

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/SATNA/LST-331

**Mine code :** 38MPR35310

- (i) Name of the Inspecting : **KQ06** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Shri P K Upadhyay (Agent), R K Srivastava (Mine Man  
Official with  
Designation
- (iv) Date of Inspection : 23-NOV-19
- (v) Prev.inspection date : 16-JAN-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HINAUTI (378.261 HA)**
- (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, BIHARGANJ,  
Taluka : RAMNAGAR  
Post office : HINAUTI  
Pin Code : 485881  
FAX No. : NA  
E-mail : ajit.ostwal@adityabirla.cor  
Phone : 07802- 276701, 276714
- (f) Police Station : RAMNAGAR
- (g) First opening date : 20-OCT-09
- (h) Weekly day of rest : SUN
2. Address for : ULTRA TECH CEMENT LTD.  
correspondance : SIDHI CEMENT PLANT,  
P.O. BHARATPUR, DIST. SIDHI (M.P.)
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 : ULTRATECH CEMENT LIMITED  
 SIDHI CEMENT WORKS.VILL.  
 MAJHIGAWAN PO BHARATPUR  
 DISTT. SIDHI SIDHI MADHYA  
 PRADESH  
 Phone:  
 FAX :

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

## Mining Engineer

Name : RAJ KUMAR SINGH, Full Time  
 Qualification : DEGREE IN MINING ENG FROM CALCUTTA UNIVE  
 Appointment/ : 18-DEC-10  
 Termination date

## Geologist

Name : SUNIL KR. DWIVEDI., Full Time  
 Qualification : M SC GEOLOGIST  
 Appointment/ : 14-JUN-10  
 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	28-NOV-14
	:	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	
1b	Exploration over lease area for geological axis 1 or 2	G1 & G3: 378.261 ha	G1: 376.261 Ha.	Remaining 2 Ha. area lying in safety barrier of HT line.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	21.03 Million Tones	21.05 Million Tones	
1f	General remarks of inspecting officers on geology, exploration etc			02 Ha. area is not in G-1 axis due to lying in safety barrier of HT line.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 528260 to 528920 & N 2687800 to 2688110	E 529700 to 529900 & N 2688250 to 2688330	The development was deviated from the approved proposal for the year 2018-19. Violation is issued for the same.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	Separate benches for OB
2c	Stripping ratio or ore to OB ratio	1:0.35	1:0.23	Violation pointed out for the same.

2d	Quantity of topsoil generation in m3	1500 m3	390 m3	Violation is issued for the above.
2e	Quantity of overburden generation in m3	351364 m3	226656 m3	Violation is issued for the above.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The development was lagged and deviated from the approved proposal for the year 2018-19. Violation is issued for the same.

#### 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	10,00,000 te	9,84,747 te	
3c	Recovery of sailable/usable mineral from ROM production	ROM to be dispatched in captive plant directly.	Complete ROM dispatched in plant as per provided records.	
3d	Quantity of mineral reject generation	No Mineral rejects proposed.	No Mineral rejects found.	
3e	Grade of mineral rejects generation and threshold value declared.	No mineral rejects proposed in approved document.	NA	
3f	Quantity of sub grade mineral generation.	No Mineral sub grades proposed	No Mineral sub grades produced as per provided records.	
3g	Grade of sub grade mineral generation	N/A	N/A	

3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not done.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not done	
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	21.59 Ha	16.489 Ha	Area covered under excavation is less than the proposed in approved document due to less development. Violation pointed out for the same.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.35	1:0.23	Violation pointed out for the same.
3o	Total area put in use under different heads at the end of year	56.48 Ha	42.29 Ha	

3p	Production of ROM mineral during the last five year period as applicable	2014-15: 10,00,000 te 2015-16: 978100 te 2016-17: 10,00,000 te 2017-18: 10,00,000 te 2018-19: 10,00,000 te	2014-15: 914238.00 te 2015-16: 249241.00 te 2016-17: 38285.00 te 2017-18: 39476.00 te 2018-19: 984747.00 te
3q	General remarks of inspecting officers on method of mining etc.		

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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	Separate dumping of OB
4b	Location of topsoil, OB and mineral reject dumps	Backfilling: E E 530450 to 528502 to 528611 & N 2687883 to 268800	E E 530450 to 2688350 to 2688400	The dump location deviated from the approved proposal for the year 2018-19. Violation is issued for the same
4c	Number of dumps within lease area and outside of lease area	Within Lease: 01(one)	Within Lease: 01(one)	No dump outside lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	With in UPL	With in UPL	All dumps are temporary
4e	Number of active and alive dumps.	01(one)	01(one)	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	

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4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain along the dumps proposed	Yes	
4i	Length of Retaining wall or garland drain all along dumps	To maintain the previously developed garland drain about 800 mtrs.	Maintained as per proposal.	
4j	Number of settling ponds	one settling pond proposed	one pond maintained as per proposal.	
4k	Specific comments of inspecting officer on waste dump management			Waste dump management is being done as per proposal.

#### 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 of mineral proposed in the approved document.	Area not matured for backfilling.	
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)	Stacking of the top soil for future used for restoration & rehabilitation	Top soil stacked.	Top-Soil generation quantity is very less.
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling.

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 Progressive Mine Clousre Plan:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Annual report on PMCP to be submitted with in stipulated time as per rule.	Annual report submitted.	
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	

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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	Not proposed	Not done.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not done.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	1.5 Ha	1.5 Ha
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1.5 Ha.	1.5 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)	Yes	with in permissible limits as per provided records.

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 mineral dispatch from the mine site to captive plant	As per proposal.	No grade wise sorting as per provied records.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not done as per provided records.	
7c	Different grade of mineral sorted out at mines.	N/A	N/A	
7d	Any beneficiation process at mines .	NO	NO	
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	

8b	Concurrent use or storage of topsoil	Yes	Top soil used for plantation in the waste land due to less quantity generation as per provided records.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	Separate dumps of OB found during inspection.
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)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No	No	
8g	Survival rate	Not proposed	80 % as pre provided information during site visit.	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Water sprinkling being done for arresting dust during inspection.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			General cleanliness of the mine was 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	MR and AR are to be submitted with in stipulated time as per rule.	MR from Apr-18 to Mar-19 & AR for 2018-19 submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Name of the Mining Engineer, Geologist and Manager Manager: Rajnish Srivastava Geologist: Om Prakash Tiwari M.E: Raj Kumar Singh	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Land use pattern as per AR	
9d	Scrutiny of Annual return on afforestation	Yes	Afforestation as per MP and AR	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	As per proposal	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value,- 0 Ex-Mine price - Rs. 245.63 Production costs- Rs. 245.63	Found as per provided records.	
9h	Scrutiny of Annual return on fixed assets	Yes	Fixed assets as per AR	
9k	Scrutiny of Annual return on mining machineries	Yes	As per AR	

**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)	07-JAN-20			
MCDR17	Rule 26(1)	07-JAN-20			
MCDR17	Rule 26(2)	07-JAN-20			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines