

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/PAL-46/LIM-4

**Mine code :** 38RAJ21011

- (i) Name of the Inspecting : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Jagdish Gadia, & Sh. Rakesh Purohit  
Official with  
Designation
- (iv) Date of Inspection : 11-JUL-18
- (v) Prev.inspection date : 10-SEP-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MOHRAI DAGLA 29/99**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **PALI**
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : **01412378980**
- E-mail : **jagdish.gadiya@adityabirla**
- Phone : **01412378481**
- (f) **Police Station** : **Jaitaran**
- (g) **First opening date** : **20-JUL-15**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **C-98,Sanghi UpasanaTower**  
**Subhash Marg,**  
**Jaipur(Rajasthan)-302001.**
3. (a) **Lease Number** : **RAJ5427**
- (b) **Lease area** : **689.76**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **19-MAR-65**
4. **Mineral worked** : **LIMESTONE** **Main**

## 5. Name and Address of the

Lessee : ULTRA TECH CEMENT LTD.  
 B WING, AHURA CENTRE, 2nd  
 FLOOR, MAHAKALI CAVES ROAD,  
 ANDHERI EAST, MUMBAI MUMBAI  
 (SUBURBAN) MAHARASHTRA  
 Phone:+911412378980/81  
 FAX :+911412378980

Owner : Omprakash Puranmalka  
 Ultra tech Cement Ltd; B-  
 Wing, Ahura Centre, Second  
 Floor, Mahakal Caves Road,  
 Andheri (E), Mumbai MUMBAI  
 (SUBURBAN) MAHARASHTRA  
 Phone:  
 FAX :

Agent : Jagdish Gadiya  
 Ultra tech Cement Ltd., II  
 Floor, Sidhi Vinayak  
 Complex, Rly Station Road,  
 Beawer, Distt. Ajmer JAIPUR  
 RAJASTHAN  
 Phone:  
 FAX :

## Mining Engineer

Name : Sanjay S Borkar, Full Time  
 Qualification : B E (Mining)  
 Appointment/ : 05-OCT-17  
 Termination date

## Geologist

Name : Uttam Kumar Singh, Full Time  
 Qualification : MSc (Geology)  
 Appointment/ : 15-APR-18  
 Termination date

## Manager

Name : Deepak Kumar Sharma  
 Qualification : B E  
 Appointment/ : 17-JUL-15  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 19-MAR-13

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	24 Boreholes	Nil	Party had completed the exploration by putting the 142 Boreholes at G1 level.
1b	Exploration over lease area for geological axis 1 or 2	Completed	Completed	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Central Drilling Associates/ Khanna Associates	No Exploration during current year.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Not applicable	
1e	Balance reserve as on 01/04/20	159.00 Million Tonnes	159.00 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Not Applicable	The Party had revised mining plan to reassess the reserves.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block- B E/W 406840- 407340 N/S 2895470- 2896250	Block- B E/W 407400- 407800 N/S 2896600- 2897200	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in O/B waste kept.	Separate bench in pegmatite & Limestone	
2c	Stripping ratio or ore to OB ratio	1:0.001	1:45.8	
2d	Quantity of topsoil generation in m3	Nil	Not applicable	

2e	Quantity of overburden generation in m3	749 Cu M	2200 T
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not Applicable	The mine has been developed to produce the mineral limestone but cement plant has not been erected.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	Single pit	
3b	Quantity of ROM mineral production proposed	3282542 Tonnes	120 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100%	
3d	Quantity of mineral reject generation	17150 T	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	None	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	No production as no demand as cement plant is yet to be erected.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	

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3j	Provision of drilling and blasting in mineral benches	DTH drilling & blasting proposed.	No drilling blasting done, excavation is done using hydraulic excavator.
3k	Provision of mining machineries in mineral benches	HEMM proposed	Development work carried out using HEMM.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes it is suitable
3m	Total area covered under excavation/pits	18.91 ha	1.337 ha only
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.001	1 : 45.8
3o	Total area put in use under different heads at the end of year	Area put to use at the end of the year is 43.92 ha.	14.8 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16-1981538 T, 2016-17-2643249 T, 2017-18-3282542 T	2015-16- Nil, 2016-17-100 T, 2017-18- 120 T
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	There is no regular demand of mineral as cement plant is yet to be erected.

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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)	Seperate dumping of O/B waste proposed	No top soil or waste dumping carried out.	
4b	Location of topsoil, OB and mineral reject dumps	O/B Dump N 2896880-2896905, E 408320-408350.	No dumping carried out, what ever waste generated had been used in road work.	

4c	Number of dumps within lease area and outside of lease area	Within lease - Two dumps, Outside lease - None	No Dumping carried out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL.	No dumping done
4e	Number of active and alive dumps.	Two	No dump made
4f	Number of dead dumps.	None	Not applicable
4g	Number of dumps established.	None	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposed to be made around dumps.	No dump made
4i	Length of Retaining wall or garland drain all along dumps	Around the dump area.	No dump made.
4j	Number of settling ponds	Proposed to be provided.	No dump made.
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No waste dumping started as no production made as cement plant is yet to be erected.

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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.	No proposal of backfilling.	Not applicable	
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	The top soil proposed to be far. used in plantation work.	No top soil generated so	

5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	The mine is at development stage & no matured area for backfilling available.

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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 proposed	Yes, Submitted	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	
6c	afforestation done (ha).	2.0 ha	4.5 ha	
6d	No. of saplings planted during the year	5000 nos	5188 within lease & 2700 outside lease area.	
6e	Cumulative no .of plants	15000 nos	17888 nos	
6f	Any other method of rehabilitation	No proposal	Not applicable	
6g	Cost incurred on watch and care during the year	1000000 Rs.	Rs. 2611601/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable as no area matured for backfilling of voids.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes as per CPCB guidelines.	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The mine is at developing stage & work towards proposals of PMCP was satisfactory.

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Mineral Conservation:

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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	3282542 T during 2017-18.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	No sorting done
7c	Different grade of mineral sorted out at mines.	No proposal	Not applicable
7d	Any beneficiation process at mines	No proposal	Not applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The cement plant had not been erected & no ROM dispatched so far.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil proposed to be used for plantation.	No top soil generated presently.	
8b	Concurrent use or storage of topsoil	For plantation proposed.	No top soil removed so far.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for O/B waste on 0.28 ha & reject dump of 0.14 ha proposed.	No dump made so far as waste generated utilized for road construction.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Except few bushes & shrubs there are no plants.	Planted 5188 nos of trees.
8g	Survival rate	No proposal	About 80%.
8h	Water sprinkling on roads to control airborne dust	Proposed to be done by water sprinkler.	Being done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The aesthetic beauty of the area was satisfactory.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	The M/R submitted for July 2018 & A/R submitted for 2017-18.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sh. Deepak kumar Sharma as Manager, Sh. Sanjay S Borkar as mining engineer & Sh. Veijesh Kumar Kushwaha as Geologist Stated	Sh. Deepak kumar Sharma as Manager, Sh. Sanjay S Borkar as mining engineer & Sh. Uttam Kumar Singh as Geologist (Wef 15/4/2018) Working in the mine. Form H Provided.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	4.666 ha area stated to be covered under current working.	Found in order.	

9d	Scrutiny of Annual return on afforestation	5188 nos of trees planted within Mining lease & 2700 plantede outside ML area.	Found in order.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The generation of reject has been stated to be Nil.	Found in order
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock 100 t & production of Mineral stated as 120 t and closing stock stated as 220t.	Found in order.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The cost of production details has not furnished.	It is a captive mine, hence cost of production has not been furnished.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed assets furnished as Rs 1399756207/-	Found in order
9k	Scrutiny of Annual return on mining machineries	One backhoe, one excavator, one dozer, four tippers & one tanker had been furnished as deployed in the mine.	Found in order.

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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 31(4)	02-AUG-18	25-OCT-18				
MCDR17	Rule 45(5)(k	02-AUG-18	25-OCT-18				
MCDR17	Rule 47(a)	02-AUG-18	25-OCT-18				
MCDR17	Rule 48	02-AUG-18	25-OCT-18				

**Date :**

**(Sharma H.C.)**

Indian Bureau of Mines