

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Mr.Rajesh Kumar Das, Senior Assistant Controller of Mines, Indian Bureau of Mines, Raipur
2	Date of inspection & Accompanying person	11/01/2021& Shri Girish Pandey, Mining Engineer
3	Name of the Mine	Kukurdih Limestone Mines
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Lease area – 251.527 hect,
5	Mine Code	38CHG19002
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/441/2011
7	Name of the lessee, Address, phone, email and fax number	Name - M/s UltraTech Cement Limited Address - 'B' Wing, Ahura Centre 2 <sup>nd</sup> floor, Mahakali caves Road, Andheri (E), Mumbai 400093 Fax No - 02266928109 Phone No- 02266917800 Email - <a href="mailto:ajit.ostwal@adityabirla.com">ajit.ostwal@adityabirla.com</a>
8	Village	Kukurdih
8	Taluka/Mandal /District	Balodabazar
10	State	Chhattisgarh
11	Post office & PIN	Balodabazar, 493332
12	Nearest police station	Balodabazar
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	06/04/2010
15	Date of Execution	04/11/2010
16	Date of opening of Mine	10/10/2016
17	Date of first Renewal, if applicable and its period & expiry	Not applicable
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	<b>Mr. K.C.Jhanwar</b> UltraTech Cement Limited Aditya Birla Centre, S.K. Ahire Marg, Worli, Mumbai-400 030 Email: <a href="mailto:ajit.ostwal@adityabirla.com">ajit.ostwal@adityabirla.com</a> Phone No.: 022-66917421 Date of Appointment – 19/10/2018
21	Name of the Mine Agent with Address, phone, email, fax Number and date of appointment	Mr.Kushal Jain Agent & Sr. Vice President (Mines) Kukurdih Limestone Mines Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Email – <a href="mailto:kushal.jain@adityabirla.com">kushal.jain@adityabirla.com</a>

		Phone no – 09904201127 Date of appointment – 18/07/2017
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Girish Kumar Pandey Kukurdi Limestone Mines Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Phone No- 09977600564 Email- girish.k.pandey@adityabirla.com Date of appointment- 06/05/2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Girish Kumar Pandey Qualification – BE (Mining) Total Experience – 13 years Address - Rawan Jhipan Limestone Mine Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Phone No- 09977600564 Email- girish.k.pandey@adityabirla.com Date of appointment- 06/05/2018
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56&57.	Arun Kumar Behera M.Tech (Mineral Exploration) Phone No- 09430381625 Email- arun.behera@adityabirla.com Date of appointment-22/04/2019
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	RAP/LST/MPLN-1003/NGP/2015 Dated 07/04/2016 ( 2015-16 to 2019-20)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Lak cyksnkck@pqi@[k;ks&1213@2019&jk;iqj@543 fnukad 09]12]2019 ( 2020-21 to 2024-25)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive
31	Existing EC Limit and validity	24/02/2016 , Valid for 30 Year
32	Status of Financial Assurance	BG amount 20100000 valid upto 31.03.2025

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

**1.0 Exploration**

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	

1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Under G2 category: 12.907Ha	
1e	Balance reserves as on 01.04.2020(in Million Tonnes)	Under (111): 52.73 Under (121): 4.42 Under (122): 76.83 Under (211): 36.25 Under (222): 38.34	(111): 147.99 (121): 11.91 (211): 139.97 (222): 8.07 (332): 6.08	
1f	General remarks of inspecting officer on geology, exploration etc.	Broadly the area 231.116 ha. Explored in G1 & 12.907 ha. explored in G2.		

### **2.0 Development**

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	2019-20 X=612674-613632 Y=2395071-2395897	X—612965 613358 Y-2395070 2395650-	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Separate bench proposed.		No top soil and OB handled.
2c	Stripping ratio or ore to OB ratio	1:0.28	NA	OB not handled
2d	Quantity of topsoil generation in m3	72212	Nil	
2e	Quantity of overburden generation in m3	724940	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is worked for one or two month in 2019 thereafter it is not working.		

### **3.0 Exploitation**

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	5000000 MT	6416.38MT	
3c	Recovery of saleable/usable mineral from ROM production	0	0	
3d	Quantity of mineral reject generation	40000 Cum	Nil	
3e	Grade of mineral reject generation and threshold value declared	24 LSF CaO-26.8	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised, Screening.	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Drilling & Blasting Proposed	Nil	Rock breaker deployed.
3k	Provision of mining machineries in mineral benches	Shovel Dumper	Complied	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits.	40.669	13.061(Cumu)	
3n	Ore to OB ratio for the pit/mine during the year	1:0.28	Nil	
3o	Total area put in use under different heads at the end of year	Pit-Waste/reject Others-	Pit-13.061 Others-8.088	
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2015-16: 500000 Yr-:2016-17 1500000 Yr-:2017-18 300000 Yr-:2018-19 5000000 Yr-:2019-20 5000000	Yr- 2015-16:Nil Yr- 2016-17:Nil Yr- 2017-18:Nil Yr- 2018-19:Nil Yr-2019-20: 6416.38	
3q	General remarks of inspecting officer on method of mining etc.	Nil		

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Separate dumping of Topsoil, OB & mineral reject is proposed	Nil	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	OB- X=613895-614514 Y=2395529-2395954 Topsoil- along the lease boundary.	Nil.	Top soil & OB not handled during the year
4c	Number of dumps within lease area and outside lease area	1 No within the lease.	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Outside the ultimate pit	complied	

4e	Number of active & alive dumps	1	Live-1	
4f	Number of dead dumps	2	2	
4g	Number of dumps stabilised	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Garland Drain Provided along the Dump.	Retaining wall under construction 400 m.
4i	Length of Retaining wall or garland drain all along dump	Garland Drain Proposed	Broadly as per proposal	
4j	Number of settling ponds	Nil	01	
4k	Specific comments of inspecting officer on waste dump management	No major dump observed as the mine is non-working.		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mine is new mine and area not matured for backfilling.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	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.	-----	Yes( FY 2019-20)	
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	Yes	Afforestation done In 0.6 ha No of Sapling Planted during FY - 1500. Cumulative No of plants up to 31 <sup>st</sup> Mar-20=10500.	

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 water reservoir v) Any other specific means	Nil	Not applicable in this Stage.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Complied	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Broadly as per proposal		

### **7.0 Mineral Conservation**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM-5.0 million Tonne	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Nil	
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	Mine produce & dispatch only 6416 tons since opening therefore nil comments.		

### **8.0 Environment**

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Separate removal and utilization of topsoil proposed	Nil	
8b	Concurrent use or storage of topsoil	Yes	Nil	
8c	Separate dumps for overburden, waste rock,	Separate removal and utilization of topsoil	Nil	

	rejects and fines (Rule 37)	proposed		
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Dump rehabilitation by plantation.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)		No damage by mining to nearby Flora.	
8g	Survival rate	Not Defined	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Complied	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Nil		

#### **9.0 Compliance of Rule 45**

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to–March 2020 A.R. submitted up to- 2019-20	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes Given	Shri Girish Kumar Pandey, Mining Engineer & Manager, Shri Arun Kumar Behera, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under O/C working 13.061 Ha., waste disposal 5.529 ha., infrastructure & Road 2.559 ha.		
9d	Scrutiny of Annual return on afforestation	1500		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil		
9g	Scrutiny of Annual return	Ex. Mine price &		

	on sale value, Ex. Mine price & production cost	production cost Rs1381/-		
9i	Scrutiny of Annual return on fixed assets	Rs685405984/-		
9k	Scrutiny of Annual return on mining machineries	Given		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - The earlier violations pointed out taken compliance and during present inspection the mine is under temporary discontinuous from 01.01.2020 therefore no serious violation found.

(Rajesh Kumar Das, Senior Assistant Controller of Mines)