

**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 : **NQ07**) **PUKHRAJ NENIVAL**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri S K Sinha, Agent, Shri Santosh Singh, Manager
Official with
Designation
- (iv) Date of Inspection : 20-AUG-21
- (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 : sandeepk.sinha@adityabirla
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 : K. C .JHANWAR
A wing,Ahura Centre, 1st
floor, Maha kali Caves
Road, Andheri (East), Mumbai
400093 SIDHI MADHYA PRADESH
Phone: +912228244770
FAX : +912266917400

Agent : S K SINHA
Aditya Vihar, Post:
Bharatpur, Rampur, Naikin,
Sidhi (MP) SIDHI MADHYA
PRADESH
Phone: 9425811084
FAX :

Mining Engineer

Name : Dahima Piyush Kumar Bhikhabhai, Full Tim
Qualification : BE MINING
Appointment/ : 01-MAY-19
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	NIL	NIL	No proposal for exploratory holes in the reporting year
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1= 289.57Ha. G3= 42.61 Ha.	Total area=362.680 Ha. G1= 289.57 Ha. G3= 42.61 Ha.	
1e	Balance reserve as on 01/04/20		111- 40.177 MnT	
1f	General remarks of inspecting officers on geology, exploration etc			The limestone of Majhgawan lease area belongs to Rohtas Stage of Semri Series of Lower Vindhyan System of Indian Stratigraphy. Ghaghar quartzite overlies the Rohtas Stage that forms a part of the Kaimur Hills. The regional strike of limestone deposit is ENE - WSW with a northerly dip varying from 50 to 100 into the hills. Lithological sequence; Top soil with scree material Sand stone pebbles Limestone

 Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N: 532479 to532850 E: 2689036 to 2689369	N: 532486 to532845 E: 2688880 to 2689358& N: 531627 to 531849 E: 2689021 to 2689225	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Top soil-0, Over burden-1, Ore -4	Top soil-0, Over burden-1, Ore -4	
2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.14	
2d	Quantity of topsoil generation in m3	8287 m3	8040 m3	Used concurrently
2e	Quantity of overburden generation in m3	165744 m3	182800 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

 Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01 pit	02 pit	
3b	Quantity of ROM mineral production proposed	1500000 Tons	1249966 Tons	Production kept under existing EC capacity (1.25MnT/Year)
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	ROM sent to crusher.

3d	Quantity of mineral reject generation	No Mineral rejects found.	No Mineral rejects found.	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	No Mineral sub grades	No Mineral sub grades	
3g	Grade of sub grade mineral generation	No Mineral sub grades	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Yes, 6"drill Atlas Copco D-50 and ROC	As per proposal	
3k	Provision of mining machineries in mineral benches	Yes, 3.5 M3 & 2.6 M3 Shovels, ,40 T CAT Dumpers & 35 T capacity Tippers	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes,	As per proposal	Yes, suitable
3m	Total area covered under excavation/pits	54.54 Ha	51.019 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.14	T:M3

3o	Total area put in use under different heads at the end of year	216.44 Ha	211.60 Ha
3p	Production of ROM mineral during the last five year period as applicable	2016- 17:2062818 2017- 18:2700000 2018- 19:2700000 2019-20: 1500000 2020-21: 1500000	2016-17: 831492 2017-18: 1248667 2018-19: 1243756 2019-20: 1212848 2020-21: 1249966
3q	General remarks of inspecting officers on method of mining etc.		

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	Only separate OB dumping
4b	Location of topsoil, OB and mineral reject dumps			No dumping in reporting year. OB generated used in backfilling directly. No mineral reject.
4c	Number of dumps within lease area and outside of lease area	03	03	Active dump within the lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Part within ultimate pit limit	Part within ultimate pit limit	Part of the Dump is planned to be re-handled
4e	Number of active and alive dumps.	03	03	

4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	03	03
4h	Whether Retaining wall or garland drain all along dumps are there.	Along dumps and pits	GD above pits and existing dump
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall : 376 m Garland drain : 0 m	Retaining wall : 165 m Garland drain : 50m
4j	Number of settling ponds	Not proposed	Not applicable
4k	Specific comments of inspecting officer on waste dump management		

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.	Part of area in Majhgawan Pit (1.15 ha. Area proposed)	Backfilling done in 1.96 Ha. area	
5b	Area under backfilling of mined out area	1.15 Ha.	1.96 Ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Yes, used in plantation work	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e General remarks
of inspecting
officers on
backfilling and
reclamation etc.

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).		Submitted in time	
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	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	1.15 Ha	Backfilling done in 1.96 Ha.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	2000 nos. sapling plantation	1000 nos. plantation done on dump slopes	
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	Nil	1000 Nos. 0.50 Ha. By plantation	Plantation on Non-mineralized area
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	1000 Nos. 0.50 Ha. By plantation	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation		Plantation on Non-mineralized area.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Within Permissible limits	Within Permissible limits	Quarterly basis

6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Dispatch	ROM dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not applicable	
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 and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	Concurrent

8b	Concurrent use or storage of topsoil	Concurrent	As per proposal	No stacking, concurrent use in plantation work
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes for waste	As per proposal Made for waste	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	By means of backfilling in some part of Majhgawan pit	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes Proposed	Being done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline 33027 Nos.	Additional =2000 Nos.	
8g	Survival rate	>85%	90%	
8h	Water sprinkling on roads to control airborne dust	Yes	Regular water sprinkling on haul roads and static water sprinklers installed at crusher ramp	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		Monthly Returns till July-2021& Annual Returns for 2020-21 submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Name of the Mining Engineer, Geologist and Manager: Manager: Shri Santosh Singh Geologist: Not appointed Mining Engr: Shri Dahima Piyush Kumar Bhikhabhai	Violation has been pointed out for Rule 55(1).
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Land use pattern as per Annual Returns
9d	Scrutiny of Annual return on afforestation	Afforestation as per MP and AR	1000 Nos. with 85% survival rate
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		As per Annual Returns proposal, However no mineral reject generated during the year
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Found in order
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value:0 Ex-Mine price: Rs. 451.33/- Production cost: Rs. 451.33/-	Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets		Value of fixed assets: Rs. 2,23,37,00,163
9k	Scrutiny of Annual return on mining machineries		Violation has been pointed out for mining Machinery Record.

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)	30-AUG-21				
MCDR17 Rule 54(c)	30-AUG-21				
MCDR17 Rule 55(1) (1)	30-AUG-21				

Date :

(PUKHRAJ NENIVAL)

Indian Bureau of Mines