G2 – 151.266 Ha. G3 – 42.06 Ha.	Exploration Status as on 01.04.2021 G1 – 84.197 Ha. G2 – 20.465 Ha. G3 – 88.664 Ha.	36 borehole, 346 meter is proposed during FY 2021-22
1e	Balance reserves as on 01.04.2021	As per Mining plan reserves & resources as on 25.07.2019 in million tonnes 111 – Nil 121&122 – 3.637 211 – Nil 221/222 – 10.337 333 – 6.814	Balance reserves & resources as on 01.04.2021 in million tonnes 111 – 11.700 122 – 1.287 221 – 11.180 222 – 3.794 333 – 24.219	Reserves / Resources re-estimated as on 30.11.2020 for the review of Mining Plan for the period 2021-2026
1f	General remarks of inspecting officer on geology, exploration etc.	43 BH was proposed to drill during 2020-21 which has not been done.		

## 2.0 **Development**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
2a	Location of development w.r.t. lease area	N 2342200 – N 2342600 & E 808100 to 808700 Face Advancement from E to W at South western Part.	N 2342200 – N 2342570 & E 808279 to 808695 -	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches are maintained in the top soil and mineral	Separate benches are maintained in the top soil and mineral	No overburden available in the lease. Avg. 0.5 m thickness of top soil is there.
2c	Stripping ratio or ore to OB ratio	1:0.016	1:0.163	No Overburden available. Stripping ratio is given for Ore to Top Soil.
2d	Quantity of topsoil generation in m <sup>3</sup>	4715m <sup>3</sup>	22948 m <sup>3</sup>	Top Soil removed in the proposed area.
2e	Quantity of overburden generation in m <sup>3</sup>	No over burden removal proposed in mining plan	No overburden extracted	No overburden available in the lease
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development of Pit has been done as per proposal.		

## 3.0 **Exploitation**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	Proposed Production – 0.5241 million Tonnes	Actual Production – 0.2103 million Tonnes	
3c	Recovery of saleable/usable mineral from ROM production	100 % utilisation of ROM	100% ROM is utilised	Zero mineral waste mining is carried out.
3d	Quantity of mineral reject generation	No rejection is proposed	No rejection is done	Zero mineral waste mining is carried out without any rejection.

3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	
3f	Quantity of sub-grade mineral generation	Not applicable	Not applicable	
3g	Grade of sub-grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
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	
3j	Provision of drilling & blasting in mineral benches	No Drilling & Blasting is proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Excavator, Dozer, Dump Trucks	Excavator, Dozer, JCB & Trucks are used for mine development and for mining purpose	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench height 6 meter for ore benches	Mines is under development stage. maximum bench height is within 6 meters.	
3m	Total area covered under excavation/pits	12.5375 Ha is proposed	5.155 Ha utilised	
3n	Ore to OB ratio for the pit/mine during the year	1:0.016	1:0.163	No Overburden available. Stripping ratio is given for Ore to Top Soil.
3o	Total area put in use under different heads at the end of year	Pit-Waste/reject Others-	Area Put to use as on 01.04.2021 Pit-5.155 ha Mineral Storage 1.089 Road-1.062 Infrastructure-0.008 Top Soil Preservation-0.099 Other-0.679	
3p	Production of ROM mineral during last five-year period, as applicable	2016-17: 255570 Tonnes 2017-18: 408540 Tonnes 2018-19: 513550 Tonnes 2019-20: 337831 Tonnes 2020-21: 524117 Tonnes	2016-17: Nil  2017-18: Nil  2018-19: 55279 Tonnes 2019-20: 180998 Tonnes 2020-21 : 210319 Tonnes	

3q	General remarks of inspecting officer on method of mining etc.	Method of mining is as per the approved proposal.
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#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal given in mining plan for Overburden or Mineral Rejects. Top soil to be utilised concurrently for plantation.	Only top soil available and No OB generated. Top soil is presently spreaded along lease boundary and public roads for green belt development.	No overburden or rejects available in mines. Zero waste mining is adopted by blending of different quality mineral.
4b	Location of topsoil, OB & mineral reject dumps	No OB or reject dumps are proposed.	No OB or reject dumps are available in mines.	Top soil is used concurrently for afforestation on lease boundary and Road.
4c	Number of dumps within lease area and outside lease area	No proposal of dumps in the year 2020-21	No dumps made during the year 2020-21	No OB or rejects dumps in mines
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	No OB or rejects dumps in mines
4e	Number of active & alive dumps	Not Applicable	Not Applicable	No OB or rejects dumps in mines
4f	Number of dead dumps	Not Applicable	Not Applicable	No OB or rejects dumps in mines
4g	Number of dumps stabilised	Not Applicable	Not Applicable	No OB or rejects dumps in mines
4h	Whether Retaining wall or garland drain all along dumps are there	No dumps in mines and no retaining wall or garland drains proposed	No dumps in mines, hence it is not applicable	No OB or rejects dumps in mines
4i	Length of Retaining wall or garland drain all along dump	Not Applicable	Not Applicable	No OB or rejects dumps in mines
4j	Number of settling ponds	Not Applicable	Not Applicable	No OB or rejects

				dumps in mines
4k	Specific comments of inspecting officer			

### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No backfilling is proposed during the year	Mines under development stage	
5b	Area under backfilling of mined out area	No backfilling is proposed during the year	No backfilling is done during the year.	Mines under development stage
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Concurrent use of top soil for afforestation on lease boundary & side of road is given in mining plan	Top soil is used concurrently for afforestation on lease boundary & along roads passing through the lease.	Around 0.47 ha area is afforested by planting 1000 saplings during the year 2020-21.
5d	Total area fully reclaimed & rehabilitated	No backfilling is proposed during the year	Mines is under development stage	Nowhere minerals are completely mined out.
5e	General remarks of inspecting officer on backfilling, reclamation etc	NO back filling and reclamation work has been done.		

### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Year wise details are given in the mining plan	Annual report submitted vide letter no. UTCL/GCW/TB/2021-22/131B dated 30.06.2021 as per Rule 23(E)2 in the prescribed format.	Status given in annual report against the proposal given in PMCP.
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	i) Nil ii) 0.50 ha iii) 1000 no's iv) 3000 no's v) - vi) Cost@400 per sapling	Nil ii) 0.47 ha iii) 1000 no's iv) 3000 no's v) Nil vi) Rs 185230 is spent for plantation and after care	Mines under development stage. Top soil is spreaded along the lease boundary & roads for afforestation.

	during the year		expenses during the year 2020-21	
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	No proposal given for the year 2020-21	Mines is under development stage.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No proposal given for the year 2020-21	No waste land available in the ML.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring of Ambient air quality, water quality and noise level survey given in mining plan	Ambient Air quality, Fugitive emissions, ground water Monitoring and Noise Level Monitoring are carried out frequently. All values are within the prescribed limits.	
6f	General remarks of inspecting officer on PMCP compliance & progressive			

### **7.0 Mineral Conservation**

SN	Item	Proposals (2020-21))	Actual work (2020-21)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	0.524117 million Tonnes	0.210319 million Tonnes	Dispatch is 0.141 million MT because of local issues and Covid-19 restrictions. Balance mineral is properly stocked in the mines.



7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No sorting is proposed in mining pan	No mineral sorting is done. Mineral extraction is being done by mechanised mining method and dispatch to captive cement plant.	Zero waste mining is adopted by selective mining and blending of mineral for dispatch to the plant.
7c	Different grade of mineral sorted out at mines	No sorting is proposed in mining pan	No mineral sorting is done.	
7d	Any beneficiation process at mines	No beneficiation is proposed in the mining plan	No beneficiation is carried out	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NO beneficiation issues found.		

### 8.0 Environment

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil used for plantation	Soil removed and utilised for plantation	
8b	Concurrent use or storage of topsoil	No proposal given in mining plan	No storage of top soil as on date.	Top soil spreaded along the lease boundary for plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Temporary Top Soil Stack proposed in Southern boundary	As on date no top soil stacked.	Generated soil is used directly along the lease boundary and roads for afforestation.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal given in mining plan	Top soil is spreaded for plantation along the lease boundary & roads.	Mines is under development stage.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal given in mining plan	Mines is under development stage	Mineral are not extracted completely.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-	Mines is under development stage. Plantation is carried out in phased manner.	
8g	Survival rate	No details given in mining plan	About 80 % Survival rate in year 2020-21	3-year contract awarded for

				after care and guarding of saplings.
8h	Water sprinkling on roads to control airborne dust	-	Water sprinkling carried out by dedicated water tankers on the haul road to control the dust emission.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

### 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return Submitted up to – 31/07/2021 Annual Return submitted up to- 31/03/2021	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	Details given in annual return, Mr. Ashok Kumar Joshi, Mining Engineer, Mr. Ashish Gadgil, Geologist Mr. Ashok Kumar Joshi, Manager	Mr. Ashok Kumar Joshi, Mining Engineer, Mr. Ashish Gadgil, Geologist Mr. Ashok Kumar Joshi, Manager	Mr. Ashish Gadgil left the organisation on 26.06.2021 and Mr. Ajey Singh appointed as Geologist on 13.07.2021
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	2-pits are developed for water reservoir and other 1-pit is for production. No dumps, no reclamation	2-pits are developed for water reservoir and other 1-pit is for production. No dumps, no reclamation	
9d	Scrutiny of Annual return on afforestation	1000 saplings plantation done in 0.47 ha	1000 saplings plantation done in 0.47 ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	No mineral rejects given in annual return.	No mineral rejects given in annual return	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Cement grade limestone excavated and transported to captive plant	Cement grade limestone excavated and transported to captive plant	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production	Ex. Mine Price and production	Ex. Mine Price and production	

	cost	cost of Rs. 175.03/Metric Tonne is given in Annual Return. It includes statutory dues like Royalty, DMF & NMET.	cost of Rs. 175.03/Metric Tonne is given in Annual Return. It includes statutory dues like Royalty, DMF & NMET	
9i	Scrutiny of Annual return on fixed assets	Land value and machinery value is given. No other assets available in mine	Land value and machinery value is given. No other assets available in mine	
9k	Scrutiny of Annual return on mining machineries	Excavator, Dozer, JCB, Tippers and water tankers are used.	Excavator, Dozer, JCB, Tippers and water tankers are used.	Mines is under development stage

10. Details of violations observed during current inspection and compliance position of violation pointed out					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
11(1)	22/10/2021				

Naman Ekka  
Senior Mining Geologist

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