

**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 : **SQ23** ) **SANDEEP KUMAR SINGH**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 12-JAN-21
- (v) Prev.inspection date : 22-NOV-19

**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 : M/S ULTRA TECH CEMENT LTD.  
correspondance : 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	05	nil	plan revised in 19-20
1b	Exploration over lease area for geological axis 1 or 2	08 nos	08 nos	All Mineralized potential area explored in G1 level.,G1: 317 Ha. drilling done as proposed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	M/s Central Drilling Associates carried out exploration during 2019-20. Core drilling expenses: Rs 421662/- Core boxes: Rs 27650/- Sample preparation: Rs 41475/- Logging: Rs 27650/- Total expenditure: Rs. 5,18,437/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	nil	
1e	Balance reserve as on 01/04/20		111-41.281 MnT	Updated up to 01.04.2020 120 hectare Area is under infrastructure.135 hectare is non mineralized.Only 1-2 hect. area left is small patches.114+8 BH are done in the area.

1f	General remarks of inspecting officers on geology, exploration etc	2 scattered small patches left as they dont have mining potential.120 hectare area which is non mineralised under infra(approx 135 hect non mineralized.).all area in lease is explored.lease is explored by 122 boreholes.the deposit is bedded,staratiform and tabular of regular habit.limestone upto 280 MRL is considered in reserve.
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit C: E 531610 to 532115 & N 2688890 to 2689200	Pit C: E 531662 to 531816 & N 2689020 to 2689200	As per Proposal
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil-1, Over burden-3, Ore -3	Top soil-1, Over burden-3, Ore -3	
2c	Stripping ratio or ore to OB ratio	1:1.0	1:0.62	
2d	Quantity of topsoil generation in m3	22743	1560	
2e	Quantity of overburden generation in m3	1503897	756272	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Within limit. Benches of 2-8 mtr, average 6-8 mtr maintained as per limestone and waste. pit is worked from 328 to 280 MRL. Bench of 8 mtr by 12 mtr in general are maintained.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	1500000	1212848	Enhanced capacity production proposal: 1500000 Existing EC Capacity: 1250000
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	No Mineral rejects found.
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	No Mineral sub grades
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	N/A	N/A	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N/A	N/A	
3j	Provision of drilling and blasting in mineral benches	Yes	Yes	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
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	60.97	50.236	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.0	1:0.62	
3o	Total area put in use under different heads at the end of year	222.87	209.84	As on date
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 1250000 2016-17: 2062818 2017-18: 2700000 2018-19: 2700000 2019-20: 1500000	2015-16: 1062395 2016-17: 831492 2017-18: 1248667 2018-19: 1243756 2019-20: 1212848	

3q	General remarks of inspecting officers on method of mining etc.	Benches of 2-8 mtr, average 6-8 mtr maintained as per limestone and waste.pit is worked from 328 to 280 MRL.Bench of 8 mtr by 12 mtr in general are maintained.product ion has been done upto Ec limit.
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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	Top soil used concurrently
4b	Location of topsoil, OB and mineral reject dumps	---	E 531692 to 532200 & N 2688700 to 2689030	OB Dump Location/violation pointed out for not doing backfilling.
4c	Number of dumps within lease area and outside of lease area	3	3	Active dump within the lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-	-	Dump outside of UPL
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	2	2	
4g	Number of dumps established.	0	0	Dump active in nature
4h	Whether Retaining wall or garland drain all along dumps are there.	Along dumps and pits	GD above pits, and along existing dump.	dump no2 toe bund and drain missing.violation given.

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4i	Length of Retaining wall or garland drain all along dumps	RW/drain: 222m	RW/drain : 150m	missing in dump 2 .violation given.
4j	Number of settling ponds	1	1	Quantum of backfilling less, Garland drain with Toebund is not made all along dump No. 2.
4k	Specific comments of inspecting officer on waste dump management			Quantum of backfilling less, Garland drain with Toebund is not made all along dump No. 2.violation pointed out for backfilling and drain along not maintained.

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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.	upto economical depth.	upto economical depth.	
5b	Area under backfilling of mined out area	9.17 Ha	0.32 Ha	During current year
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Yes, used in plantation work	Utilized In road barrier zone & periphery of mine lease.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling started in Pit-B. But the extent of backfilling planned 9.17 hect is not done. violation issued.
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#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	PMCP report sent to IBM for FY 2019-20.
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	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	no proposals under worked out benches/mined out benches category.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D		11.82 Ha.	area available for back filling

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	9.17 Ha.	0.32 Ha	
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	na	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	nil	na	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	1000 Nos. on dump.	400 nos	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1.0 Ha.	0.5 Ha.	not done on dump no-3 to cover 1 hect area.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	By plantation	By plantation	

6p	Compliance of environmental monitoring (core zone and buffer zone)	monitoring.	.monitoring is done.Within Permissible limits	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation to be done on dumps.Dump No. 3,plantation was not done over an area of 1 hectare area.It was short by 0.5 hectare area(approx.) and 400 Nos.Proposal of 1 hect and 1000 Nos.

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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 dispatch	Rom dispatch to crusher	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NP	Nil	
7c	Different grade of mineral sorted out at mines.	NP	Nil	
7d	Any beneficiation process at mines .	NP	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Excavated ROM is sent to crusher for crushing and transported to factory near by.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Yes	As per proposal	No stacking, concurrent use in planation work
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	baseline nil,	Additional 2000 saplings planted	
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Barrier plantation and some plantation on old dumps is seen.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly Returns till December-2020 & Annual Returns for 2019-20 submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Name of the Mining Engineer, Geologist and Manager: SK Sreenubabu Geologist: Gaurav Tripathi M.E: Santosh Singh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area- 60.796 Ha. Waste Dump: 18.003 Ha. Infra-120.690 Ha.	WITH IN FA LIMITS	
9d	Scrutiny of Annual return on afforestation	2000 SAPLINGS		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		NIL,NO Rejects generated.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	No stocks ore maintained at mines	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value - 0 Ex-Mine price: Rs. 237.70/- Production costs: Rs. 237.70/- (Captive use)		Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets	FA: 229,42,62,424 All 7 mining leases included.	Fixed assets as per Annual Returns	FA: 2294262424 All 7 mining leases included.

9k      Scrutiny of      As per Annual      LIST OF MACHINERY GIVEN.  
Annual return on Returns.  
mining      Shovels-2.6M3-  
machineries      1,3.5M3-1,  
                         Dumper 35T-  
                         06,Dumper 40T-  
                         2,Dozer-  
                         1,Water  
                         Tanker-12KL

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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)	27-APR-21	13-MAY-21				

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines