File No. MCDR-MCFDCRL&TTF150L&T0250RPC2BBRPROBRPROCCOPPRPuter No. 9295) I/29059/2024 1/29059/2024

MCDR Report 2022-23

1) Name of Inspecting officer:	Shri Prem Prakash
2) Designation	Regional Controller of Mines
3) Accompanying mine official with designation	Shri Prem Swami, Mines Manager Shri Aditya Kumar Mohanta, Geologist
4) Date of Inspection	29.11.2023
5) Date of Previous Inspection	07.03.2023

I. GENERAL INFORMATION

Sl. No	Particulars	Details
1	Name of the Mine	Guma Limestone Mine
2	Total Lease Area (Ha) with breakup of	Non-Forest - 157.122 Ha.
	Non-forest and forest land	Forest- Nil
3	Mine Code	38CHG19004
4	IBM Registration Number under rule 45 of	IBM/441/2011
	MCDR, 1988/2017	
5	Name of the lessee, Address, phone,	M/S Ultratech Cement Limited,
	ana il an d'fau numbra	Ahura Centre, B Wing,
	email and fax number	2nd floor, Mahakali Caves Road
		Andheri (E) Mumbai 400093.
		Fax No - 02266928109
		Phone No- 02266917800
		Email - ajit.ostwal@adityabirla.com
6	Village	Guma
7	Taluka/Mandal	Palari
8	District	Baloda Bazar
9	Pin Code	493196
10	State	Chhattisgarh
11	Post office	Guma
12	Nearest police station	Suhela
13	Nearest Railway station	Bhatapara
14	Date of Grant of Mining Lease	27.12.2016
15	Date of Execution	07.01.2017
16	Date of opening of Mine	01.11.2018
17	Date of first Renewal, if applicable and its	NA
	period & expiry	
18	Date of second Renewal, if applicable and	NA
	its period & expiry	
19	Date of submission of renewal application	NA
	if Mining Operations are continuing under	
	deemed extension	
20	Name of the Nominated Owner with	Mr. K.C. Jhanwar
	Address, phone, email, fax number and	Ahura Centre, B Wing,
	Tradicess, priorie, ernan, rax number anu	, 0,

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1	date of appointment	2nd floor, Mahakali Caves Road
		Andheri (E) Mumbai 400093.
		Mobile- 9702474200
		ajit.ostwal@adityabirla.com
		DOA: 22.10.2018
21	Name of the Mine Agent with Address,	Shri Vinay S Chitale
	phone, email, fax number and date of	M/S Ultratech Cement Limited,
		Unit: Rawan Cement Works
	appointment	Address- Village: Rawan, Post office: Grasin
		Vihar, Distt. Baloda Bazar -Bhatapara (C.G 493196
		Phone No- 9922413048
		Email <u>vinay.chitale@adityabirla.com</u>
		DOA: 12.11.2021
22	Name of the Mines Manager with	Shri Prem Swami, B. E. (Mining)
~~		Address- Village Rawan, Post office: Grasi
	Address, phone, email, fax number and	Vihar, Distt. Baloda Bazar -Bhatapara (C.G
	date of appointment in mines	493196
		Phone No- 9522017484
		Email- prem.swami@adityabirla.com
		Date of appointment- 01.11.2022
23	Name of the Mining Engineer,	Shri Prem Swami, B. E. (Mining)
	Qualification and total experience with	Address- Village Rawan, Post office: Grasir
	Qualification and total experience with	Vihar, Distt. Baloda Bazar –Bhatapara (C.G
	Address, phone, email, fax number and	493196
	date of appointment in mine	Phone No- 9522017484
		Email- prem.swami@adityabirla.com
		Date of appointment- 01.11.2022
24	Name of the Geologist, Qualification and	Shri Aditya Kumar Mohanta
	total experience with Address, phone,	M. Tech. (Applied Geology)
	email, fax number and date of	Date of appointment- 11.07.2022
	appointment in mine	
25	Whether Geologist and Mining Engineer	Yes
	appointed in mines satisfy the rule 55 $\&$	
	carrying out their duties as per rule 56 $\&$	
	57 of MCDR, 2017.	
26	Date of Approval of Mining Plan/Modified	09.04.2021
	Mining Plan with five-year period and	बलोदाबज़ार/चुप/खयो/1279/2021/रायपुर
	specific condition in approval letter, if any.	
		No specific condition
		Proposal period- 2021-22 to 2025-26
27	Date of Approval of Scheme of	NA
<i>L1</i>	Mining/Modified Scheme of Mining with	
	five-year period and specific condition in	
	approval letter, if any.	
28	Mineral(s) granted in lease and proved for	Limestone
	mining	
29	Method of Mining (Opencast,	Opencast

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2	4	Underground)	
	30	Category (Fully Mechanised, Others or	Fully Mechanised
		Manual)	
	31	Status of Financial Assurance	Not Applicable
	32	Captive/Non Captive	Captive

II. SCIENTIFIC MINING

[Data in respect of financial year (2022-23) or cumulative, as applicable]

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks		
	A. EXPLORATION:-					
1a	Backlog of Previous Year	Nil	Nil			
1b	Exploration Over Lease area for Geological Axis 1 or 2	No proposal	Not applicable	Entire potential mineralized area has been explored under G-1		
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable			
1d	Balance area to be explored to bring Geological axis 1 or 2	No proposal	Nil			
1e	Balance reserves as on 01/04/2023	Under (111):56 million Tonnes Under (211): 63 million Tonnes				
1f	Generalremarksofinspecting officer on geology,exploration etc.	No exploration has been proposed during the financial year 2022-23. The entire potential mineralized area has been explored under G-1 level of exploration.				

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
E	B. DEVELOPMENT:-			
2a	Location of development w.r.t. lease area	Development proposed in two (02) pits namely Pit No.01 and Pit No.02		
2b	Separate benches in topsoil, overburden and mineral	Separate benches in OB and Mineral proposed	Separate benches were maintained in OB & Mineral	

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02	4 2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.12	Tonne:Cum
	2d	Quantity of topsoil generation in m ³	82205 m ³	40082 m ³	
	2e	Quantity of overburden generation in m ³	103987m ³	94840 m ³	
	2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Production & developr grids as per the approv	within the proposed	

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
(C. EXPLOITATION: -			
За	Number of Pit Proposed for Production	Pit-1 & Pit-2	Pit-1 & Pit-2	As per proposal
3b	QuantityofROMmineralproductionproposed	1080000	738362.86	
3c	Recovery of Sailable/ Usable Mineral from ROM Production	100%	100%	
3d	Quantity of mineral reject generation	80000	Nil	No generation of screen rejects
3e	Grade of mineral reject generation and threshold value declared	Not specified	Not applicable	
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	Mechanised	Mechanised	Blasted material from the mine is fed to the crusher
3i	Anyanalysisorbeneficiationstudyproposed & carried outforsub-gradeand reject.	No proposal	No such study carried out	
Зј	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed in mineral benches		
3k	Provision of mining machineries in mineral benches	Yes, HEMMs	HEMMS deployed	
31	Whether height of benches in overburden	Height of OB: 03 m. Ore/Mineral: 6 to 8 m	Bench height and width have been	

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		and mineral suitable for	Width: Around 20 m	maintained as per	
		method of mining		proposal	
		proposed in MP/SOM			
	3	Total area covered	28.72 Ha up to end of	About 12.00 ha. up	
	m	under excavation/pits	RMP period (2025-26)	to 2023-24	
	3n	Ore to OB ratio for the pit/mine during the year	1:0.10	1:0.12	
		Total area put in use	45.93 Ha up to end of	About 25.00 ha. up	
	30	under different heads at	RMP period (2025-26)	to 2023-24	
		the end of year			
		Production of ROM	2018-19: 3000000	Nil	(All units in MT)
		mineral during last five-	2019-20: 35000000	1065155.40	As per AR
	Зр	year period, as	2020-21: 35000000	1126277.93	submitted
		applicable	2021-22: 1080000	755254.62	
			2022-23: 1080000	738362.86	
	3q	General remarks of inspecting officer on method of mining etc.	Open cast working is b with the help of deep h	•	ployment of HEMM

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1	D. SOLID WASTE MANAGE	MENT - DUMPING:-		
4a	Separate Dumping of Topsoil, OB and Mineral Rejects	Separate dumping of Topsoil & OB proposed	Separate dumping of Topsoil & OB carried out	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	In between UTM coordinates Top Soil 610733-611043, 2387576-2387662 OB- 610200-610298, 2387021-2387095 Screen reject- 610049-610237 2387197-2387231	Topsoil stacking & OB/Waste dumping being carried out as proposed Screen reject dump- Nil	
4c	Number of Dumps within Lease & Outside Lease area	Within Lease Area: Topsoil:2, OB:1, SR:1 Outside Lease Area: Nil	Within Lease Area: Topsoil:2, OB:1, SR:0 Outside Lease area: Nil	
4d	Location of Dumps, within Ultimate Pit Limit	Proposed beyond Ultimate Pit Limit	Beyond UPL	
4e	Number of Active & Alive Dumps	4	3	
4f	No of Dead Dumps	No proposal	Nil	
4g	No of Dumps Established	No proposal	Nil	
4h	Whether Retaining Wall or Garland drain along	Yes	Yes	

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1/29059/202	4	Dumps are there			
	4i	Length of Retaining Wall or Garland drain along Dumps	RW:0 GD:772m	Bund and garland drain have been constructed around the waste dump	
	4j	No. of Settling tanks	No proposal	Nil	
	4k	Specific comments of inspecting officer on waste dump management	Environmental protecti been provided.	on measures around th	ne waste dump have

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
1	E. SOLID WASTE MANAGE	MENT - BACKFILLING: -		
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	No proposal	Not applicable	Area is not fully exhausted for backfilling
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	No proposal	Not applicable	
5d	Totalareafullyreclaimedandrehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	The area is not fully exh	nausted for backfilling.	

SI.	Item	Proposals	Actual Work	Remarks
No		(2022-23)	(2022-23)	
1	F. PROGRESSIVE MINE CLO	DSURE PLAN:-		
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2)	To be submitted before 01st July every year	PMCP report received in time.	Annual Report submitted on 29.06.2023
6b	Managementofworked/minedoutbenchesi)i)Areaavailableforrehabilitation (ha)ii)ii)Afforestationdone(ha)	No proposal	Nil	No area is mined out fully at present

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I/29059/2024 I/29059/2024	 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 Compliance on reclamation and 	No proposal	Nil	No area has got matured for
6	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			reclamation and rehabilitation purposes
6	Compliance of Rehabilitation of waste land within lease i) Afforestation	· ·	i) 1200 Nos. ii) About 0.2 Ha. iii) By Green Belt	1200 Nos. samplings @ 80 survival
6	e Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring of air, water & noise proposed	Environmental monitoring of air, water & noise was carried out as per the proposal	All values of environment parameters were within permissible limits
61	General remarks of inspecting officer on f PMCP compliance & progressive closure operations	Annual PMCP report matured for reclamatic has been carried out as	on and rehabilitation [•

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
	G. MINERAL CONSERVATIO	DN:-		
7a	ROM mineral dispatch or grade wise sorting within lease area	Direct ROM dispatch to their captive plant	Blasted ROM is being dispatched to their captive cement plant	

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022	7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	Blending by mechanized method	Bench wise blending as per the requirement of the cement plant	
	7c	Different grade of mineral sorted out at mines	No proposal	Nil	
	7d	Any beneficiation process at mines	No proposal	Nil	
	7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The blasted run of min plant.	ne ore is being fed to	the captive cement

SI. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
I	H. ENVIRONMENT:-			
8a	Separate removal and utilization of topsoil	Separate removal and utilization of topsoil proposed	Generated topsoil stored at earmarked place	
8b	Concurrent use or storage of topsoil	Proposed for stacking	Stacked at earmarked place	
8c	Separate dumps for overburden, waste rock, rejects and fines	Separate dumps for overburden, waste rock, and rejects are proposed	Separate dumps are maintained	
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	743 Nos.of saplingswithinMLareacovering0.279Haarea	Within lease area 1200 nos. saplings have been planted	
8g	Survival rate	Not specified	80 %	
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the RMP for water sprinkling on roads through water tanker	Continuous water sprinkling is being carried out on haul roads to suppress the dust generated	
8i	General remarks of inspecting officer on	Aesthetic beauty in & a	round the mine area w	as good.

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24	aesthetic beauty in and	
	around mines area	

SI.					
N o	Item	Comments			Remarks
	. COMPLIANCE OF RU	JLE-45:-			
9a	Status of Submission of Monthly & Annual Returns	MR being submitted reg AR Submitted up to = FY	-		
SI. N o	ltem	Details Given in A.R		Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Engineer- Shri Prem Swami	ining umar	Employed	
9с	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	25.53 Ha		About 25 Ha.	
9d	Scrutiny of Annual return on afforestation	Within lease area 120 80% survival rate	0 @	Within lease area 1200 @ 80% survival rate	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		No generation of mineral reject reported	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM opening stock-Nil Production- 738362.86 Closing stock-Nil		ROM opening stock-Nil Production- 738362.86 Closing stock-Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price and comproduction – Rs. 235.62/Tonne Sale value-Nil	st of	Captive consumption	
9i	Scrutiny of Annual return on fixed assets	Rs. 946726937/- inclu land, plant and Mach etc.	-	Rs. 946726937/- including land, plant and Machinery etc.	
9k	Scrutiny of Annual return on mining machineries	nt Capacity Dozer 230 HP Shovel 0.910cu m Tipper 14cum	No s. 1 4 14	Observed deployed	
		Water 20000	1		

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024	Tanker	Ltr	
	Wheel	2.0 auma	1
	Loader	3.0cum	1
	Blast	115	2
	Host Drill	115mm	2
	Crusher	250 TPH	1

10- Details of violations observed during current inspection: - No serious violation was observed during inspection.

प्रेम प्रकाश / Prem Prakash क्षेत्रीय खान नियंत्रक / Regional Controller of Mines भारतीय खान ब्यूरो, रायपुर / Indian Bureau of Mines, Raipur