

**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 Gadiya
Official with
Designation
- (iv) Date of Inspection : 10-SEP-19
- (v) Prev.inspection date : 11-JUL-18

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 : **Mohrai Dagla**
- 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** : **18-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 : K C Jhanwar
 A' Wing, 2nd Floor, Ahura
 Centre, Mahakali Caves
 Road, Andheri (E), Mumbai-
 400093. PALI RAJASTHAN
 Phone: 022-66917800
 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 : Fresh under rule 22 MCR1960 19-MAR-13
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 23-AUG-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	01 Hole (DTH)	Nil	Planned to get this hole carried out in Year 2019-20 with proposed general exploration as bore hole.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2 : 51.90 ha, G3: 224.53 ha	G2 : 51.90 ha, G3: 224.53 ha	Existing: G1: 413.33 ha, G2 : 51.90 ha, G3: 224.53 ha
1e	Balance reserve as on 01/04/20	178.978 million Tonnes	178.978 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Not applicable	The exploration work is satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block E western side (Sec_34& 33) , Block E eastern Side (waste handling)	Block E western side (Sec_34& 33) , Block E eastern Side (waste handling)	Activities for setting up cement plant is in progress, only mines development activities are carried out due to lack of demand from plant.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Separate benches for pegmatite and limestone	

2c	Stripping ratio or ore to OB ratio	1:2.4	1:15.33	Only Overburden worked and any limestone found with OB is separately stacked.
2d	Quantity of topsoil generation in m3	64 m3	64 m3	Collected & Consumed in Plantation.
2e	Quantity of overburden generation in m3	171873 m3	14652 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable	Activities for setting up cement plant is in progress, only mines development activities are carried out due to lack of demand from plant.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02	02	
3b	Quantity of ROM mineral production proposed	152326 MT	2300 MT	Activities for setting up cement plant is in progress, only mines development activities are carried out due to lack of demand from plant.
3c	Recovery of sailable/usable mineral from ROM production	100%	100.145 MT	Used for Bulk Testing and analysis.
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	
3f	Quantity of sub grade mineral generation.	25538T	Nil	

3g	Grade of sub grade mineral generation	Less than 40 % CaO and Above 34%	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Not applicable	
3j	Provision of drilling and blasting in mineral benches	DTH Drilling & Blasting Proposed	No Drilling & Blasting carried out. Rock breaker used	
3k	Provision of mining machineries in mineral benches	HEMM were planned	HEMM were deployed	Development activities work
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	7.82 ha	7.660 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:2.4	1:15.33	Only mines development activities are carried out due to lack of demand from plant. & high ratio as quantity of limestone is very less which encountered while working OB in mine development.
3o	Total area put in use under different heads at the end of year	25.074 ha	24.028 ha	

3p	Production of ROM mineral during the last five year period as applicable	2015-16-- 1981538 mt, 2016-17-- 2643249 mt, 2017-18-- 3282442 mt, 2018-19-- 152326 mt.	2015-16--Nil, 2016-17-- 100 mt, 2017-18-- 120 mt, 2018-19-- 2300 mt.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable	Only mines development activities are carried out due to lack of demand from plant. & high ratio as quantity of limestone is very less which encountered while working OB in mine development.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	171873 cum of O/B waste dumped seperately.	14652 cum of O/B waste dumped seperately at proposed location, Top Soil used concurrently in plantation.	
4b	Location of topsoil, OB and mineral reject dumps	As per Proposal	As per Proposal	
4c	Number of dumps within lease area and outside of lease area	02 within lease	01 within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Out side the UPL.	
4e	Number of active and alive dumps.	02	01	
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.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	500 m garland drain	500 m garland drain	

4j	Number of settling ponds	No proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	Not applicable	No issues regarding Waste dumping.

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	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 excavated to be used in plantation.	The top soil excated has been used in plantation.	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable	There is no matured area for backfilling & reclamation.	

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 as per rule.	Yes submitted in prescribed time.	
6b	Area available for rehabilitation (ha) .	Nil	Not applicable	

6c	afforestation done (ha).	2.0 ha	3.6 ha
6d	No. of saplings planted during the year	2000 nos	Within ML - 5850 nos, Outside ML- 2250 nos.
6e	Cumulative no .of plants	16510 nos	25988 nos
6f	Any other method of rehabilitation	No proposal	Not applicable
6g	Cost incurred on watch and care during the year	Rs. 10.00 Lakh	Rs. 34.66 Lakh
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
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	No proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable	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	Not applicable	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	AS per CCPB & SPCB conditions.	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable	The work towards implementation of PMCP was satisfactory.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	152326 MT during 2018-19	2300 MT during 2018-19	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	
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	There is no issue regarding mineral conservation in the mine.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil removal seperately.	64 cum Soil is removed and utilized in plantation.	
8b	Concurrent use or storage of topsoil	Yes For Plantaion	The removed top soil used concurrently in plantation.	
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	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)	Area is having scanty vegetation	Planted 25988 nos. trees in & out side lease area so far.	
8g	Survival rate	90%	87.02 %	
8h	Water sprinkling on roads to control airborne dust	Yes	Being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The general aesthatic beauty in & around the mine is satisfactory.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not applicable	M.R Submitted up to August 2019 A.R. Submitted up to FY-2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer- Sh. Sanjay S Borkar, Manager Sh. Deepak Kumar Sharma, Geologist Sh. Neelabh Saxena.	Mining Engineer- Sh. Sanjay S Borkar, Manager Sh. Deepak Kumar Sharma, Geologist Sh. Neelabh Saxena.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Cover under Working 7.66 ha, 0.555 ha used for waste disposal, 3.498 ha occupied by plant, building etc.	Cover under Working 7.66 ha, 0.555 ha used for waste disposal, 3.498 ha occupied by plant, building etc.	
9d	Scrutiny of Annual return on afforestation	5850 nos of trees planted within lease area & 2250 outside lease area.	5850 nos of trees planted within lease area & 2250 outside lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Reject generation Nil	Reject generation Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The opening stock 220 T, Production 2300 T & Closing 2419.855 T	The opening stock 220 T, Production 2300 T & Closing 2419.855 T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The cost of Production stated as nil.	It can not be Nil, as the expenses of Rs. 331354439/- had been shown.	
9h	Scrutiny of Annual return on fixed assets	The fixed assets are Rs. 17394683446/-	The fixed assets are Rs. 17394683446/-	
9k	Scrutiny of Annual return on mining machineries	The details furnished.	Found in order.	

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

Date :

(Sharma H.C.)

Indian Bureau of Mines