

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

**Check up inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/SATNA/LST-375

**Mine code :** 38MPR35349

- (i) Name of the Inspecting : **NQ07** ) **PUKHRAJ NENIVAL**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri S K Sinha, Sr VP, Shri Ashish Meshram, Geologis  
Official with  
Designation
- (iv) Date of Inspection : 21-APR-22
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HINAUTI EXTN. MINE 258.86**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : SATNA  
Village : HINAUTI  
Taluka : RAM NAGAR  
Post office : HINAUTI  
Pin Code : 485881  
FAX No. : 09285-108963  
E-mail : mukesh.k.kumar@adityabirla  
Phone : 09285-108963 Ext. 416
- (f) Police Station : Ramnagar
- (g) First opening date : 21-JAN-19
- (h) Weekly day of rest : SUN
2. Address for :  
correspondance :
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

Owner : ULTRA TECH CEMENT LTD.  
UNIT- BIRLA WHITE, D7,  
SHASHI NAGAR JODHPUR  
(RAJASTHAN) 342003 JODHPUR  
RAJASTHAN  
Phone:  
FAX :

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 05-JUL-19  
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	22 nos	Nil	Violation pointed out for same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2		146.007 ha	
1e	Balance reserve as on 01/04/20		31.318 Million tone	

1f	General remarks of inspecting officers on geology, exploration etc	The limestone of Hinauti Extension 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. Semri Series overlies Glauconite Beds of Son Valley area. The regional strike of limestone deposit is ENE - WSW with a northerly dip varying from 10° to 15° into the Hills. There is still 146 hectare area to be explored. 11 nos boreholes for year 19-20 have not been done.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E 529740 to E 530276 & N 2688496 to 2688688	E 529740 to E 530009 & N 2688496 to 2688680	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	O/B - 2 Limestone -3	O/B - 2 Limestone -3	Separate Benches for OB
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.94	

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2d	Quantity of topsoil generation in m3	135 Cubic meter	150 Cubic meter
2e	Quantity of overburden generation in m3	333090 Cubic meter	340369 Cubic meter
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1000000 Tone	362244 Tone	It was proposed to produce 1000000 metric tons of Limestone in the year 2021-22 but only 362244 tons production is achieved. Violation pointed out for same.
3c	Recovery of sailable/usable mineral from ROM production	NA	Na	
3d	Quantity of mineral reject generation	No Mineral rejects proposed.	No Mineral rejects found as per records.	
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	

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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 proposed	Not applicable
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	13.24 ha	11.859 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	1:0.94
3o	Total area put in use under different heads at the end of year	19.62 ha	17.849 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 : 500000 T 2018-19 : 500000 T 2019-20 : 1000000 T 2020-21 : 1000000 T 2021-22 : 1000000 T	2017-18 : 37976 T 2018-19 : 489750 T 2019-20 : 310715 T 2020-21 : 469838 T 2021-22 : 362244 T

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

It was proposed to produce 1000000 metric tons of Limestone in the year 2021-22 but only 362244 tons production is achieved. Violation pointed out for same.

#### 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. No separate stacking of top soil & Mineral reject.
4b	Location of topsoil, OB and mineral reject dumps	E 528962 to 529173 & N 2688482 to 2688660	E 529322 to 529177 & N 2688536 to 2688686	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	With in UPL	With in UPL	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	01	01	
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	110m 314m	110m 350m	

4j	Number of settling ponds	Not proposed	01	
4k	Specific comments of inspecting officer on waste dump management			Over burden dump created is on mineralized area. Violation pointed out for same.

#### 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	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil to be used for plantation	Top-Soil used for plantation	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area matured for backfilling

#### 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	The yearly report in respect of rule 26(2) of MCDR 2017 has been submitted for the year 2020-21.	



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	Nil	Nil
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 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 1 ha	2000 nos 1 ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.0 Ha.	1.0 Ha.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	under permissible limits	with in permissible limits	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The yearly report in respect of rule 26(2) of MCDR 2017 has been submitted for the year 2020-21.

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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 dispatch	ROM mineral dispatch	No grade wise sorting

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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.	Nil	Nil	
7d	Any beneficiation process at mines .	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM directly dispatched to captive plant as per provided records.

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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	Not stacked separately, directly used for plantation as per provided information.	
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	Area not matured for backfilling as per provided information.	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	Plantation done in the waste land	
8g	Survival rate	80 % approx.	80 % approx.	
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			Overall mine cleanliness is good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly Returns till March 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: Surendra Nath Tiwari Geologist: Om Prakash Tiwari M.E: Pranay Namdeo Rao Gajbhiye	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as per Annual return. Pit: 11.859 ha. Dump: 2.472 ha. Roads: 0.700 ha
9d	Scrutiny of Annual return on afforestation	2000 Nos. Afforestation done in waste land.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral rejects as per AR
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per proposal
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine Price & Cost of Production is same in case of captive lease
9h	Scrutiny of Annual return on fixed assets	2294262424 For all 7 mining leases
9k	Scrutiny of Annual return on mining machineries	Type of machinery Capacity of each unit No.of units BACK HOE 1.2 Cum 1 BACK HOE 2.1 Cum 1 DUMPER 25.0 Tone 13 ROCK DRILL (NONELEC.) 4.00 MM 1 DOZER 275.000 HP 1 WATER TANKER 12000.000 LITRE 1 ELEC. MOTOR 7.000 HP 1 Type of machinery Capacity of each unit No.of units BACK HOE 1.2 Cum 1 BACK HOE 2.1 Cum 1 DUMPER 25.0 Tone 13 ROCK DRILL (NONELEC.) 4.00 MM 1 DOZER 275.000 HP 1 WATER TANKER 12000.000 LITRE 1 ELEC. MOTOR 7.000 HP 1

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**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)	05-MAY-22	20-MAY-22				
MCDR17	Rule 45(7) (a)	05-MAY-22	20-MAY-22				
MCDR17	Rule 55(1) (1)	05-MAY-22	20-MAY-22				

**Date :**

**(PUKHRAJ NENIVAL)**

Indian Bureau of Mines