

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/DHAR/LST-58

**Mine code :** 38MPR12076

- (i) Name of the Inspecting : **K006** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Omprakash Khelkar, Shri Naval Kishore Sharma, Sh  
Official with  
Designation
- (iv) Date of Inspection : 18-SEP-21
- (v) Prev.inspection date : 22-DEC-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MOHANPURA LIMESTONE MINE (**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : DHAR  
Village : MOHANPURA  
Taluka : GANDHWANI  
Post office : GANDHWANI  
Pin Code : 454446  
FAX No. : +912266928109  
E-mail : kk.maheshwari@adityabirla.c  
Phone : +912266917800
- (f) Police Station : Dhar
- (g) First opening date : 28-SEP-17
- (h) Weekly day of rest : SUN
2. Address for : M/S ULTRATECH CEMENT LIMITED  
correspondance : B' Wing, Ahura Centre, 2nd floor,  
Mahakali caves road, Andheri(E), Mumbai 400 093
3. (a) Lease Number :  
(b) Lease area :  
(c) Period of lease :  
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the  
Lessee : M/S ULTRATECH CEMENT LIMITED  
NAYAGAON KANKA KHOR  
VILLAGES KHOR POST JAWAD  
TAHSIL NIMACH MADHYA  
PRADESH  
Phone:07420230109  
FAX :07420235524

6. Date of approval of Mining :  
Plan/Scheme of Mining

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	70 nos. of Borehole and 2679 m	NIL	No exploration was done against the proposed 70 exploratory boreholes (2679 m). Violation is pointed out under rule 11(1) of MCDR-2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Specified	Not done.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	857 Ha	G1:110.4 Ha G2:58.52 Ha. 857 Ha is required to be explored.	No exploration was done against the proposed 70 exploratory boreholes (2679 m). Violation is pointed out under rule 11(1) of MCDR-2017.
1e	Balance reserve as on 01/04/20		Balance reserve as on 01/04/2021 7 Million tones	

1f	General remarks of inspecting officers on geology, exploration etc	Limestone deposit is simple sedimentary bedded type and no structural/ tectonic disturbance observed. The Bagh Beds are commercial significance as they mainly comprise of Coralline Limestone, Nodular Limestone, Calcareous clay and upper Clay, eminently suitable for Lime and Cement manufacturing The lithological is found Basalt, Quartzitic Sandstone, Upper clay, Coralline limestone, Calcareous clay, Nodular limestone, Shale, Nimar Sandstone, Granit, The Deposit is almost Horizontal in nature.
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Easting: 507621 to 507854 Northing: 2473483 to 2473620	Easting: 507680 to 507850 Northing: 2473495 to 2473615	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	One OB bench & one Limestone bench.
2c	Stripping ratio or ore to OB ratio	1:0.13	1:1.38
2d	Quantity of topsoil generation in m3	924 m3	3075 m3
2e	Quantity of overburden generation in m3	9548 m3	34889 m3
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Mine development was proposed in 3.08 Hect area. but, only 2.02 Hect area excavated against the proposal. Violation pointed out for the same under rule 11(1) of MCDR-2017.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	201163 Tonnes	72009 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed	ROM directly dispatched to captive plant as per available records.	
3d	Quantity of mineral reject generation	NIL	NIL	

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3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable	Not applicable	
3j	Provision of drilling and blasting in mineral benches	No	No	No drill machine deployed. Material directly excavated by back hoe.
3k	Provision of mining machineries in mineral benches	Yes	Yes	1 No. of back hoe & 5 Nos. of tippers.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Bench height in limestone is 4.5 m & bench height in O.B
3m	Total area covered under excavation/pits	3.08 Hect	2.02 Hect.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.13	1:1.38	

3o	Total area put in use under different heads at the end of year	Area Under Mining: 3.76 Ha Top soil Dump: 0.28 Ha Waste Dump: 1.57 Ha Mineral Storage: 0.50 Ha Infrastructure : .025 Ha Roads: 2.35 Ha Green Belt: 0.4 Ha Other: 0.36 Ha.	Area Under Mining: 2.02 Ha Top soil Dump: 0.33 Ha Waste Dump: 0.94 Ha Mineral Storage: 0.00 Ha Infrastructure: .01 Ha Roads: 0.92 Ha Green Belt: 1.10 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2020-21 201163 2019-20 110000 2018-19 50000 2017-18 30000 2016-17	2020-21 72009 2019-20 2137 2018-19 17 2017-18 0 2016-17 0	Mines was open on 29-07-2017
3q	General remarks of inspecting officers on method of mining etc.			Fully Mechanized Opencast Method.

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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	Done	As per proposal
4b	Location of topsoil, OB and mineral reject dumps	Easting: 507692 to 507732 Northing: 2474399 to 2474416	Easting: 507679 to 507741 Northing: 2474344 to 2474427	
4c	Number of dumps within lease area and outside of lease area	Two	Two	1 waste Dump & 1 Top soil Dump and no dump outside ML area.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Temporary dumps	Temporary dumps	
4e	Number of active and alive dumps.	1 waste Dump & 1 Top soil Dump and no dump outside ML area.	1 waste Dump & 1 Top soil Dump and no dump outside ML area.	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Not applicable	Not applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not applicable	
4j	Number of settling ponds	Not Proposed	Not done	
4k	Specific comments of inspecting officer on waste dump management			Over burden is being dumped systematically at location as per approved mining plan.

#### 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.	Not applicable	Mineral partly extracted	Area not matured for backfilling.
5b	Area under backfilling of mined out area	Not applicable	Not applicable	Area not matured for backfilling.



5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Top soil dumped seperately for future use.	
5d	Total area fully reclaimed and rehabilitated	Not applicable	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling.

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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	Submitted on 20-05-2021
6b	Area available for rehabilitation (ha) .	No Proposal	No Proposal	
6c	afforestation done (ha) .	No Proposal	No Proposal	
6d	No. of saplings planted during the year	No Proposal	No Proposal	
6e	Cumulative no .of plants	No Proposal	No Proposal	
6f	Any other method of rehabilitation	No Proposal	No Proposal	
6g	Cost incurred on watch and care during the year	No Proposal	No Proposal	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	No Proposal
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	No Proposal
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No Proposal	No Proposal
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	No Proposal
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Proposal	No Proposal
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1000 no. of sapling over an area :0.40 Ha Green Belt Development.	1500 no. of sapling over an area :1.10 Ha Green Belt Development.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1000 no. of sapling over an area :0.40 Ha Green Belt Development.	1500 no. of sapling over an area :1.10 Ha Green Belt Development.

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)	Yes	Done	Monitoring done at 4 monitoring stations in and around mines.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report submitted on dated: 20/05/2021.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	201163 MT	72009 MT	100 % ROM dispatched to plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines .	No	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM directly dispatched to captive plant as per available records.

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Top soil stack observed in the lease area for future use.	
8b	Concurrent use or storage of topsoil	Storage of topsoil.	Stored and Utilized	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	One OB dump observed in the lease area as per approved document.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done in Review Year	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Not done.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2020-21: 1000 2019-20: 1000 2018-19 :1000 2017-18 :1000	2020-21 no. of sapling planted 1500 2019-20 no of sapling planted 0.00 2018-19 No of saplings planted 1040 2017-18 No of sapling planted 4500	
8g	Survival rate	80%	94.67%	
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	Plantation observed in the green belt.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly Return submitted for the year 2020-21 in time. Annual Return for the RY 2020-21 submitted on 24/05/2021.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer: Mr. Naval Kishore Sharma  Geologist: Mr. Santosh Sharma	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Area Under Mining: 2.02 Ha Top soil Dump: 0.33 Ha Waste Dump: 0.94 Ha Mineral Storage: 0.00 Ha Infrastructure: .01 Ha Roads: 0.92 Ha Green Belt: 1.10 Ha	
9d	Scrutiny of Annual return on afforestation	Yes	Green Belt: 1.10 Ha (No. of Sapling 1500).	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	No mineral reject.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	100% ROM dispatched to the Cement Plant.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Sale Value: NA Ex-mine price: 274.32 Rs./MT Production Cost- 91.69 Rs./MT	
9h	Scrutiny of Annual return on fixed assets	Yes	241 Crore including land.	
9k	Scrutiny of Annual return on mining machineries	Yes	Mining Machinery deployed as per submitted annual return.	1 No. of back hoe & 5 Nos. of tippers.

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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)	04-OCT-21			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines