

I/34030/2024

**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. : **8025) IBRAHIM SHARIEF**
- (ii) Designation : Deputy Controller Mines  
Shri Bharat Gokharu (Agent)
- (iii) Accompanying mine Official with Designation : Shishir Kumar Tamrakar (Mines Manager) Shri Kapil Ojha (Geologist)
- (iv) Date of Inspection : 21-NOV-22
- (v) Prev.inspection date : 12-JAN-21

**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,Sarda,etc.  
Taluka : Rampur Naikin  
Post office : Bharatpur  
Pin Code : 486776  
FAX No. : 07802-276715  
E-mail : pratyendra.upadhyay@aditya  
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 : 50
- (d) Date of Expiry : 20-MAR-57
4. Mineral worked : LIMESTONE Main

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## 5. Name and Address of the

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

Owner : K.C Jhanwar  
 B-Wing Ahura Center 2nd Floor Mahakali Caves Road, Andheri (East),  
 Mumbai-400093  
 Date of Appointment: 19.10.2018 Phone:9702049870  
 Email: [kailash.jhanwar@adityabirla.com](mailto:kailash.jhanwar@adityabirla.com) Phone:  
 FAX : 91-22-66917800

Agent : Shri Bharat Gokharu  
 Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)  
 Date of Appointment: 25.05.2022 Phone: 9785401083  
 Email: [bharat.gokharu@adityabirla.com](mailto:bharat.gokharu@adityabirla.com)  
 FAX : (08654) 285011-18

Mining Engineer Name : Shri Shishir Kumar Tamrakar  
 Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776  
 Qualification : B.E. (MINING)  
 Appointment/ Termination date : Date of Appointment: 15.09.2021 Phone:  
 9826365258 Email: [s.tamrakar@adityabirla.com](mailto:s.tamrakar@adityabirla.com)

Geologist Name : Shri Kapil Ojha  
 Aditya Vihar, Post: Bharatpur, Rampur Naikin, Sidhi (MP)-486776  
 Qualification : Date of Appointment: 3 SEP.2021  
 Appointment/ Termination date : M.Sc Geology  
 Phone: 8309740634  
 Email: [kapil.ojha@adityabirla.com](mailto:kapil.ojha@adityabirla.com) Fax No. (08654) 285011-18

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

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	nil	
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	nil	All potential mineralised area had been explored in G1 level. G1: 317 Ha.drilling done as proposed.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	Nil	M/s Central Drilling Associates carried out exploration during 2019-20. Core drilling expenses:Rs 421662/- Core boxes: Rs27650/- Sample preparation: Rs41475/- 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		111-39.29 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.

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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	1:0.56	1:0.15	
2d	Quantity of topsoil generation in m3	23436	1560	
2e	Quantity of overburden generation in m3	1503897	177923	
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 in limestone and waste. Development is carried out as proposed

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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	882946	Less production due to less demand from cement plant
3c	Recovery of sailable/usable mineral from ROM production	80%	100%	
3d	Quantity of mineral reject generation	Not proposed	Nil	No Mineral rejects found.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not proposed	Nil	No subgrade mineral generated
3g	Grade of sub grade mineral generation	Not proposed	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	N/A	

I/34030/2024	3i Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	N/A
	3j Provision of drilling and blasting in mineral benches	Yes Drilling to be carried out by hydraulically operated DTH drills. Conventional blasting using ANFO and slurry with use of millisecond delay/ NONEL detonator	Yes, Drilling and Blasting carried out as per proposal
	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	The proposed height of benches in OB and Mineral is 6m and 8 m respectively.	Yes, Bench height of 08 meters maintained
	3m Total area covered under excavation/pits	60.97	53.762
	3n Ore to OB ratio for the pit/mine during the year.	1:0.56	1:0.15
	3o Total area put in use under different heads at the end of year	222.87	209.84
	3p Production of	2018-19: 2700000 2019-20: 1500000 2020-21: 1500000 2021-22: 1500000	2018-19: 1243756 2019-20: 1212848 2020-21: 1249966 2021-22: 882946

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

Benches of 2-8 mtr, average 6-8 mtr maintained, Mechanised method of mining is adopted with deployment of HEMM

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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	Concurrent reuse of 23436 cum topsoil have been proposed	Topsoil generated 13332 cum has been utilized in the plantation	& N .
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)	WD1 and WD2 within UPL and WD3 partly within 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.	Retaining wall: Nil Garland drain: Nil Earthen along Pit C towards the Northern side	Earthen bund: 263m along Pit C towards the Northern side	

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4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	1	1	
4k	Specific comments of inspecting officer on waste dump management			Earthen bund: 263m along Pit C towards the Northern side.

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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.	Up to economical depth.	Up to Economical depth.	
5b	Area under backfilling of mined out area	1.5 Ha	1.50 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.
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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	Annual report on PMCP submitted for FY 2021-22.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	Not mentioned	About 1 ha area	
6d	No. of saplings planted during the year	1000	2000	
6e	Cumulative no .of plants	No proposal	About 30000 saplings planted	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	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	1.5 Ha	1.5 Ha.	

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.0 Ha.	1.0 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	2000 Nos.	2000
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1.0 Ha.	0.5 Ha.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	By plantation	By plantation

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring is To be carried out.	monitoring is Done. Results are Within Permissible limits	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation was not done over an area of 1 hectare area with 2000 Nos to improve aesthetic beauty.

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**Mineral Conservation:**

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM produced is to dispatch	Rom Produced is being dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Proposed	Nil	
7c	Different grade of mineral sorted out at mines.	Not Proposed	Nil	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Excavated ROM is sent to crusher for crushing and transported to cement plant nearby.

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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 Concurrent reuse of topsoil has been proposed	Top soil is being used as proposed	No stacking, concurrent use in planation work
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes		
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, Overburden generated was proposed to be disposed of in the area designated for backfilling in the Majhgawan pit	Yes done as proposed	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-		Additional 2000 saplings planted
8g	Survival rate	80%	80%	
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			Aesthetic beauty in and around mines is maintained

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## Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly Returns till October-2022 & Annual Returns for 2021-22 submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Manager: Shishir Kumar Tamarkar Geologist: Kapil Ojha Are employed	
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.	within FA limits	
9d	Scrutiny of Annual return on afforestation	2000 Saplings	Planted during the year	
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 found at mines	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value - 0 Ex-Mine price: a And Production costs: Rs. Rs. 669.05/- (Captive use)		Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets	FA: 208,42,04,108	Fixed assets as per Annual Returns	

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9k	Scrutiny of Annual return on mining machineries	As per Annual Returns. Shovels-2.1M3- 1,3.5M3-1, Dumper 35T- 06,Dumper 40T- 2,35T-5, Dozer- 1, Motor Grader- 1, Water Tanker-12KL	LIST OF MACHINERY GIVEN.
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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

**Date:**

(IBRAHIM SHARIEF)

Indian Bureau of Mines