

**MCDR Data Base**

<b>Sl.N</b>	<b>PARTICULARS</b>	<b>DETAILS</b>
1	File No.	CHG/BSTLst-13/ Raipur
2	Mine Code	38CHG14024
3	IBM registration number under Rule 45 of MCDR, 2017	IBM/4952/2011
4	Name of the mine	Century Cement Limestone Mine
5	Name & Designation of the inspecting officer	Shri D.Dash, Senior Mining Geologist
6	Date of Inspection	20.12.2022
7	Date of Last Inspection & Officer	18.06.2021, Shri B.L. Gurjar, RCOM
8	Accompanying mine official with designation	Shri R P S Bhatia, Manager (Mines)
9	Name of the Mine	Century Cement Limestone Mine
10	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non forest land - 74.843 H., Forest land - Nil Total 74.843 H.
11	Name of the lessee, Address, phone, email and fax number	M/s. UltraTech Cement Ltd, Baikunth Cement Works,PO: Baikunth – 493 116, Distt. Raipur (C.G.) Tel.No. – 07721-261222, utcl_bcw.mines@adityabirla.com
12	Village	Bahesar & Tulsei
13	Taluka/Mandal	Tilda
14	District	Raipur
15	Pincode	493116
16	State	Chhattisgarh
17	Post office	Baikunth
18	Nearest police station	Tilda-Neora
19	Nearest Railway station	Tilda-Neora
20	Date of Grant of Mining Lease	17.09.2002
21	Date of Execution	30.09.2002
22	Date of opening of Mine	01.07.2004
23	Date of first Renewal, if applicable and its period & expiry	NA
24	Date of second Renewal, if applicable and its period & expiry	NA
25	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
26	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 2 <sup>nd</sup> Floor, Mahakali Caves Road, Andheri (E) Mumbai-400093 Email-kailash.jhanwar@adityabirla.com

		Date of appointment – 15.09.2018
27	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri B.P.Mishra, Ultratech Cement Limited, Baikunth Cement Works PO: Baikunth – 493 116, Distt. Raipur (C.G.), Email – utcl_bcw.mines@adityabirla.com M.No. – 9424207037, Date of appointment – 01.08.2004
28	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri R P S Bhatia, Ultratech Cement Limited, Baikunth Cement Works, PO: Baikunth – 493 116, Distt. Raipur (C.G.), Email – utcl_bcw.mines@adityabirla.com M.No. – 942552611, Date of appointment – 11.10.2006
29	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Manoj Kumar Verma, Bachelor in Mining Engg Total experience – 15 years , Ultratech Cement Limited, Baikunth Cement Works, PO: Baikunth – 493116, Distt. Raipur (C.G.) M.No.- 9753872820, Email – anojkumar.verma@adityabirla.com Date of appointment – 13.09.2021
30	Name of the Geologist , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Narendra Kumar Payasi, M.Tech in applied Geology Total experience –15 years ; Ultratech Cement Limited, Baikunth Cement Works, PO: Baikunth – 493116, Distt. Raipur (C.G.) M.No.-9424781701 Email –narendra.payasi@adityabirla.com Date of appointment – 16.10.2008
31	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
32	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. 314(3)/2000-MCCM ©/MP-18 dated 23.04.2001 for the period from 2004-05 to 2008-09
33	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1 <sup>st</sup> Scheme of Mining plan was approved vide letter no. 314(3)/20008-MCCM ©/S-33 dated 17.07.2009 for the period from 2009-10 to 2013-14 2 <sup>nd</sup> Scheme of Mining Plan was approved vide letter no. RPR/LST/MPLN-737/NGP dated 11.06.2014 for the period from 2014-15 to 2018-19 3 <sup>rd</sup> Review of Mining Plan was approved vide letter no. RPR/LST/MPLN-1178/2018/Raipur dated 12.11.2018 for the period from 2019-20 to 2023-24.
34	Mineral(s) granted in lease and proved for mining	Limestone
35	Method of Mining (Opencast, Underground)	Opencast

36	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
37	Captive/Non Captive	Captive
29	EC for ROM Prod: Date of Issue:	EC is granted for 1.8 million tonnes per annum for limestone mining (for both 237.003 ha and 74.843 ha together), date of issue: 16.04.2007 valid up to 29.09.2032
30	FA amount Rs Valid up to:	The lessee has submitted Financial Assurance of Rs. 1,86,77,000/- by way of bank guarantee valid up to 31.03.2024

### 1. Exploration

SN	ITEM	PROPOSALS	SN	ITEM
1a	Backlog of Previous Year	Nil	Nil	No exploration is proposed.
1b	Exploration Over Lease area for Geological Axis 1 or 2	Nil	Nil	The entire lease area is considered as covered under G1 scale of exploration.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	-do-
1d	Balance area to be explored to bring Geological axis 1 or 2	Nil	Nil	-do-
1e	Balance reserves as on 01/04/2022 (million tonnes)	111 : 2.485	111 : 3.841	Indicates less depletion of ore during the planned period.
1f	General remarks of inspecting officer on geology, exploration etc.	The lease area has been explored through drilling of 114 boreholes with total meterage of 2825.5 m. covering the entire lease area under G1 scale of exploration up to 235mRL establishing a strike length of 1010m. Therefore, no further exploration was propose during the planned period of approved Mining Plan.		

### 2. Development

2a	Location of development w.r.t. lease area	582297E to 582509E And 2379368N to 2379519N	581616E to 582455E and 2379018N to 2379495N	As per proposal
2b	Separate benches in topsoil, overburden and mineral	1 Bench for OB 3 Bench for Ore	1 Bench for OB 3 Bench for Ore	As per proposal

2c	Stripping ratio or ore to OB ratio (Ton/Ton)	1:0.140	1:0.355	Indicates higher handling of waste than proposed.
2d	Quantity of topsoil generation in m3	4592	3895	Top soil are stacked for plantation purpose.
2e	Quantity of overburden generation in Ton	1,69,017	1,65,902	As per approved plan OB/IB considered
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The location of development is per proposal. Stripping ratio is on higher side indicating higher waste handling than proposed in comparison to production of run of mine ore.		

### 3. Exploitation

3a	Number of Pit Proposed for Production	One	One	As per proposal.
3b	Quantity of ROM mineral production proposed (tonnes)	1,33,2281	4,66,747.45	Production is on lower side due to less demand from captive plant.
3c	Recovery of Sailable/ Usable Mineral from ROM Production	12,00,000	4,66,747.45	Entire run of mine ore is fed to crusher .
3d	Quantity of mineral reject generation	1,32,281	Nil	cut-off grade and threshold grade is considered same and limestone up to threshold grade is consumed.
3e	Grade of mineral reject generation and threshold value declared	-----	Nil	No generation reported.
3f	Quantity of sub-grade mineral generation	Nil	Nil	No generation reported.
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanized method adopted for segregating from ROM	NA	NA	No segregation was done
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	No	Not required for Limestone.
3j	Provision of drilling & blasting in mineral	Deep hole drilling and blasting proposed	Is being done as proposed	

	benches			
3k	Provision of mining machineries in mineral benches	Deployment of HEMM proposed	Done as proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB – 0.5-3.0 M ORE- 6-10 M.	OB – 0.5-3.0 M ORE- 6-10 M.	As per proposal.
3m	Total area covered under excavation/pits	Not specific.	19.24Ha	Lower than proposed considering less development.
3n	Ore to OB ratio for the pit/mine during the year (Ton/Ton)	1:0.140	1:0.355	Indicates higher waste handling.
3o	Total area put in use under different heads at the end of year	Not specific.	Already exploited & abandoned by- Nil opencast (O/C) mining Covered under current (O/C) Workings-19.24Ha Reclaimed/Rehabilitated- 2.77Ha Used for waste disposal- Nil Occupied by plant, buildings, residential, welfare buildings & roads-1.0Ha Other Purpose-0.15Ha Work done under progressive mine closure plan during the year-0.5Ha	Different heads given as per annual return
3p	Production of ROM mineral during last five-year period, as applicable Yr-2017-18 Yr-2018-19 Yr-2019-20 Yr-2020-21 Yr 2021-22	6,48,000 T 6,76,000 T 12,00,000 T 12,00,000 T 12,00,000 T	6,47,904.90 T 4,98,712.76 T 11,21,541.46 T 10,96,910.08 T 4,66,747.45 T	The production from the mine is on lower side than proposed as per demands from the captive cement plant.
3q	General remarks of inspecting officer on method of mining etc.	The production of Limestone from the mine is on lower side as per demands from the captive cement plant.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
<b>A. SOLID WASTE MANAGEMENT - DUMPING:-</b>				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects (Rule 32,33)	One	One	Only one top soil dump and all Waste are being dumped in Backfilling area.
4b	Location of Topsoil, OB and Mineral Rejects Dumps	2379271N -2379337N 581832E-581915E	2379271N -2379337N 581832E-581915E	As proposed.
4c	Number of Dumps within Lease & Outside Lease area	2 (Within ML)	2 (Within ML)	One waste dump has been rehabilitated by plantation
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	On earmarked sites (Outside ultimate pit limit)	As per plan (Outside ultimate pit limit)	
4e	Number of Active & Alive Dumps	Active dump 01	Active dump 01	Active dump is Top soil stack.
4f	No of Dead Dumps	01	01	01 waste Dump has been rehabilitated by plantation
4g	No of Dumps Established	01	01	As proposed.
4h	Whether Retaining Wall or Garland drain along Dumps are there	Yes	Yes	
4i	Length of Retaining Wall or Garland drain along Dumps	Garland drain-300 m. Retaining wall-41m	Garland drain-226m. Retaining wall-75m	Violation of 11 (1) of MCDR, 2017 is pointed out.
4j	No. of Settling tanks	01	01	
4k	Specific comments of inspecting officer on waste dump management	In lease area, only top soil stacking proposed. On waste dump has been rehabilitated by plantation. Against proposed garland drain of 300m, around waste dump only 226 m of garland drain is constructed during the year 2021-22. Violation of 11(1) of MCDR, 2017 is pointed out.		

Sl. No	Item	Proposals	Actual Work	Remarks
<b>B. SOLID WASTE MANAGEMENT - BACKFILLING:-</b>				
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	Mined out area	Before starting backfilling absence of mineral has been proved.	Done as proposed.
5b	Area under backfilling of mined out area	0.5 H	0.40 H	Backfilling area is marginally on lower side.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule	yes	Yes	Used for rehabilitation

	32)			
5d	Total area fully reclaimed and rehabilitated	Reclaim-0.5H Rehabilitation – 0.5H	Reclaimed - 0.4 H Rehabilitated – 0.5H	Done as proposed.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling of mined out area is proposed. During the year 2021-22, 0.4 ha area has been backfilled against proposed backfilling of 0.5 ha. Since the achievement is marginally lower, no violation is pointed out.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
<b>C. PROGRESSIVE MINE CLOSURE PLAN:-</b>				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	On time	Yes- Submitted on time	
6b	Management of worked/mined out benches			Plantation has been done on backfilled area as proposed.
	i) Area available for rehabilitation (ha)	0.5 ha	0.5 ha	
	ii) Afforestation done (ha)	0.5 ha	0.5 ha	
	iii) No. of saplings planted during the year	1000	1010	
	iv) Cumulative no. of plants	3000	4315	
	v) Any other specific method of rehabilitation	Nil	Nil	
	vi) Cost incurred on watch & care during the year	Not specific	Not furnished.	
6c	Compliance on reclamation and rehabilitation by backfilling			During the year, 0.4 ha area has been backfilled .
	i) Voids available for backfilling (L X B X D)	i) Nil	i) Nil	
	ii) Void filled by waste/tailings	ii) 0.5 ha	ii) 0.4 ha	
	iii) Afforestation on the backfilled area	iii) 0.5Ha(1000Nos)	iii) 0.5Ha	
	iv) Rehabilitation by making water reservoir	iv) Nil	iv) (1010Nos)	
	v) Any other specific means	v) Nil	v) Nil	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	No proposal.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Within permissible limit	Complied	AAQMS & noise survey done monthly and fugitive quarterly
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mined out area is simultaneously backfilled. Plantation has been done backfilled area as proposed.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
<b>D. MINERAL CONSERVATION:-</b>				
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch	ROM being dispatched	No Sorting. All the ROM is dispatched to plant
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	No sorting of mineral grade-wise proposed.	No sorting of mineral grade-wise done.	
7c	Different grade of mineral sorted out at mines	No grade of mineral sorted at mines	No grade of mineral sorted at mines	
7d	Any beneficiation process at mines	No-beneficiation	No-beneficiation	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The run of mine ore is directly dispatched after sizing in crusher.		

Sl. No	Item	Proposals 2021-22	Actual Work 2021-22	Remarks
<b>E. ENVIRONMENT:-</b>				
8a	Separate removal and utilization of topsoil	Yes	Yes	Topsoil is separately stacked and used for plantation
8b	Concurrent use or storage of topsoil	Use for afforestation & stored	Use for afforestation & stored	
8c	Separate dumps for overburden, waste rock, rejects and fines	Nil	Nil	All waste generate are dumped in Backfilling area

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	For backfilling	For backfilling	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling – 0.5 H	Backfilling – 0.4H	Backfilling area is marginally lower than proposed.
8f	Baseline information on existence of plantation & additional plantation done	2019-20 - 1000 nos 2020-21 - 1000 nos 2021-22 - 1000 nos	2019-20 - 2015 nos 2020-21 - 1290 nos 2021-22 - 1010 nos  Cumulative- 4315 nos	
8g	Survival rate	-	95.3%	
8h	Water sprinkling on roads to control airborne dust		73 Nos. sprinkler along haul road and two water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Top soil is stacked at the designated site and are used for plantation purpose. The mined out area is backfilled and on backfilled area plantation is carried out as proposed.		

Sl. No	Item	Comments		Remarks
<b>F. COMPLIANCE OF RULE-45:-</b>				
9a	Status of Submission of Monthly & Annual Returns	MR Submitted up to = Nov22 AR Submitted up to = 2021-22		
Sl. No	Item	Details Given in A.R	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Shri Manoj Kumar Verma Manager- Shri R.P.S. Bhatia Geologist- Shri N.K.Payasi	Were present during the visit.	However, same persons are designated as Mining Engineer and Geologist for the same lessees Century Cement Limestone Mine (237.003 ha in violation of Rule 55 (1)(3) of MCDR, 2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by- 0.0  opencast (O/C) mining Covered under current (O/C) Workings-19.24Ha  Reclaimed/Rehabilitated-	Appears to be correct.	

		2.77Ha  Used for waste disposal-0.0  Occupied by plant, buildings, residential, welfare buildings & roads-1.0Ha  Other Purpose-0.15Ha  Work done under progressive mine closure plan during the year-0.5Ha		
9d	Scrutiny of Annual return on afforestation	Current Year Plantation Area 0.5 H No. 1010 Plants	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No generation envisaged.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock: Nil Closing stock: Nil	No stock observed during the visit.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs 338.78 per Ton Ex-mine price and cost production per tonnes: Rs 338.78	Appears to be correct	Being captive mine, cost of production is same as ex mine price.
9i	Scrutiny of Annual return on fixed assets	Rs 307445019	Assets are mostly on land, residential and plant machinery.	Appears to be correct.
9k	Scrutiny of Annual return on mining machineries	Shovel: 03, Dumper: 05, Blast hole drill: 01, DOZER: 01, Explosive van: 01 Front end loader: 01	Found in operations during the visit.	

### III. Status of compliance of MCDR,2017 including therewith the rectification of outstanding violation of the rules.

During the previous inspection of the mine on dated 18.06.2021 by Shri B.L. Gurjar, RCOM violations of 11(1) and 19 (1) of MCDR, 2017 were pointed out. The violations are considered as complied.

During the current inspection, following violations are pointed out:

नियम	उल्लंघन के प्रकार का ब्यौरा
11(1)	<p>The mining operations are required to be carried out in accordance with the Mining Plan approved, modified or reviewed by Indian Bureau of Mines. However, the mining operations have not been observed carried out in accordance with Review &amp; updation of Mining Plan approved vide letter No. RPR/LST/MPLN-1178/2018/Raipur dated 12.11.2018 for the period from 2019-20 to 2023-24 to the extent indicated below:</p> <p>(i) Garland drain of 300 mtrs was proposed around waste dumps during the year 2021-22, against which only 226mtrs has been constructed.</p> <p>Hence, the above are observed to be against protection of environment in the mine.</p>
55 (1) ( 3) (i)	<p>A whole-time Mining Engineer and a Geologist have not been appointed as stipulated under this rule.</p>

(Debadurllav Dash)  
Regional Mining Geologist

**IV. Summary of Development, production and Ore:O.B. ratio proposed in the Mining Plan/ Scheme/Review for the last year and current year vis-a-vis those achieved :**

<b>Activity</b> [Items (a) to (e) are not very appropriately placed, but furnished for convenience]	<b>Previous Financial Year (2021-22)</b>		<b>Current Year (2022-23)</b> <i>(up to the month previous to the date of inspection )</i>	
	<b>Proposed</b>	<b>Achieved</b>	<b>Proposed</b>	<b>Achieved</b>
(a) Exploration :	Nil	Nil	Nil	Nil
(b) Development:				
(i) Top -soil (M <sup>3</sup> )	4592	3895	5216	4586
(ii) Over burden/waste (Ton)	1,69,017	1,65,902	1,74,348	74,252.8
(iii) Sub-grade ore	Nil	Nil	Nil	Nil
(iv) ROM mineral rejects	Nil	Nil	Nil	Nil
(c) Production (ore):(Ton)	12,00,000	4,66,747.45	12,00,000	3,54,128.37
(d) Ore : OB/waste ratio: (Ton/Ton)	1:0.140	1:0.355	1:0.145	1:0.185
(e) Afforestation :	1000 Nos	1010 Nos	1000 Nos	1010 Nos

**V. Community Development Plan (in and around the mines): Proposed action and expenditure towards socio-economic development:**

Action during the year	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Expenditure in Rs. Lakhs for	Cumulative Expenditure in Rs. Lakhs so far	Remarks
	previous year Proposed	previous year Incurred	current year Proposed	current year Incurred		
	(2021-22)	(2021-22)	(2022-23)	(2022-23) (up to the date of Insp.)		
Health		0.99	-	1.57	2.56	Hospital
Housing			-	-	-	
Medical facility	87.87	49.96	88.94	36.50	86.47	Medical Center Exp
Safety	278.92	391.86	205.40	133.53	525.39	Safety Exp All Plant
Sanitation	-	-	-	-	-	
Water supply	41.51	43.17	42.71	34.53	77.70	Water supply plant
Communication	68.18	26.05	58.43	27.33	53.38	Communication exp plant
Electricity	-	-	-	-	-	
Public transport	36.66	51.61	52.07	50.24	101.85	Vehicle hiring exp plant
Roads	8.00	25.00	8.00	16.58	41.58	Infrastructure Development Nearby village
Employment	139.40	85.41	30.35	17.27	102.68	HRD Exp plant
Environment management	49.41	52.00	47.40	41.29	93.29	Environment exp plant
Others	-	-	-	-	-	
Recreation	6.60	3.50	5.51	4.10	7.60	Staff club exp.
Sports activities	-	0.50		-	0.50	Sports exp.
Training	32.52	2.03	64.53	7.02	9.05	Training & development exp

Date : 20.12.2022

(Signature of Mine owner/Agent/Mines Manager/ Mining Engineer)  
With SEAL