

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 and forest land	Non-Forest - 157.122 Ha. Forest- Nil
3	Mine Code	38CHG19004
4	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/441/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Ultratech Cement Limited, Ahura Centre, B Wing, 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 period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and	Mr. K.C. Jhanwar Ahura Centre, B Wing,

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 & development was carried out within the proposed grids as per the approved plans.		

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
C. EXPLOITATION: -				
3a	Number of Pit Proposed for Production	Pit-1 & Pit-2	Pit-1 & Pit-2	As per proposal
3b	Quantity of ROM mineral production proposed	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	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	No proposal	No such study carried out	
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting proposed in mineral benches	Drilling and blasting are carried out in mineral benches as proposed	
3k	Provision of mining machineries in mineral benches	Yes, HEMMs	HEMMS deployed	
3l	Whether height of benches in overburden	Height of OB: 03 m. Ore/Mineral: 6 to 8 m	Bench height and width have been	

	and mineral suitable for method of mining proposed in MP/SOM	Width: Around 20 m	maintained as per proposal	
3m	Total area covered under excavation/pits	28.72 Ha up to end of RMP period (2025-26)	About 12.00 ha. up to 2023-24	
3n	Ore to OB ratio for the pit/mine during the year	1:0.10	1:0.12	
3o	Total area put in use under different heads at the end of year	45.93 Ha up to end of RMP period (2025-26)	About 25.00 ha. up to 2023-24	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 3000000	Nil	(All units in MT) As per AR submitted
		2019-20: 35000000	1065155.40	
		2020-21: 35000000	1126277.93	
		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 being carried out by deployment of HEMM with the help of deep hole drilling & blasting.		

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
D. SOLID WASTE MANAGEMENT - 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	

1/29059/2024

1/29059/2024

	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 protection measures around the waste dump have been provided.		

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
E. SOLID WASTE MANAGEMENT - 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	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	The area is not fully exhausted for backfilling.		

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
F. PROGRESSIVE MINE CLOSURE 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	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha)	No proposal	Nil	No area is mined out fully at present

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 mine ore is being fed to the captive cement plant.		

Sl. No	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
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 saplings within ML area covering 0.279 Ha area	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 & around the mine area was good.		

	aesthetic beauty in and around mines area	
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Sl. No	Item	Comments			Remarks
I. COMPLIANCE OF RULE-45:-					
9a	Status of Submission of Monthly & Annual Returns	MR being submitted regularly AR Submitted up to = FY 2022-23			
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	Manager & Mining Engineer- Shri Prem Swami Geologist- Aditya Kumar Mohanta		Employed	
9c	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 1200 @ 80% survival rate		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 cost of production - Rs. 235.62/Tonne Sale value- Nil		Captive consumption	
9i	Scrutiny of Annual return on fixed assets	Rs. 946726937/- including land, plant and Machinery etc.		Rs. 946726937/- including land, plant and Machinery etc.	
9k	Scrutiny of Annual return on mining machineries	Equipme nt	Capacity	No s.	Observed deployed
		Dozer	230 HP	1	
		Shovel	0.910cu m	4	
		Tipper	14cum	14	
		Water	20000	1	

I/29059/2024

I/29059/2024

		Tanker	Ltr			
		Wheel Loader	3.0cum	1		
		Blast 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