

MCDR INSPECTION REPORT

File No.

Mine Code: 38APR11043

1	Name of the Inspecting Officer	Shaival Kartikeya
2	Designation	Senior Mining Geologist
3	Accompanying mine Official with Designation	Shri. K. N. Sidda Reddy, Agent (Mines)
4	Date of inspection	20-November-2024
5	Previous inspection date	24-August-2023

Part -I General Information

S. N.	Particulars	Details
1	Name of the Mine	Guruvanipalli Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest: 395.15 Ha. Forest: Nil. Total Extent of lease area: 395.15 Ha.
3	Mine code	38APR11043
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 Bhogasavmudram Village, Tadipatri -Mandal Anantapuramu – District State – Andhra Pradesh PIN - 515413 Ph. & Fax : 08558-288821/59 Email: apcw.agentmines@aditaybirla.com
6	Village	Guruvaniaplli & Petnikota
7	Taluk/Mandal	Kolimigundla
8	District	Nandyal
9	Pincode	518 123
10	State	Andhra Pradesh
11	Post office	Pentikota
12	Nearest police station	Kolimigundla
13	Nearest Railway station	Tadipatri
14	Date of Grant of Mining Lease	G.O. Ms. No, 149 dated 30/09/1995
15	Date of Execution	02/01/1997 to 01/01/2017 (20 Years)
16	Date of opening of Mine	23/05/2014
17	Date of first Renewal, if applicable and its period & expiry	As per Section 8A of MMDR Act, 2015, supplementary lease deed has been made for the extended period. 02/01/2017 to 01/01/2047 (30 Years) Executed on 15/03/2019
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	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.: +91 (0) 8558 288847

		Email id: kailash.jhanwar@adityabirla.com Date of appointment: 22/10/2018
21	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 Post & Village Bhogasamudram, Mandal Tadipatri, District Anantapur, State Andhra Pradesh Pin Code: 515413 Email id: kns.reddy@adityabirla.com Phone No.: +91 (0) 7039023088 Fax No.: +91 (0) 8558 - 288821/59 Date of appointment: 17/02/2021
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. K. Amaranatha Reddy Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Post & Village Bhogasamudram, Mandal Tadipatri, District Anantapur, State Andhra Pradesh Pin Code: 515413 Email id: amaranathareddy.k@adityabirla.com Phone No.: +91 (0) 9848542131 Fax No.: +91 (0) 8558 - 288821/59 Date of appointment: 30/07/2022
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. K. Amaranatha Reddy Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Post & Village Bhogasamudram, Mandal Tadipatri, District Anantapur, State Andhra Pradesh Pin Code: 515413 Email id: amaranathareddy.k@adityabirla.com Phone No.: +91 (0) 9848542131 Fax No.: +91 (0) 8558 - 288821/59 Qualification: Diploma (Mining) with First Class Mines Manager Competency Experience: +18 Years Date of appointment: 30/07/2022
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri. Prithivi Raj B. Andhra Pradesh Cement Works M/s. UltraTech Cement Limited Post & Village Bhogasamudram, Mandal Tadipatri, District Anantapur, State Andhra Pradesh Pin Code: 515413 Phone No.: +91 (0) 7036370022 Fax No.: +91 (0) 8558 - 288821/59 E-mail: krishnaraj.prithvi@adityabirla.com Qualification: M.Sc. (Geology) Experience: +6 Years Date of appointment: 27/08/2024
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan vide letter no. AP/KNI/MP/Lst-22/HYD dated 17/02/1995 Proposal Period: F.Y. 1996-97 to 2001-2002
26	Date of Approval of Scheme of	Modified Mining Plan approved vide letter no.

	Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	LC/59458103/AP/VJA dated 06/11/2024 Proposal Period: F.Y. 2024-25 to 2025-26
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)	Mechanised
30	Captive/ Non captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

1.0 Exploration

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	No proposal.	Nil.	The entire potentially mineralized area has already been explored under G1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal.	Nil.	G1 Level: 395.15 Ha. Non-mineralised: 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 01.08.2024	Under (111): 140.053661 Million Tonnes Under (211): 102.562941 Million Tonnes	Under (111): 140.053661 Million Tonnes Under (211): 102.562941 Million Tonnes	Average Grade (Limestone): CaO- 44.71%, SiO ₂ - 14.39%, MgO - 0.41% Updated reserves and resources has been obtained from the latest

				approved RMP dated 06/11/2024
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 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.		

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	F.Y. 2023-24: In between UTM co-ordinates N1667001 to N1667240 and E180030 to E180490	F.Y. 2023-24: In between UTM co-ordinates N1667001 to N1667240 and E180030 to E180490	No major deviation has been observed.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil: 01 no. Mineral/Ore: 03 nos.	Topsoil: 01 no. Mineral/Ore: 03 nos.	-
2c	Stripping ratio or ore to OB ratio	1 : 0.0	1 : 0.0	-
2d	Quantity of topsoil generation in m3	5668.00 CuM	5000.00 CuM	-
2e	Quantity of overburden generation in m3	No proposal.	Nil.	-
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
3a	Number of pits proposed for production	01 no.	01 no.	-

3b	Quantity of ROM mineral production proposed	600000.00 Metric Tonnes	294882.00 Metric Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal	Nil.	-
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil.	-
3f	Quantity of sub-grade mineral generation	No proposal.	Nil.	-
3g	Grade of sub-grade mineral generation	No proposal.	Nil.	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal.	Nil.	The entire produced limestone is being dispatched to the captive cement plant.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal.	Nil.	-
3j	Provision of drilling & blasting in mineral benches	Dia.: 150 mm Spacing: 8.0 m Burden: 4.0 m Depth: 9.0 m Explosive: Non Permitted Slurry Explosives (Large Diameter).	Dia.: 150 mm Spacing: 8.0 m Burden: 4.0 m Depth: 9.0 m Explosive: Non Permitted Slurry Explosives (Large Diameter).	-
3k	Provision of mining machineries in mineral benches	1. Tippers 06 nos. with 100 Tonnes (03 nos.) and 55 Tonnes (03 no.) carrying capacity. 2. Water Tanker 01 no. with 28 CuM carrying capacity. 3. Hydraulic Shovels 03 nos. with 6.50 CuM bucket capacity. 4. Drilling Machine 01 nos. with 150 mm diameter bit size.	1. Backhoe 01 nos. with 6.50 CuM bucket capacity. 2. Dumpers 03 nos. with 55.0 Tonnes capacity. 3. Dozer 01 nos. with 416 HP capacity. 4. Water Tanker 01 no. 28KL carrying capacity. 5. Blast host drill 01 no. with 150.0 mm bit diameter.	-
3l	Whether height of	Bench Height:	Bench Height:	-

	benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral: Avg. 9.0 m Bench Width: Mineral: Avg. 20.0 m	Mineral: Avg. 9.0 m Bench Width: Mineral: Avg. 20.0 m	
3m	Total area covered under excavation/pits	Pit: 48.87 Ha. up to end of F.Y. 2025-26	Pit: 41.36 Ha. up to end of F.Y. 2023-24	-
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.0	1 : 0.0	-
3o	Total area put in use under different heads at the end of year	Pit: 48.87 Ha. Waste/reject- Nil. Others- 6.62 Ha. Up to end of F.Y. 2025-26	Pit: 41.36 Ha. Waste/reject- Nil. Others- 2.09 Ha. Up to end of F.Y. 2023-24	-
3p	Production of ROM mineral during last five-year period, as applicable	Yr. 2019-20: 300000.00 Metric Tonnes Yr. 2020-21: 300000.00 Metric Tonnes Yr. 2021-22: 300000.00 Metric Tonnes Yr. 2022-23: 300000.00 Metric Tonnes Yr. 2023-24: 600000.00 Metric Tonnes	Yr. 2019-20: 41000.00 Metric Tonnes Yr. 2020-21: 44882.00 Metric Tonnes Yr. 2021-22: 111882.00 Metric Tonnes Yr. 2022-23: 296882.00 Metric Tonnes Yr. 2023-24: 294882.00 Metric Tonnes	-
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

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Proposal has been given in the approved document for separate stacking of mineral rejects and topsoil in between UTM Co-ordinates Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 &	Separate stacking of mineral rejects and topsoil have been done in between UTM co-ordinates Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 & (ii) N1666500 to	-

		(ii) N1666500 to N1667500 and E180000 to E181000 Topsoil: N1667001 to N1667240 and E180030 to E180490	N1667500 and E180000 to E181000 Topsoil: Topsoil: N1667001 to N1667240 and E180030 to E180490	
4b	Location of topsoil, OB & mineral reject dumps	In between UTM co-ordinates Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 & (ii) N1666500 to N1667500 and E180000 to E181000 Topsoil: N1667001 to N1667240 and E180030 to E180490	In between UTM co-ordinates Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 & (ii) N1666500 to N1667500 and E180000 to E181000 Topsoil: N1667001 to N1667240 and E180030 to E180490	-
4c	Number of dumps within lease area and outside lease area	No proposal.	Nil.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	02 nos. of reject stocks and 01 no. of topsoil stock are situated within ultimate pit limit.	-
4e	Number of active & alive dumps	No proposal.	Nil.	-
4f	Number of dead dumps	No proposal.	Nil.	-
4g	Number of dumps stabilized	No proposal.	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 on waste dump management.	Nil.		

5.0 Solid Waste Management-Backfilling

S.N.	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 proposal.	Nil.	-
5b	Area under backfilling of mined out area	No proposal.	Nil.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal.	Nil.	-
5d	Total area fully reclaimed & rehabilitated	No proposal.	Nil.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Nil.		

6.0 Progressive Mine Closure Plan

S.N.	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 23E(2). 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.	Annual report on PMCP for F.Y. 2023-24 has been submitted before due date.	The given information has been cross verified during inspection.
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.	Nil.	-
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	No proposal.	Nil.	-

	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	1750 nos. 0.70 Ha. By plantation	5330 nos. 2.13 Ha. By plantation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for regular monitoring of the environmental parameters in the core and buffer zone.	Being done as per proposal.	All the parameters are within the permissible limits.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Nil.		

7.0 Mineral Conservation

S.N.	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.	-
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	No Proposal.	NIL.	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil.		

8.0 Environment

S.N.	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
8a	Separate removal and	No proposal.	Nil.	-

	utilization of topsoil (Rule 32)			
8b	Concurrent use or storage of topsoil	No proposal.	Nil.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	<p>Proposal has been given in the approved document for separate stacking of mineral rejects and topsoil in between UTM Co-ordinates</p> <p>Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 & (ii) N1666500 to N1667500 and E180000 to E181000</p> <p>Topsoil: N1667001 to N1667240 and E180030 to E180490</p>	<p>Separate stacking of mineral rejects and topsoil have been done in between UTM co-ordinates</p> <p>Mineral-reject: (i) N1669500 to N1670500 and E178000 to E1179500 & (ii) N1666500 to N1667500 and E180000 to E181000</p> <p>Topsoil: Topsoil: N1667001 to N1667240 and E180030 to E180490</p>	-
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)	No proposal.	Nil.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1750 nos. of saplings will be planted over 0.70 Ha. area.	5330 nos. of saplings has been planted over 2.13 Ha. area.	-
8g	Survival rate	90%	Approx 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	Nil.		

	around mines area	
--	-------------------	--

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to November 2024 A.R. Submitted up to F.Y. 2023-24	Nil.

S.N.	Item	Details GIVEN in A.R. F.Y. 2023-24	Observation of I/Officer F.Y. 2023-24	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager: Shri K. Amaranatha Reddy Mining Engineer: Shri K. Amaranatha Reddy Geologist: Shri A. Jagan Mohan Reddy	Manager: Shri K. Amaranatha Reddy Mining Engineer: Shri K. Amaranatha Reddy Geologist: Shri A. Jagan Mohan Reddy	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 41.36 Ha. Waste/reject- Nil. Others- 2.09 Ha.	Pit: 41.36 Ha. Waste/reject- Nil. Others- 2.09 Ha.	Nil.
9d	Scrutiny of Annual return on afforestation	Within ML: 5330 nos. with 92% survival rate. Outside ML: Nil	Within ML: 5330 nos. with approx. 92% survival rate. Outside ML: Nil	Nil.
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	Closing Stock ROM: Nil. Cement Grade Limestone: Nil.	Closing Stock ROM: Nil. Cement Grade Limestone: Nil.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale value: Rs. 0.0 Ex-mine Price: Rs. 211.06 Per Metric Tonne Cost of	Sale value: Rs. 0.0 Ex-mine Price: Rs. 211.06 Per Metric Tonne Cost of Production: Rs. 211.06 Per	Nil.

		Production: Rs. 211.06 Per Metric Tonne	Metric Tonne	
9i	Scrutiny of Annual return on fixed assets	Rs. 200104516/-	Rs. 200104516/-	Nil.
9k	Scrutiny of Annual return on mining machineries	1. Backhoe 01 nos. with 6.50 CuM bucket capacity. 2. Dumpers 03 nos. with 55.0 Tonnes capacity. 3. Dozer 01 nos. with 416 HP capacity. 4. Water Tanker 01 no. 28KL carrying capacity. 5. Blast host drill 01 no. with 150.0 mm bit diameter.	1. Backhoe 01 nos. with 6.50 CuM bucket capacity. 2. Dumpers 03 nos. with 55.0 Tonnes capacity. 3. Dozer 01 nos. with 416 HP capacity. 4. Water Tanker 01 no. 28KL carrying capacity. 5. Blast host drill 01 no. with 150.0 mm bit diameter.	Machinery log books has been cross verified during inspection.

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

No major deviation has been pointed out.

(Name of inspecting officer with designation and date)

**Shaival Kartikeya
Senior Mining Geologist
Date of Inspection 20/11/2024**