

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/SIDHI/LST-04

**Mine code :** 38MPR41002

- (i) Name of the Inspecting Officer and ID No. : **K006** ) **NARESH KUMAR KATARIYA**
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine Official with Designation : Sh P K Upadhyya (Agent), Sh S S Babu (Mine Manager), S
- (iv) Date of Inspection : 22-NOV-19
- (v) Prev.inspection date : 13-DEC-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MAJHGAWAN (362.68 HCT)**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SIDHI  
Village : Majhgawan, Sardar, etc.  
Taluka : Rampur Naikin  
Post office : Bharatpur  
Pin Code : 486776  
FAX No. : 07802-276715  
E-mail : pratyendra.upadhyay@adityal  
Phone : 07802-276702 TO 276707
- (f) Police Station : RAMPUR NAIKIN
- (g) First opening date : 29-JAN-09
- (h) Weekly day of rest : SUN
2. Address for correspondance : M/S ULTRA TECH CEMENT LTD.  
ULTRATECH SIDHI CEMENT PLANT,  
P.O. BHARATPUR, DIST. SIDHI (M.P.) 486776
3. (a) Lease Number : MPR2567
- (b) Lease area : 362.68
- (c) Period of lease : 10
- (d) Date of Expiry : 20-MAR-27
4. Mineral worked : LIMESTONE 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 :

Agent : P K UPADHYAYA  
SIDHI MADHYA PRADESH  
Phone:  
FAX :

## Mining Engineer

Name : RAJU JAIN, Full Time  
Qualification : B.E. (MINING)  
Appointment/ : 29-JAN-09  
Termination date

## Geologist

Name : BIPLAB KUMAR BANERJEE, Full Time  
Qualification : M.Sc. (Applied Geology)  
Appointment/ : 10-JAN-07  
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-NOV-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-NOV-14
		MS modif under MCR 1960	30-SEP-16
		MP review under 17(1) MCR 2016	24-DEC-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	It was proposed to drill 05 nos. of exploratory bore holes in the grid interval of 200 m x200 m in the year 2018-19.	No exploratory drilling in the year 2018-19 .	Violation pointed out.
1b	Exploration over lease area for geological axis 1 or 2	362.680 Ha. in G1/G2 is proposed.	G1-289.57 Ha, G3- 42.61 Ha.	No exploratory drilling has been done in the year 2018-19 . Violation pointed out for the same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not available.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	It was proposed to drill 05 nos. of exploratory bore holes in the grid interval of 200 m x200 m in the year 2018-19.	Balance area in G3 - 42.61 Ha. No exploration done in the year 2018-19	Violation pointed out for the same.
1e	Balance reserve as on 01/04/20		42.640 Million Tones	
1f	General remarks of inspecting officers on geology, exploration etc			Exploratory drilling has not been done in the year 2018-19 as per approved proposals. Violation pointed out for the same.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N2689073 - 2689478 & E531887 - 532824	N2689073 - 2689478 & E531887 -532824	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	Separate benches for OB.
2c	Stripping ratio or ore to OB ratio	1:0.24	1:0.46	
2d	Quantity of topsoil generation in m3	It was proposed to remove 500 m3 top soil in the year 2018-19.	It was observed that only 300 m3 top soil generated in the year 2018-19.	Violation is issued for the same.
2e	Quantity of overburden generation in m3	368826 m3	528875 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			300 m3 top soil generated in the year 2018-19 against 500 m3.Violation pointed out for the same.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit is proposed for production	production is carried out in one pit.	
3b	Quantity of ROM mineral production proposed	27,00,000 te	12,43,756 te	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	NA	
3d	Quantity of mineral reject generation	Not proposed.	No Mineral rejects found.	

3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NA
3f	Quantity of sub grade mineral generation.	Not proposed	No Mineral sub grades
3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	NA
3j	Provision of drilling and blasting in mineral benches	YES	Available
3k	Provision of mining machineries in mineral benches	Yes	Available
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	48.909 Ha	48.909 Ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.15	1:0.46
3o	Total area put in use under different heads at the end of year	204.01 Ha.	190.017 Ha.

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3p	Production of ROM mineral during the last five year period as applicable	2014-15: 12,50,000 te 2015-16: 12,50,000 te 2016-17: 20,62,818 te 2017-18: 27,00,000 te 2018-19: 27,00,000 te	2014-15: 12,17,096 te 2015-16: 10,62,395 te 2016-17: 8,31,492 te 2017-18: 12,48,667 te 2018-19: 12,43,756 te
3q	General remarks of inspecting officers on method of mining etc.		

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	YES	Separate dumping of OB available
4b	Location of topsoil, OB and mineral reject dumps	Topsoil - E 533057 - 533080 & N 2689141 - 2689171 OB - E 531600 to 532000 & N 2688500 to 2688900	Topsoil - E 533057 - 533080 & N 2689141 - 2689171 OB - E 531700 to 532150 & N 2688700 to 2689000	The location of OB dump was found deviated from the proposal of approved document. Violation is issued for the same.
4c	Number of dumps within lease area and outside of lease area	Within Lease: 03 (Three) nos	Within Lease: 03 (Three) nos	No dumps observed outside the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps are temporary	Dumps are temporary.	
4e	Number of active and alive dumps.	one dump	one dump	
4f	Number of dead dumps.	none	none	

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4g	Number of dumps established.	None.	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes
4i	Length of Retaining wall or garland drain all along dumps	982 m	982 m
4j	Number of settling ponds	one	one
4k	Specific comments of inspecting officer on waste dump management		

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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	Full extraction	Backfilling is being started after reaching at UPL.
5b	Area under backfilling of mined out area	Nil	0.331 Ha	Backfilling started after full extraction of ore.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for plantation	Top-Soil used only for plantation	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is being started after reaching at UPL.

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 Progressive Mine Clousre Plan:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Not submitted	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	0.331 Ha.	Part of the area is backfilled
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	0.331 Ha.	Part of the area is backfilled after full extration of ore as per provided records.

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6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2000 nos of saplings proposed	4000 nos of saplings proposed
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1 (one) Ha.	2 (two) Ha.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation method	Plantation method
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be complied	Complied & within the permissible limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2018-19. Violation pointed out for the same.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral to be dispatched to captive plant.	ROM mineral dispatched to captive plant as per provided records.	No grade wise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N/A	N/A	
7c	Different grade of mineral sorted out at mines.	N/A	N/A	
7d	Any beneficiation process at mines .	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes. Top soil to be used for plantation only.	Yes. Top soil is being used for plantation.	

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8b	Concurrent use or storage of topsoil	Stacked separately and used for plantation	Stacked separately and used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	To be used in backfilling in the year 2019-20
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	Part of the mined out pit (Area: 0.331 Ha.) backfilled
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	
8g	Survival rate	>80%	70% approx.	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Water sprinkling being done for arresting dust
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Mine area was found clean.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR from Apr-18 to Mar-19 & AR & AR for 2018-19 for 2018-19 to be submitted.	MR from Apr-18 to Mar-19 & AR for 2018-19 submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Name of the Mining Engineer, Geologist and Manager Manager: SK Sreenubabu Geologist: Gaurav Tripathi Mining Engr: Pranay Gajhbiye
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Land use pattern as per AR
9d	Scrutiny of Annual return on afforestation	Yes	Afforestation as per MP and AR
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	As per AR proposal
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Sale value,- 0 Ex-Mine price -Rs. 245.63/ ton Production costs-Rs. 245.63/ ton
9h	Scrutiny of Annual return on fixed assets	Yes	Fixed assets as per AR
9k	Scrutiny of Annual return on mining machineries	Yes	As per AR

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

Violation observed				Show cause position			
Rule NO.		Issued on	Compliance on	Rule NO.		Issued on	Compliance on
MCDR17	Rule 11(1)	06-DEC-19	13-MAY-20				
	Rule 26(2)	06-DEC-19	13-MAY-20				

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines