

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SATNA/LST-375

Mine code : 38MPR35349

- (i) Name of the Inspecting : **K006**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sh P.K Upadhyay (Agent), R Shrivastava (Mine Manager)
Official with
Designation
- (iv) Date of Inspection : 23-NOV-19
- (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	18 Bore holes	Nil	Violation pointed out for the same by inspecting officer's violation letter dated 24.06.2019
1b	Exploration over lease area for geological axis 1 or 2	G1/G2: 258.867 Ha.	G1-75.01 Unexplored area: 183.857	No exploration work has been done in 2018-19. Violation pointed out for the same.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Departmental	No exploration work has been done.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	18 Bore Holes proposed for exploration in 2018-19	Nil	Violation pointed out for the same.
1e	Balance reserve as on 01/04/20	23.02 Million Tonnes	23.992 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			No exploration work done in RY 2018-19. Violation pointed out for the same by inspecting officer with violation letter dated 24.06.2019

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	E 529400 to 529800 & N 2688500 to 2688800	E 529400 to 529800 & N 2688500 to 2688800	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Overburden-3 & Limestone-4. separate benches of 8m height shall be maintained in the mine and bench widths at the mine shall not be less than the height of the benched at any place and for running benched more than 20 m.	Overburden-3 & Limestone-4. In the northern side width of the OB benches found less than the height of the benches.	Violation pointed out for the same.
2c	Stripping ratio or ore to OB ratio	1:0.30	1:0.20	Width of the benches reduced from the proposed width in the approved document. Violation pointed out for the same.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	150000	101276	Width of the benches reduced from the proposed width in the approved document. Violation pointed out for the same.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Width of the benches reduced from the proposed width in the approved document. Violation pointed out for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01(one)	01(one)	

3b	Quantity of ROM mineral production proposed	500000	489750
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.	N/A	N/A
3f	Quantity of sub grade mineral generation.	No Mineral sub grades proposed.	No Mineral sub grades found as per provided records.
3g	Grade of sub grade mineral generation	N/A	N/A
3h	Manual / Mechanised method adopted for segregating from ROM	N/A	N/A
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	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	separate benches of 8m height shall be maintained in the mine and bench widths at the mine shall not be less than the height of the benched at any place and for running benched more than 20 m.	At some places in the northern side width of the OB benches found less than the height of the benches.	Violation pointed out for the same.
3m	Total area covered under excavation/pits	9.0 Ha	6.45 Ha	at some places in the northern side width of the OB benches found less than the height of the benches. Violation pointed out for the same.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.30	1:0.2	at some places in the northern side width of the OB benches found less than the height of the benches. Violation pointed out for the same.
3o	Total area put in use under different heads at the end of year	7.50 Ha	7.55 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 500000 te 2017-18: 500000 te 2018-19: 500000 te	2016-17: nil 2017-18: 37976 te 2018-19: 489750 te	
3q	General remarks of inspecting officers on method of mining etc.			at some places in the northern side width of the OB benches found less than the height of the benches. Violation pointed out for the 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	
4b	Location of topsoil, OB and mineral reject dumps	OB dumping location: E 529300 to 529150 & N 2688500 to 2688700	OB dumping location: E 529300 to 529150 & N 2688500 to 2688700	
4c	Number of dumps within lease area and outside of lease area	Within Lease: 01 (one)	Within Lease: 01 (one)	
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	
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed around the dump.	Garland drain maintained around the dump.	
4i	Length of Retaining wall or garland drain all along dumps	1200 m	1200 m	
4j	Number of settling ponds	Not proposed	01 (one)	

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.	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 not been submitted for the year 2018-19.	Violation pointed out.

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
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 of saplings.	Approx 2000 Nos of saplings	
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 not been submitted for the year 2018-19. Violation pointed out for the same.

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
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N/A	N/A	

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

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.	

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	Not proposed	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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR from Apr-18 to Mar-19 and AR of 2018-19 to be submitted.	MR from Apr-18 to Mar-19 and AR of 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 done in waste land.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	No mineral rejects as per AR
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	Yes	Sale value,- 0 Ex-Mine price - 252.62 Production costs - 252.63
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)	06-DEC-19			
MCDR17	Rule 26(2)	06-DEC-19			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines