

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/9474/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/DOLO-29

Mine code : 19MPR18013

- (i) Name of the Inspecting : C004 ) ROBERT SIMON C  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri. Bijay Jaiswal (Mines Manager).  
Official with  
Designation
- (iv) Date of Inspection : 20-OCT-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHHAPARWAH (48.72 AC)
- (b) Registration NO. :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : CHHAPARWAT  
Taluka : BHADWARA  
Post office : KALAN  
Pin Code : 483773  
FAX No. : 0291-2431844  
E-mail : N. A.  
Phone : 0291-243074, 2431715
- (f) Police Station :
- (g) First opening date : 22-JAN-83
- (h) Weekly day of rest : THU
2. Address for : M/S ULTRA TECH CEMENT LTD.  
correspondance : UNIT- BIRLA WHITE, D7, SHASHI NAGAR,  
JODHPUR (RAJASTHAN)342003
3. (a) Lease Number : MPR1147
- (b) Lease area : 19.71
- (c) Period of lease : 20
- (d) Date of Expiry : 23-FEB-01
4. Mineral worked : LIMESTONE Associated  
STEATITE Associated  
DOLOMITE Main

I/9474/2023

## 5. Name and Address of the

Lessee : ULTRA TECH CEMENT LTD.  
D-7 SHASHTRI NAGAR JODHPUR  
JODHPUR RAJASTHAN  
Phone:2431715  
FAX :0291 2431844

Owner : ULTRA TECH CEMENT LTD.  
UNIT- BIRLA WHITE, D7,  
SHASHI NAGAR JODHPUR  
(RAJASTHAN)342003 JODHPUR  
RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	14-OCT-98
		Mining Scheme rule 12 MCDR1988	22-SEP-06
		Mining Scheme rule 12 MCDR1988	18-AUG-08
		Modif.approved Mining Scheme	12-JAN-12
		Mining Scheme rule 12 MCDR1988	26-JUL-13
		MP modif under 17(3) MCR 2016	19-JUN-20

I/9474/2023

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	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 Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2		G2-13.1 ha Area to be explored-6.71 ha	
1e	Balance reserve as on 01/04/20		111-2842361 T 122-1492411 T	
1f	General remarks of inspecting officers on geology, exploration etc			The lease area has Mahakaushal Formation of middle Proterozoic age and major rocks is Dolomite as associate mineral while Limestone is occurring in small area in association with dolomite. From litho set up point of view, the explored area falls in northern part while western and southern parts are at higher altitudes hence partially unexplored.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/9474/2023

2a	Location of development w.r.t.lease area	It was proposed to carry out development Laterally towards SE of working pit between the grid 80° 34' 53.766" to 80° 35' 10.270" and 23° 39' 25.973" to 23° 39' 28.247"	But during inspection it was observed that the lateral development towards the SE portion of the lease was lagging.	Violation pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and minerals proposed.	Separate benches in overburden and mineral maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.17	1:0.19	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	65250 m3	38101 m3	Violation pointed out under rule 11(1) of MCDR 2017

I/9474/2023

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

It was proposed to carry out development Laterally towards SE of working pit between the grid 80° 34' 53.766" to 80° 35' 10.270" and 23° 39' 25.973" to 23° 39' 28.247" but during inspection it was observed that the lateral development towards the SE portion of the lease was lagging. Only 38101 m3 of OB is generated against the proposal of 65250 m3. Thus, the development operations in the mine were not being not carried out in accordance with the approved proposals and violation pointed out.

---

**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	381875	200062	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	Not specified	Entire ROM sold to captive plant.	
3d	Quantity of mineral reject generation	Not specified	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	

I/9474/2023

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	Mechanised
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done.
3j	Provision of drilling and blasting in mineral benches	drilling & blasting in mineral benches proposed	drilling & blasting in mineral benches done
3k	Provision of mining machineries in mineral benches	mining machineries in mineral benches proposed	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 0.900 CUM 2 Non Electrical Opencast AIR COMPRESSOR 12.000 CUM/MN 1 Non Electrical Opencast DUMPER 16.000 TONNE 10 Non Electrical Opencast ROCK DRILL (NONELEC.) 100.000 MM 1 Non Electrical Opencast ROCK DRILL (NONELEC.) 36.000 MM 1 Non Electrical Opencast

I/9474/2023

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	It was proposed to maintain the mineral benches of 5-6 m average height but during inspection it was observed that the benches have not been maintained resulting in high wall in some places.	Violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits		4.62 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.17	1:0.19	
3o	Total area put in use under different heads at the end of year		5.62 ha	
3p	Production of ROM mineral during the last five year period as applicable	20-21- 1000(1st) (404069 Dol t) 21-22- 1200(1st) (380675 Dol t) 22-23- 1200(1st) (404984 Dol t)	20-21-0 (1st) (148127.06 Dol t) 21-22-1107.38 (1st) (198954.31 Dol t) 22-23- 1200(1st) (128643 Dol t)	

I/9474/2023

3q General remarks of inspecting officers on method of mining etc.

It was proposed to maintain the mineral benches of 5-6 m average height but during inspection it was observed that the benches have not been maintained resulting in high wall in some places. Only 200062 tonnes ROM is produced against the proposal of 381875 tonnes. Thus, the mining operations in the mine were not being not carried out in accordance with the approved proposals for the yr 2021-22. Violation pointed out under rule 11(1) of MCDR 2017.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB proposed maintained	
4b	Location of topsoil, OB and mineral reject dumps	Central portion of lease	Central portion of lease	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	



I/9474/2023

4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not specified	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil

---

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction of mineral from mined out area before starting backfilling proposed	Full extraction of mineral from mined out area before starting backfilling adopted	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not specified	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature enough to start backfilling & reclamation.

---

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/9474/2023

6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Annual report on PMCP not submitted	Violation pointed out under rule 26(2) of MCDR 2017
6b	Area available for rehabilitation (ha) .	Yes	Annual report on PMCP not submitted	Violation pointed out under rule 26(2) of MCDR 2017
6c	afforestation done (ha).	0.28 ha	Annual report on PMCP not submitted	Violation pointed out under rule 26(2) of MCDR 2017
6d	No. of saplings planted during the year	315	1000 as per AR	
6e	Cumulative no .of plants	Not specified	Details not available	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	

I/9474/2023

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Environment monitoring done.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2021-22. Violation pointed out under rule 11(1) of MCDR 2017.

---

**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed	ROM dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	mechanical	mechanical	
7c	Different grade of mineral sorted out at mines.	Not specified	SMS grade limestone	

I/9474/2023

7d	Any beneficiation process at mines .	No beneficiation process at mines proposed.	No beneficiation process at mines adopted.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No Beneficiation process available at mines. ROM dispatch done.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not specified	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed.	Separate dumps for overburden waste rock maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	OB dumping proposed.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	OB dumping proposed.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	Nil	

I/9474/2023

8g	Survival rate	Not specified	25% as per AR	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed.	Water sprinkling on roads to control airborne dust maintained.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty in and around mine area needs improvement.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Returns submitted online.	Returns submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager Shri Bijay Kumar Jaiswal Mining Engineer in charge Prem Bhushan Verma	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Part-1: In SI.No. 12. the lease area (surface area) utilisation are furnished incorrectly.	Violation pointed out under rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 1000 (ii) Survival rate in percentage 25	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Detailed information furnished.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price (in . Per Tonne)(a) Dolomite - 304.52 Ex-mine price (in . Per Tonne)(a) Lst- 304.11	

I/9474/2023

9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in .) 15885697
9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 0.900 CUM 2 Non Electrical Opencast AIR COMPRESSOR 12.000 CUM/MN 1 Non Electrical Opencast DUMPER 16.000 TONNE 10 Non Electrical Opencast ROCK DRILL (NONELEC.) 100.000 MM 1 Non Electrical Opencast ROCK DRILL (NONELEC.) 36.000 MM 1 Non Electrical Opencast

---

I/9474/2023

**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11(1)	20-DEC-22				
MCDR17 Rule 26(2)	20-DEC-22				
Rule 45(7)	20-DEC-22				
MCDR17 Rule 55(1)(3)	20-DEC-22				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines