

**MCDR INSPECTION REPORT****General**

S. N.	Particulars	Details
1	Name of the Mine	Century Cement Limestone Mine
2	Date of Inspection:	26.11.2024
3	Name of Inspecting Officer	Shri S. K. Mahapatra, (Assistant Controller of Mines)
4	Name of official accompanying inspection	Shri Ashok Kumar Sinha, Agent & Shri R. P. S. Bhatia, Mines Manager
5		
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest: 74.843 Ha <u>Forest</u> : 00.00 Ha. Total : 74.843 Ha.
7	Minecode	38CHG14024
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/441/2011
9	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Limited, Unit: Baikunth Cement Works PO: Baikunth-493116, Dist.- Raipur(C.G.) Tel. No.: 07721 261222 Email: utcl_bcw.mines@adityabirla.com
10	Village	Tandwa & Bahesar
11	Taluka/Mandal	Tilda
12	District	Raipur
13	Pin code	493116
14	State	Chhattisgarh
15	Post office	Baikunth
16	Nearest police station	Tilda
17	Nearest Railway station	Tilda
18	Date of Grant of Mining Lease	17.09.2002
19	Date of Execution	30.09.2002
20	Date of opening of Mine	01.07.2004
21	Lease period & expiry	30.09.2002 to 29.09.2052
22	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K. C. Jhanwar M/s. UltraTech Cement Limited, Ahura Centre, B Wing 2nd Floor, Mahakali Caves Road, Andheri( E ) , Mumbai- 400093 Email: <a href="mailto:kailash.jhanwar@adityabirla.com">kailash.jhanwar@adityabirla.com</a> Date of appointment: 01.10.2019
23	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Ashok Kumar Sinha M/s. UltraTech Cement Limited, Unit: Baikunth Cement Works PO: Baikunth-493116, Dist.- Raipur(C.G.) M. No.: 9424207037 Email: <a href="mailto:utcl_bcw.mines@adityabirla.com">utcl_bcw.mines@adityabirla.com</a> Date of appointment: 01.09.2023

24	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri R. P. S. Bhatia M/s. UltraTech Cement Limited, Unit: Baikunth Cement Works PO: Baikunth-493116, Dist.- Raipur(C.G.) M. No.: 942552611 Email: <a href="mailto:utcl_bcw.mines@adityabirla.com">utcl_bcw.mines@adityabirla.com</a> Date of appointment: 01.10.2019
25	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri L. Madhusudan Reddy Qualification: B.E. (Mining) Total experience: 20 years Address: M/s. UltraTech Cement Limited, Unit: Baikunth Cement Works PO: Baikunth-493116, Dist.- Raipur(C.G.) Date of appointment: 09.06.2023
26	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Ms. Disha Shetgaonkar Qualification: MSC Geology Total experience: 16 years Address: M/s. UltraTech Cement Limited, Unit: Baikunth Cement Works PO: Baikunth-493116, Dist.- Raipur(C.G.) Date of appointment: 21.02.2023
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Yes.
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	12.11.2018 From 01.04.2019 to 31.03.2024
29	Mineral(s) granted in lease and proved for mining	Limestone
30	Method of Mining(Open cast, Underground)	Open cast
31	Category (Fully Mechanised, Others or Manual)	Fully Mechanized
32	Captive/Non Captive	Captive
33	Present EC Status	EC is granted for 1.8 Million Ton per annum Limestone production.
34	Status of Financial Assurance	Financial Assurance of Rs 1,63,00,000.00 by way of bank Guarantee which were valid up to 31.03.2029.

**Exploration**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
1a	Backlog of previous year	N.A.	N.A.	
1b	Exploration over lease area for Geological axis 1 or 2.	N.A.	N.A.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	N.A.	N.A.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	N.A.	
1e	Balance reserves as per latest approved document	Under 111:9.27 MT Under 211:5.90 MT		
1f	General remarks of inspecting officer on geology, exploration etc.	The Mines is fully explored. G1 category Non mineralized area 20.33 ha.		54.513 ha.

**Development**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
2a	Location of development w.r.t. lease area	2379018-581616 2379590-582865	2379018-581616 2379504-582509	Location deviation observed.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes 1 in OB 3 in Ore	Yes 1 in OB 3 in Ore	
2c	Stripping ratio or ore to OB ratio	1:0.16	1:0.202	
2d	Quantity of topsoil generation in m3	15389 m3	660 m3	
2e	Quantity of overburden generation in m3	201685 m3	100167m3	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	During inspection location deviation of the excavation area observed from the approved area. Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 10.01.2025.		

**EXPLOITATION**

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	1200000 T	495411.18 T	
3c	Recovery of salable/usable mineral from ROM production	1200000 T	495411.18 T	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	reject is below 34% CaO. As per mining plan Threshold value of	NA	

		limestone is 34%	
3f	Quantity of sub-grade mineral generation	Nil	Nil
3g	Grade of sub-grade mineral generation	34-38% CaO 3.5-5% MgO	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	-	
3j	Provision of drilling & blasting in mineral benches	Drill – 152 mm dia Slurry & Emulsion Explosive	Drill – 152 mm dia Slurry & Emulsion Explosive
3k	Provision of mining machineries in mineral benches	Yes	Yes
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes OB: 0.5 to 3 m Ore: 8 to 10 m	Yes OB: 0.5 to 3 m Ore: 8 to 10 m
3m	Total area covered under excavation/pits	23.91 Ha at the end of plan period (31.03.2025)	17.77 Ha
3n	Ore to OB ratio for the pit/mine during the year	1:0.16	1:0.202
3o	Total area put in use under different heads at the end of year	Area covered under O-C working: 24.91 Ha. Road-0.80 Area occupied by infrastructure and roads: 0.2 Ha	Area covered under O-C working: 17.77 Ha. Area occupied by infrastructure and roads: 1 Ha
3p	Production of ROM mineral during last six-year period, as applicable		
	2019-20	1200000	1121541
	2020-21	1200000	1096910
	2021-22	1200000	466747
	2022-23	1200000	723905
	2023-24	1200000	495411.18
3q	General remarks of inspecting officer on method of	This is a captive mine. Due to low market demand the plant was not working up to its full capacity so less production carried during the year 2023-24. However, for cite deviation of excavated area, Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 10.01.2025.	

**Solid Waste management-Dumping**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
4a	Separate dumping of topsoil, OB & mineral reject (Rule 33, 37)	Not proposed. Only backfilling proposed.	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of dumps within lease area and outside lease area	2(within the ML)	2(within the ML)	Stabilized by plantation
4d	Location of dumps w.r.t. ultimate pit limit	Outside the UPL	Outside the UPL	
4e	Number of active & alive dumps	No active dumps	No active dumps	
4f	Number of dead dumps	Not proposed	2	Stabilized by plantation
4g	Number of dumps stabilized	Not proposed	2	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	Garland Drain:50 m Retaining wall: 80 m	Garland Drain:50 m Retaining wall: 80 m	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	Dumps located out side ultimate pit limit. Garland drain and retaining wall maintained. Stabilized by plantation.		

**Solid Waste management-Backfilling**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling proposed	Backfilling not carried as proposed.	Violation of Rule 11(1) of MCDR 2017 issued.
5b	Area under backfilling of mined out area	0.5 Ha	0.1 Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposed to use in plantation	Top soil used in plantation	
5d	Total area fully reclaimed & rehabilitated	Reclaimed & rehabilitated: 0.8 Ha	Reclaimed & rehabilitated: 0 Ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 10.01.2025 for non-carrying out of backfilling as proposed .		

**Progressive Mine Closure Plan**

N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Yes Dated: 28.06.2023	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (ha)	i) 0.8 Ha.	i) 0.0 Ha	
	ii) Afforestation done (ha)	ii) 0.5 Ha.	ii) 0.5 Ha	
	iii) No. of saplings planted during the year	iii) 1000 nos.	iii)1000 nos.	
	iv) Cumulative no. of plants			
	v) Any other specific method of rehabilitation	iv) Afforestation	iv)Afforestation	
	vi) Cost incurred on watch & care during the year	v) Nil	v)	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L X B X D)	Backfilling	Backfilling	
	ii) Void filled by waste/tailings	0.8 Ha	0.1 Ha	
	iii) Afforestation on the backfilled area	-	-	
	iv) Rehabilitation by making water reservoir	-	-	
	v) Any other specific means			
6d	Compliance of Rehabilitation of waste land within lease	No Proposal	Nil	
	i) Afforestation			
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring proposed	Environmental monitoring carried out. Air quality, Surface Water, Ground water & Noise level monitoring carried out. All parameters are within limits	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	Violation of Rule 11(1) of MCDR 2017 issued vide letter dated 10.01.2025 for non-carrying out of backfilling as proposed .		

**Mineral Conservation**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for sorting. Total ROM is Being utilized	No grade wise sorting is practiced as total ROM is being utilized	All ROM is dispatched to Plant
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There was no proposal for mineral beneficiation during the reporting year. Mineral dispatched from the lease area to the captive plant.		

**Environment**

S.N.	Item	Proposals for, 2023-24	Actual work during 2023-24	Remark
8a	Separate removal and utilization of topsoil (Rule 36)	Yes	Yes	Utilized in plantation
8b	Concurrent use or storage of topsoil	Utilize	Utilized for plantation	Utilized in plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Only backfilling proposed	Backfilling continued.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	By backfilling	By backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.5 Ha	0.0 Ha	
8f	Baseline information on existence of plantation & additional Plantation done	At the beginning the land was barren with few trees	At present 45969 trees have been planted	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling by water tanker over haul roads has been carried out.	One dedicated water tanker of 9 KL deployed to carried out water sprinkling over haul roads
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in & around the mine area was good.		

**Compliance of Rule 45**

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Oct 24 A.R. Submitted up to 2023-24		
S.N.	Item	Details given in A.R. for the year 2023-24	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Appointed. Shri L Madhusudan Reddy Geologist: appointed. Ms. Disha Shetgaonkar Manager: appointed. Shri R P S Bhatia.	Mining Engineer and Geologist appointed were present during inspection	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area covered under O-C working: 17.77 Ha. Area reclaimed & rehabilitated: 2.58 Ha Dump area: 1.826 Ha Top soil Dump: 0.153 Ha Area occupied by infrastructure and roads: 1 Ha	As reported in AR 2023-24	
9d	Scrutiny of Annual return on afforestation	No of trees planted: 1000	As reported in AR 2023-24	Found to be in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral reject: 0	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: 495411.18 No Stock	As reported in AR	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- mine price Rs. 375.29 per ton		
9i	Scrutiny of Annual return on fixed assets	Rs. 237755085	As reported in AR	
9k	Scrutiny of Annual return on mining machineries	Shoval-4 Dumper-5 Rock drilling machine-1 Dozer-1 Explosive van-1 Front end loader-2	As reported in AR 2023-24	

**10. Drone Survey Information and data thereof.**

Drone survey data was submitted online before 30.06.2024. 2024 (Drone survey management data) in the IBM portal for the reporting year 2023-24 and as per norms.

**11. Status of compliance of MCDR, 2017 including therewith the rectification of outstanding violation of the rules.**

- (i) No violation was pointed during previous inspection.
- (ii) Violation of Rule 11(1) & 31(4) pointed during current inspection and violation letter issued on 10.01.2025.

Date: 16.01.2025

( संजय कुमार महापात्र )  
सहायक खान नियंत्रक  
भारतीय खान ब्यूरो