

**MCDR INSPECTION REPORT****1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri. Varaprasada Rao Laveti, Junior Mining Geologist, Indian Bureau of Mines, Hyderabad
2	Accompanying Mine Official with Designation	Shri.K.N. Sidda Reddy, Mines Agent & VP - Mines M/s. UltraTech Cement Limited, (Unit: APCW)
3	Date of inspection	20.11.2024
4	Name of the Mine	Tummalapenta Limestone Mine-3
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Lease area – 90.52 Ha Non forest Land – 90.52 Ha Forest Land – Nil
6	Mine Code	38APR11188
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/441/2011
8	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Limited Bhogasamudram Village, Tadipatri -Mandal, Anantapuramu – District State – Andhra Pradesh PIN - 515413 Ph. & Fax : 08558-288821/59
9	Village	Tummalapenta
10	Taluka / Mandal / District	Banaganapalli / Kolimigundla /Nandyal
11	State	Andhra Pradesh
12	Post office & PIN	Tummalapenta & 518 123
13	Nearest police station	Kolimigundla
14	Nearest Railway station	Tadipatri
15	Date of Grant of Mining Lease	G.o.MS.No:4 dated: 05.01.2017
16	Date of Execution	07.01.2017
17	Date of opening of Mine	14.11.2018
18	Date of first Renewal, if applicable and its period & expiry	11111111111 -
19	Date of second Renewal, if applicable and its period & expiry	-
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. K.C. Jhanwar M/s. UltraTech Cement Limited A wing, Ahura Center 1st Floor, Mahakali Caves Road Andhrei (E), Mumbai -400 093 Phone no. 08558 288847 Email id: utcl- apcw.agentmines@aditaybirla.com Date of appointment: 22.10.2018
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. K.N. Sidda Reddy Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: kns.reddy@adityabirla.com Phone No. 7039023088 Date of appointment : 17.02.2021

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23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Jichkar Sanjay Kumar Pundlikrao. Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: saniay.jichkar@adityabirla.com Phone No: 9763722774 Date of appointment: 01.09.2023
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining Engineer: Shri. Jichkar Sanjay Kumar Pundlikrao. Qualification: Diploma in Mining Engineering with First Class Mines Manager Competency Certificate holder. Experience: 27 Years Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: saniay.jichkar@adityabirla.com Phone No: 9763722774 Date of appointment: 01.09.2023
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri. V. vijayabhaskar Qualification: M.Sc., (Geology) Experience: 13 Years Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: vijayabhaskar.vutti@adityabirla.com Phone No: 8500060617 Date of appointment: 24.06.2021
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Approved Review of Mining Plan vide letter no. AP/KNL/MP/Lst-129/Hyd dated 24.12.2020 For the period: from 2021-22 to 2025-26
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining (Opencast, Underground)	Opencast Mining
30	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
31	Captive/Non Captive	Captive
32	Existing EC Limit and validity	EC capacity 1.30 MTPA Lt. no. J-11015/175/2008-IA. II (M) Dt.: 09.06.2009
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Performance Security Submitted Vide Letter No: UTCL/APCW/TLM3/PS/2021-22 dt:05.01.2022 for an amount of Rs.38051563/-

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

**1.0 Exploration**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	No proposal.	Nil.	
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal.	Nil.	The potentially mineralized area has already been explored under G1 Level: 85.08 Ha. G2 Level: 5.44 Ha.  Non-mineralized: Nil.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal.	Nil.	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal.	Nil.	-do-
1e	Balance reserves as on 01.04.2024 (in Million Tonnes)	As per the approved document dated 24.12.2020, Status of Reserves/Resources as on 01/04/2020:  Under (111): 14152420 Tonnes.  Under (121&122): 485533 Tonnes.  Under (211): 2508301 Tonnes.	Reserves/Resources as on 01/04/2024:  Under (111): 13949390 Tonnes.  Under (121&122): 485533 Tonnes.  Under (211): 2508301 Tonnes.	Average Grade (Limestone): CaO- 44.49% SiO <sub>2</sub> - 13.88% MgO- 0.64% Updated reserves and resources has been obtained from the latest approved MMP dated 24/12/2020
1f	General remarks of inspecting officer on geology, exploration etc.	The Kurnool group of rocks overlies Cuddapah Super group. Limestone deposit occurring in the subject area belongs to the Narji Formation of the Kurnool Group		

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	of the Cuddapah Super group. It is entirely made up of the variants of limestone and the calcareous flags. The lease area is mostly covered by Soil capping. The outcrops of massive limestone are exposed in the western part of the mining lease. The different limestone horizons are not marked by sharp contacts but show gradational change from one litho-unit to another. Flaggy Limestone is present at the eastern side of the ML area. The division of massive limestone into three different categories (Dark Grey Limestone, Grey Limestone and Light Grey Limestone) is by visual inference during geological mapping in field and its correlation during core examination in the course of core logging.
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**2.0 Development**

S N	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	E: 182524.02- 182416.0 N: 1661327.3117- 1661162.30	Actual working has been carried out between the coordinates E: 182416.0- 182511.40 N: 1661327.3117- 1661162.30	Development carried out within the proposed limits
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil: 01 no.  Mineral/Ore: 02 nos.	Topsoil: 01 no.  Mineral/Ore: 02 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.0	1 : 0.0	
2d	Quantity of topsoil generation in m <sup>3</sup>	6400.00M <sup>3</sup>	2783.00M <sup>3</sup>	
2e	Quantity of overburden generation in m <sup>3</sup>	No proposal.	Nil overburden has been generated during F.Y. 2023-24	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development and production is being done through fully mechanized means.		

**3.0 Exploitation**

S N	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
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3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	2023-24: 51250.00 Metric Tonnes	2023-24: 50010.00 Metric Tonnes	The production is made 1240 tonnes (2%) less in the year 2023-24.
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No such Nil. proposals were given in the approved document	Nil.	Entire ROM produced is despatched to plant linked with the mine for the captive consumption
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document.	Nil.	-
3f	Quantity of sub-grade mineral generation	No proposal.	Nil.	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil.	The entire produced limestone is being dispatched to the crusher, erected outside lease area.
3i	Any analysis or beneficiation study proposed & carried out	No proposal.	Nil.	-

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	for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Blast hole drill dia : 150 mm Non Permitted Slurry Explosives (Large Diameter)	Blast hole drill dia : 150 mm Non Permitted Slurry Explosives (Large Diameter)	
3k	Provision of mining machineries in mineral benches	1. Hydraulic Shovel/Excavator 01 no. with 2.1 CuM bucket capacity.  2. Dumper 01 no. with 55.00 Tonnes carrying capacity.  3. Hydraulic Rock Breaker 01 no.  4. Dozer 01 no. with 8.84 CuM bucket capacity.  5. Drilling Machine 01 no. with 6.0-inch diameter bit capacity.  6. Water Tanker 01 no. with 16 KL capacity.	1. Hydraulic Shovel/Excavator or 01 no. with 2.1 CuM bucket capacity.  2. Dumpers 03 no. with 55.00 Tonnes carrying capacity.  3. Tippers 03 nos. with 20.00 Tonnes carrying capacity.  4. Dozer 01 no. with 8.84 CuM bucket capacity.  5. Drilling Machine 01 no. with 150.00 mm diameter bit capacity.  6. Water Tanker 01 no. with 10 KL capacity.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: 0.50 m to 1.0 m  Mineral/Ore: 9.0 m	Topsoil: 0.50 m to 1.0 m  Mineral/Ore: 9.0 m	-
3m	Total area covered under excavation/pits	3.16 ha at the end of the year 2023-24	3.13 Ha at the end Year 2023-24	
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	Pit: 3.16 Ha. Waste/reject- 0.52	Pit: 3.13 Ha. Waste/reject-	Land use details are

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		Ha Others- 1.20 Ha. Up to end of F.Y. 2025-26	0.52 Ha Others- 0.20 Ha. Up to end of F.Y. 2023-24	furnished as on 31.03. 2024
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr-2019-20:12,30,000 Yr-2020-21:13,00,000 Yr-2021-22: 51,750 Yr-2022-23: 52,500 Yr-2023-24: 51,250	Yr-2019-20: 34,000 Yr-2020-21: 52,000 Yr-2021-22: 51,000 Yr-2022-23: 50,020 Yr-2023-24: 50,010	In the year 2023-24 the production was made less than the proposal however the deviation was less than 20% violation is not pointed out for the same
3q	General remarks of inspecting officer on method of mining etc.	Mining has been carried out through the opencast method with fully mechanized means using conventional drilling and blasting.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No such proposals were given in approved document	No dumping was made in the year 2023-24	no OB and Mineral rejects are generated in the year 2023-24 however t 2783 cu.m of Top soil has been generated and the same was used for greenbelt development
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	-	-	No such proposals were given in the

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				approved document
4c	Number of dumps within lease area and outside lease area	No such proposals were given in approved document	No dumping was made in the present plan period	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No such proposals were given in approved document	-	
4e	Number of active & alive dumps	No dumping proposals were made in the present plan period	Nil	NA
4f	Number of dead dumps	No such proposals were given in approved document	Nil	
4g	Number of dumps stabilised	No such proposals were given in approved document	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal.	Nil.	-
4i	Length of Retaining wall or garland drain all along dump	No proposal.	Nil.	-
4j	Number of settling ponds	No proposal.	Nil.	-
4k	Specific comments of inspecting officer	Nil.		

**5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No backfilling was proposed in present plan period	No backfilling was made in the present plan period	Mineral is not extracted up to the proved depth so, no backfilling was proposed
5b	Area under backfilling of mined out area	No such proposals were given in approved document	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No such proposals were given in approved document	Nil	The topsoil removed during plan period is utilized for makin

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				g plantation in the 7.5 mtr safety zone
5d	Total area fully reclaimed & rehabilitated	0.25 Ha. area will be utilized for plantation of 700 nos. of saplings in the barrier zone.	0.32 Ha. area has been utilized for plantation of 800 nos. of saplings in the barrier zone.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mineral is not extracted up to the proved depth so, no backfilling was proposed during the present plan period		

**6.0 Progressive Mine Closure Plan**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	As per rule 26(2), lessee has to submit the annual report before 1st day of July of every year.	PMCP Annual report submitted on:21.06.2024	Submitted PMCP report within stipulated time limit
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	i) Nil ii) 0.25 ha. iii) 700 iv) 700 v) not proposed vi) 400000	i) Nil ii) 0.32 ha iii) 800 iv) 800 v) Nil vi) Aprx. Rs.400000	Plantation was made more than the proposal
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	No proposal.	Nil.	-

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	iv) Rehabilitation by making water reservoir v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	700 nos.  0.25 Ha.  By plantation.	800 nos.  0.32 Ha.  By plantation.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Quarterly Environmental monitoring to be monitored (core zone & buffer zone separately)	Environmental Monitoring is being carried out quarterly in core zone as well as buffer zone, and the results are observed well within the permissible limits	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Lessee has made total 800nos. plantation in the present plan period and Environmental Monitoring is being carried out quarterly in core zone as well as buffer zone.		

**7.0 Mineral Conservation**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM/Ore will be dispatched directly to the crusher plant without sorting.	Being done as per proposal.	Entire ROM is being fed to crusher for manufacturing of cement, so no sub grade generation during the mining operation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No proposal for grade wise sorting.	ROM/Ore is being dispatched to the captive plant without sorting.	-
7c	Different grade of mineral sorted out at mines	-do-	-do-	-
7d	Any beneficiation process at mines	Not proposed	Nil	ROM mineral is crushed to reduce its size using

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				mechanical methods.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil.		

**8.0 Environment**

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	6400.00M <sup>3</sup>	2783.00M <sup>3</sup>	
8b	Concurrent use or storage of topsoil	Top soli to be used for development of Greenbelt	Top soli has been used for development of Greenbelt	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No Proposal.	NIL	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal.	NIL	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	F.Y. 2023-24: 0.25 Ha. area will be utilized for plantation of 700 nos. of saplings.	F.Y. 2023-24: 0.32 Ha. area has been utilized for plantation of 800 nos. of saplings.	Planatio n has been done along the safety barrier.
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Greenbelt: 0.25 Ha. 700 saplings.	Greenbelt: 0.32 Ha. 800 saplings	
8g	Survival rate	90%	Approximate 90%	
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads to control airborne dust through the water tanker.	Being done as per proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Water tanker is deployed for sprinkling water in the working area and on the haulage roads for dust suppression. Plantation was made in the 7.5 mtr safety zone and engaged manpower for monitoring Plantation.		

**9.0 Compliance of Rule 45**

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto -Oct-2024 A.R. submitted upto-2023-24(21.06.2024)	

S. N.	Item	Details GIVEN in A.R. 2023-24	Observation of I/Officer 2023-24	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri Jichkar Sanjay Kumar Mining Engineer: Shri Jichkar Sanjay Kumar Geologist: Shri V. Vijaya Bhaskar	Manager: Shri Jichkar Sanjay Kumar Mining Engineer: Shri Jichkar Sanjay Kumar Geologist: Shri V. Vijaya Bhaskar	Lessee has Submitted notice of appointment for Mining engineer and Geologist
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 3.13 Ha. Waste/reject- 0.52 Ha Plantation- 0.25 Ha Others- 0.20 Ha.	Pit: 3.13 Ha. Plantation- 0.32 Ha Others- 0.20 Ha.	Nil
9d	Scrutiny of Annual return on Afforestation	700 saplings	800 saplings	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject: Nil.  Grade: Nil.	Mineral Reject: Nil.  Grade: Nil.	Nil.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Closing Stock: Nil. Cement Grade Limestone Closing stock: Nil.	ROM Closing Stock: Nil. Cement Grade Limestone Closing stock: Nil.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value: Nil. Ex-mine Price: Rs. 274.98 Per Metric Tonne Cost of Production: Rs. 274.98 Per Metric Tonne	Sale value: Nil. Ex-mine Price: Rs. 274.98 Per Metric Tonne Cost of Production: Rs. 274.98 Per Metric Tonne	Nil.
9i	Scrutiny of Annual return on fixed assets	Rs. 26858540	Rs. 26858540	
9k	Scrutiny of Annual return on mining machineries	1. Hydraulic	1. Hydraulic	The details given in the

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	<p>Shovel/Excavator 01 no. with 2.1 CuM bucket capacity.</p> <p>2. Dumpers 03 no. with 55.00 Tonnes carrying capacity.</p> <p>3. Tippers 03 nos. with 20.00 Tonnes carrying capacity.</p> <p>4. Dozer 01 no. with 8.84 CuM bucket capacity.</p> <p>5. Drilling Machine 01 no. with 150.00 mm diameter bit capacity.</p> <p>6. Water Tanker 01 no. with 10 KL capacity.</p>
	<p>Shovel/Excavator 01 no. with 2.1 CuM bucket capacity.</p> <p>2. Dumpers 03 no. with 55.00 Tonnes carrying capacity.</p> <p>3. Tippers 03 nos. with 20.00 Tonnes carrying capacity.</p> <p>4. Dozer 01 no. with 8.84 CuM bucket capacity.</p> <p>5. Drilling Machine 01 no. with 150.00 mm diameter bit capacity.</p> <p>6. Water Tanker 01 no. with 10 KL capacity.</p>
	AR is found correct

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

**(Name of inspecting officer with designation and date)**

Varaprasada Rao Laveti,  
JMG, Indian Bureau of Mines