

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

Mining Plan inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/DOLO-29

Mine code : 19MPR18013

- (i) Name of the Inspecting : **G005**) **SANJAY M. GIRHE**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 09-FEB-20
- (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

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	:	Renewal under rule 22 MCR1960	14-OCT-98
Plan/Scheme of Mining		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

MCDR INSPECTION REPORT

1. Exploration

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
1a	Backlog of previous year	No proposal	Nil	Lapse period, no document was approved for the year 2018-19
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	Lapse period, no document was approved for the year 2018-19
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Nil	NA
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Exploration not carried out. About 2.31Ha explored in G1 level by way of working pits.	Only 0.01 Ha limestone area is explored in G2 level up to depth of 17mts by drilled BHs/working pits.
1e	Balance reserves as on 01.04.2020	Reserves in Tonnes Probable (122) -3400 Resources in tonnes Feasibility (222): Nil Reserves position as per approved MMP dtd 19.06.2020	Reserves in Tonnes Probable(122)-Nil Resources in tonnes Feasibility (222): Nil Reserves position as per annual return 2018-19.	Negligible amount of limestone reserves. Mostly it is dolomite mine
1f	General remarks of inspecting officer on geology, exploration etc.	Given mining lease area is explored by way of working pit and 04 nos of boreholes in the past. Maximum BH drilled depth up to 43m in BH No-3. Very negligible amount of limestone reserves in lease area		

2.0 Development

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
2a	Location of development w.r.t. lease area	No working proposals	No mine working carried out during the year	Lapse period, no document was approved for the year 2018-19
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposals	Not Applicable	Benches of 5 to 6m observed in limestone/dolomite
2c	Stripping ratio or ore to OB ratio	No proposals	Not Applicable	Lapse period, no approved document
2d	Quantity of topsoil generation in (cum)	No Proposed	Nil	Lapse period, no approved document
2e	Quantity of overburden generation in m3	Not Proposed	Nil	Lapse period, no approved document
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There is single working pit of 475m x 88m x 5-25m of dolomite. During the course of dolomite mining few limestone this band of limestone occurred.		

3.0 Exploitation

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
3a	Number of pits proposed for production	Not Proposed	Nil	Lapse period, no document was approved for the year 2018-19

3b	Quantity of ROM mineral production proposed	Not Proposed	No production carried out	NA
3c	Recovery of salable/usable mineral from ROM production	Not Proposed	No production carried out	NA
3d	Quantity of mineral reject generation	Not Proposed	Not Applicable	NA
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19
3f	Quantity of sub-grade mineral generation	Not Proposed	Not Applicable	NA
3g	Grade of sub-grade mineral generation	Not Proposed	Not Applicable	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable	NA
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Applicable	NA
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Not Applicable	NA
3k	Provision of mining machineries in mineral benches	Not Proposed	Not Applicable	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Not Applicable	NA
3m	Total area covered under excavation/pits	4.60 Ha area was proposed in approved MMP period i.e. 2013-14 to 2017-18 (Including dolomite proposals)	0.50Ha as on 01.04.2019 as per Annual Return 2018-19	NA
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Not Applicable	Mine is non-working since 2010
3o	Total area put in use under different heads at the end of year	NA	NA	Lapse period, no document was approved for the year 2018-19
3p	Production of ROM mineral during last five-year period, as applicable	2015-16-: NA	2015-16-: NA	Lapse period, no document was approved for the year 2018-19. As per annual return no limestone production carried out.
		2016-17-: NA	2016-17-: NA	
		2017-18-: NA	2017-18-: NA	
		2018-19-: Lapsed period	2018-19-: NA	
3q	General remarks of inspecting officer on method of mining etc.	Open cast mechanised method of mining was practised. There is single working pit of dolomite and very few incidence of thin limestone band encountered in dolomite.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Not Applicable	NA
4c	Number of dumps within lease area and outside lease area	Not Proposed	There are no OB dumps in the lease area	NA

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	There are no OB dumps in the lease area	NA
4e	Number of active & alive dumps	Not Proposed	There are no OB dumps in the lease area	NA
4f	Number of dead dumps	Not Proposed	No dead dumps existing in lease area	NA
4g	Number of dumps stabilised	Not Proposed	Not Applicable	NA
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Not Applicable	NA
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Not Applicable	NA
4j	Number of settling ponds	Not Proposed	Not Applicable	NA
4k	Specific comments of inspecting officer	Lapse period, no document was approved for the year 2018-19. Mostly overburden is phyllite and soil mixed with siliceous material.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19
5b	Area under backfilling of mined out area	Not Proposed	Not Applicable	NA
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Not Applicable	NA
5e	General remarks of inspecting officer on backfilling, reclamation etc	Lapse period, no document was approved for the year 2018-19. Hence, no proposals on backfilling, reclamation envisaged.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	To be submitted before 1st July of every year	Not Applicable	Lapse period, no document was approved for the year 2018-19.
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	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
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	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Proposed	Not Applicable	NA
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Proposed	Not Applicable	NA
6f	General remarks of inspecting officer on PMCP compliance & progressive	No limestone production carried out during the year 2018-19 as per annual return. No approved document was prepared for the said year.		

7.0 Mineral Conservation

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
7c	Different grade of mineral sorted out at mines	Not Proposed	Not Applicable	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lapse period, no document was approved for the year 2018-19. Hence, no comments on mineral conservation & beneficiation issues.		

8.0 Environment

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	NA
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	NA
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Not Applicable	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not Proposed	Not Applicable	NA
8g	Survival rate	Not Proposed	Not Applicable	NA
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Not Applicable	Lapse period, no document was approved for the year 2018-19.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Lapse period, no document was approved for the year 2018-19. Aesthetic beauty in and around mine area found satisfactory as dolomite mining was under operation as noticed during the inspection.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Monthly	M.R. submitted upto-	Annual Return for the year 2018-19

and Annual returns	January-2020 A.R. submitted upto- 2018-19	submitted within time limit.
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S.N	Item	Details given in A.R. 2018-19	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Given	Shri Prem Bhushan Verma was appointed as Mining Eng.	Lapse period, no document was approved for the year 2018-19. No limestone production carried out during the year 2018-19
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Pits-0.5Ha Reclaimed/Rehabilitated-0.20Ha Green belt-0.20 Ha As on 01.04.2019 as Annual Return, 2018-19	
9d	Scrutiny of Annual return on afforestation	Given	400 saplings within ML area & 400 saplings outside ML area planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not Given	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Given	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Not Given	NA	
9i	Scrutiny of Annual return on fixed assets	Not Given	NA	
9k	Scrutiny of Annual return on mining machineries	Not Given	NA	

- 10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - This inspection was carried out in connection with examination of draft Modification in approved Mining Plan and during inspection no significant violations of Rules 26(2), 31(4), 35(2) & 45(5)(b)(c) of MCDR,2017 were observed and accordingly violation letter was issued.

Sanjay M. Girhe
Regional Mining Geologist
RO, Jabalpur
Dt: 20.12.2021
