

MCDR INSPECTION REPORT**GENERAL**

S.NO	Particulars	Details
1	Name of inspecting officer & designation	Shri. D.P. Ravi Kumar, Junior Mining Geologist, Indian Bureau of Mines, Hyderabad
2	Accompanying Mine Official with Designation	Shri. K.N. Sidda Reddy. Mines Agent & VP - Mines
3	Date of inspection	18.12.2024
4	Name of the Mine	Petnikota Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Lease area – 912.797 Ha Non-forest Land – 912.797 Ha Forest Land – Nil
6	Mine Code	38APR11132
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	Petnikota (V)
10	Taluka / Mandal / District	Kolimigundla Madal, Nandyal District
11	State	Andhra Pradesh
12	Post office & PIN	Petnikota & 518 123
13	Nearest police station	Kolimigundla
14	Nearest Railway station	Tadipatri
15	Date of Grant of Mining Lease	G.o.MS.No : 222 dated: 22.07.2003
16	Date of Execution	27.04.2004
17	Date of opening of Mine	25.03.2023
18	Date of first Renewal, if applicable and its period & expiry	Mining Lease has been Transferred from Grasim Industries Limited to M/s UltraTech Cement Limited as per GO. No: 89 Dt:27.12.2022.
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@adityabirla.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 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
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Kadiyala Gopi. M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: kadiyala.gopi@adityabirla.com Phone No: 9652545643 Date of appointment: 10.05.2024
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax	Shri. Kadiyala Gopi. Qualification: B. Tech Mining Engineering with First Class Mines Manager Competency Certificate holder.

	number and date of appointment in mine	Experience: 14.5 Years M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M) Anatapur (Dt.) Email id: kadiyala.gopi@adityabirla.com Phone No: 9652545643 Date of appointment: 10.05.2024
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri. Dileep Thumpati Qualification: M.Sc.Tech (Applied Geology) Experience: 12 Years M/s. UltraTech Cement Limited Bhogasamudram (V&P), Tadipatri (M), Anatapur (Dt.) Email id: dileep.thumpati@adityabirla.com Phone No: 9490026305 Date of appointment: 27.08.2024
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan vide letter no. AP/KNL/Lst-214/Hyd dated 14.03.2023 For the period: from 2022-23 to 2023-24
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Approved Mining Plan vide letter no. AP/KNL/Lst-214/Hyd dated 19.12.2023 For the period: from 2024-25 to 2028-29 -
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 4.0 MTPA: Lt. no. IA-J-11015/243/2008-IA. II (NCM) Dt.: 14.05.2009. EC amendment the Environmental Clearance order dated.09.02.2010, 2.00 MTPA limestone to supply to its sister concerns M/s. Ultra Tech Cement Ltd till the commencement of the plant. Further, Environment Clearance amended with respect to reduction in the mine lease area from 951.848 Ha. to 912.797 Ha. and also obtained transfer of EC from M/s. Grasim Industries Ltd. to M/s. Ultra Tech Cement Ltd. from MoEF, Govt of India vide orders dated.20.11.2023.
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Financial Assurance has been submitted vide letter no: UTCL/PLM/23-24/1472 dt: 26.10.20 24 Rs.1,79,50,000/-

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

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2023-24.	None	Entire mineralised area has been explored under G1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	5 Holes	5 Holes – 326.5 Meters	The entire ML area has been explored in G1 Category. Geological Report has been submitted vide letter no. UTCL/PLM/GSR/2024-25/001 dt: 21.05.2024

1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	Natural Resources Development Co-Operative Society Ltd & Expenditure Amount in Rs. 6,22,128/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 01.04.2024 (in Tonnes)		Total reserves :as on 01.04.2024=136 817782 t	Nil
1f	General remarks of inspecting officer on geology, exploration etc.		The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has complied with the provisions of MCDR,2017 pertaining to drilling/exploration.

2.0 Development

SN	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: 183503-183558 N: 1667859-1667917	Development carried out between the grid location as proposed.	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Proposed 3500 m3	400 M3	Top soil has been dozed and formed as safety bund all along the working pit.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	None
2d	Quantity of topsoil generation in m3	3500 M ³	400 M ³	Top soil has been dozed and formed as safety bund all along the working pit.
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		Development is carried out by opencast mining method as proposed	Development is carried out by opencast mining method as proposed.

3.0 Exploitation

SN	Item	Proposals F.Y. 2023-24	Actual work F.Y. 2023-24	Remarks
3a	Number of pits proposed for production	One	one	Nil
3b	Quantity of ROM mineral production proposed	10,000 MT	8,000 MT	Nil
3c	Recovery of salable/usable mineral from ROM production	It was proposed to use the entire ROM for the cement plant.	Same was noticed during the inspection	No deviation.
3d	Quantity of mineral reject generation	No proposals	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	No proposals	Nil	Nil
3f	Quantity of sub-grade mineral generation	Not applicable	Nil	Nil
3g	Grade of sub-grade mineral generation	Not applicable	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Nil	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Blast hole drill dia: 150 mm Non- Permitted Slurry Explosives (Large Diameter)	Not carried out, since the top layer is having the soft nature, hence drilling and blasting.	During the mining operations the top layer is having the soft nature, hence drilling and blasting had not been carried out.
3k	Provision of mining machineries in mineral benches	Back Hoe Dumper – 25 T Ex-210 LC D155 Water Tanker	same was noticed during the inspection.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 5 Mtrs	same was noticed during the inspection.	No deviation.
3m	Total area covered under excavation/pits	8.36 Ha	7.20 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	35.90 Ha	28.37 Ha	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	2019-20: 0 2020-21: 0 2021-22: 0 2022-23: 1,000 t 2023-24: 10,000 t	2019-20: 0 2020-21: 0 2021-22: 0 2022-23: 500 t 2023-24: 8,000 t	Nil
3q	General remarks of inspecting officer on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.	production is carried out from one pit by opencast mining method as proposed.

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)	It was proposed to top soil will be used for greenbelt development .	Top soil has been dozed and formed as safety bund all along the working pit.	No deviation.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	No OB generation and top soil will be used for green belt development.	No OB generated during the mining operations and top soil has been dozed and formed as safety bund all along the working pit.	Nil
4c	Number of dumps within lease area and outside lease area	No proposals	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	No proposals	Nil	Nil
4e	Number of active & alive dumps	No proposals	Nil	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilised	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	No proposals	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No proposals	Nil	Nil
4j	Number of settling ponds	No proposals	Nil	Nil
4k	Specific comments of inspecting officer		No dumps are there within or outside the mining lease as on date of inspection.	No dumps are there within or outside the mining lease as on date of inspection.

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	There is no proposal for reclamation during the year 2023-24.	No area mature for reclamation purpose during the year 2023-24	No deviation.
5b	Area under backfilling of mined out area	No Proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	No Proposal.	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal.	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc		No area matured for reclamation purpose during the year 2023-24.	No area matured for reclamation purpose during the year 2023-24.

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.	PMCP report to submitted before 1 st July	Submitted	No deviation.
6b	Management of worked/mined out benches	No proposal	Nil	Nil
	i) Area available for rehabilitation (ha)	No proposal	Nil	Nil
	ii) Afforestation done (ha)	No proposal	Nil	Nil
	iii) No. of saplings planted during the year	No proposal	Nil	Nil
	iv) Cumulative no. of plants	No proposal	Nil	Nil
	v) Any other specific method of rehabilitation	No proposal	Nil	Nil
6c	vi) Cost incurred on watch & care during the year	No proposal	Nil	Nil
	Compliance on reclamation and rehabilitation by backfilling	No proposal	Nil	Nil
	i) Voids available for backfilling (L X B X D)	No proposal	Nil	Nil
	ii) Void filled by waste/tailings	No proposal	Nil	Nil
	iii) Afforestation on the backfilled area	No proposal	Nil	Nil
	iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6d	v) Any other specific means	No proposal	Nil	Nil
	Compliance of Rehabilitation of waste land within lease	No proposal	Nil	Nil
	i) Afforestation	No proposal	Nil	Nil
6e	ii) Area rehabilitated (ha)	No proposal	Nil	Nil
	iii) Method of rehabilitation	No proposal	Nil	Nil
6e	Compliance of Environmental monitoring (core zone & buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Environmental Monitoring is being carried out quarterly in core zone as well as buffer zone.	No deviation.
6f	General remarks of inspecting officer on PMCP compliance & progressive		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation.

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	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed during the inspection	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	There is no proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
7c	Different grade of mineral sorted out at mines	Not applicable	Not applicable	Nil
7d	Any beneficiation process at mines	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	No deviation noticed

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)	3500 M ³	400 M ³	Top soil has been dozed and formed as safety bund all along the working pit.
8b	Concurrent use or storage of topsoil	It was proposed to top soli will be used for development of Greenbelt.	Top soil has been dozed and formed as safety bund all along the working pit.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No proposal	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil

8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	Greenbelt: 0.2 Ha. 500 saplings.	Greenbelt: 0.2 Ha. 500 saplings.	No deviation.
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul roads for dust suppression is proposed.	Same was noticed during the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are		Lessee is implementing all the measures related to maintaining environmental balance.	Aesthetic beauty in and around the mines area is maintained.

9.0 Compliance of Rule 45

S.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	Monthly and Annual returns being submitted within the timelines	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager cum Mining Engineer =Shri Y.Ramanjula Reddy Geologist =Shri P. Dileep	found to be in order.	No deviation
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	28.37 Ha.	28.37 Ha.	No deviation
9d	Scrutiny of Annual return on Afforestation	500 saplings	500 saplings	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	found to be in order.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	604.16 Rs/MT	604.16 Rs/MT	No deviation
9i	Scrutiny of Annual return on fixed assets	Rs. 269683707	Rs. 269683707	Nil
9k	Scrutiny of Annual return on mining machineries	1) Shovel (hydraulic),=01no. 2) Dumper=04 nos. 3) Tipper =04 nos. 4) Dozer= 01 no. 5) Blast host drill=01 no. 6) Water tanker=01	found to be in order.	Nil

Details of violations observed during current inspection and compliance position of earlier violation pointed out:					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Nil					

Date: 01.01.2025

(D.P.RAVILUMAR)
Junior Mining Geologist

(Name of inspecting officer with designation and date)