

**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 : **G021**) **D R GURJAR**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri. Deepak Kumar Sharma, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 05-OCT-20
- (v) Prev.inspection date : 10-SEP-19

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** : **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 : 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
	:	MP review under 17(1) MCR 2016	03-DEC-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of year 2018-19.	Not applicable.	Nil
1b	Exploration over lease area for geological axis 1 or 2	During the year 19-20 total 52 nos. bore holes (2600m) proposed.	During the year 2019-20 total 48 nos. of bore hole drilled (2424m).	Violation of Rule 11(1) of MCDR 2017 issued for shorfall in exploration drilling during the year 2019-20 vide this office letter dated 09.11.2020.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified in the approved document.	M/s Synergy Geotech Private Limited. Nagpur, Expenditure was Rs. 48.92 Lakhs.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved ducumnet area under G1: 413.33 ha, G2 : 51.90 ha, G3: 3.93 ha Total: 469.16 Ha.	During the year 2019-20 total 48 bore holes(2424 m)drilling has been carried out against the proposal of 52 bore holes(2600m) to cover entire area under G1. But the analysis of these bore holes are under process.	Current inspection has been carried out for Modification of approved Review of Mining Plan, hence proposal of additional bore holes have been incorporated to prove the mineral continuity in depth.
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2020 192.026 million Tonnes	Balance reserves as on 01.04.2020 192.026 million Tonnes	Nil
1f	General remarks of inspecting officers on geology, exploration etc			Violation of Rule 11(1) of MCDR 2017 issued for shorfall in exploration drilling during the year 2019-20 vide this office letter dated 09.11.2020.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Block E western side Hill Side New Opening , Block E eastern Side (waste handling)Sec_3 4,35,36 & Block-B Pit - 1(Sec_10 to Sec_12)	Block E western side Hill Side New Opening, Block E eastern Side (waste handling) Sec_34, 35, 36. No activity done in Block-B Pit -1(Sec_10 to Sec_12).	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 waste and limestone	Nil
2c	Stripping ratio or ore to OB ratio	1:0.89 (m3: m3)	1:1.06 (m3: m3)	Nil
2d	Quantity of topsoil generation in m3	No Proposals	Not generated.	Nil
2e	Quantity of overburden generation in m3	2019-20: 236797 m3	2019-20: 7536 m3	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Activities for setting up cement plant is in progress, only mines development activities are carried out at small scale only.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02	01	Nil
3b	Quantity of ROM mineral production proposed	2019-20: 664682 T	2019-20: 20060 T	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	2019-20: 638182 T	Entire ROM stacked	No Recovery of Usable Mineral done due to lack of demand from plant. as this is captive mine & plant is not commissioned till now.
3d	Quantity of mineral reject generation	No Proposal	None	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable	Nil
3f	Quantity of sub grade mineral generation.	2019-20: 26500 T	Nil	Entire ROM stacked, segregation of usable / sub grade mineral not carried out due to lack of demand.
3g	Grade of sub grade mineral generation	Less than 40 % CaO and Above 34%	Not segregated.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method proposed for segregation of ROM	Nil	Segregation of usable / sub grade mineral not done due to lack of demand from plant. Entire ROM Stacked.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	None	Nil
3j	Provision of drilling and blasting in mineral benches	Yes, drilling & balsting proposed.	No Drilling & Blasting carried out. Rock breaker used	Nil
3k	Provision of mining machineries in mineral benches	Exacavator, dumpers, drill machines & dozer etc.	Exacavator, dumpers, drill machines & dozer etc.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes as per proposal.	Nil

3m	Total area covered under excavation/pits	13.86 ha	7.888 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.89 (m3: m3)	1:1.06 (m3: m3)	Nil
3o	Total area put in use under different heads at the end of year	Mining- 30.074 Ha Plantation- 11.80 Ha	Mining- 13.37 Ha Plantation- 13.40 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2015-16: 1981538 T 2016-17: 2643249 T, 2017-18: 3282442 T, 2018-19: 152326 T, 2019-20: 638182 T	2015-16: Nil 2016-17: 100 T, 2017-18: 120 T, 2018-19: 2300 T, 2019-20: 20060 T	Only mines development activities are carried out due to lack of demand from plant, as plant is not commissioned till date and mine is captive.
3q	General remarks of inspecting officers on method of mining etc.			Open cast mechanised mining method adopted, which is suitable to the type of the deposit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No top soil generation proposed. Proposal of OB/IB generation given.	As per proposal.	Nil
4b	Location of topsoil, OB and mineral reject dumps	No top soil proposal. OB dumping was proposed between section lines 34-35. No proposal of Mineral reject dumps.	OB has been dumped on proposed location.	Nil
4c	Number of dumps within lease area and outside of lease area	OB dump-01 within lease area.	OB dump-01 within lease area.	Nil

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	01	01	Nil
4f	Number of dead dumps.	No proposal	None	Nil
4g	Number of dumps established.	No proposal	None	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No specific proposal given during the last year.	Garland drain made.	Nil
4i	Length of Retaining wall or garland drain all along dumps	No specific proposal given during the last year.	Garland drain was already there.	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management			No issue observed related to waste dump as mine was operated on very small scale hence less quantity of waste was generated as compare to 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.	No proposal during the year 2019-20.	None	Area is not matured for backfilling.
5b	Area under backfilling of mined out area	No proposal during the year 2019-20.	None	Area is not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal during the last year.	No top soil generated.	Nil

5d	Total area fully reclaimed and rehabilitated	No proposal	None	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling & reclamation proposal given as area is not 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).	PMCP Report shall be submit up to 1 July for the previous financial year.	PMCP Report for the year 2019-20 submitted on time.	Nil
6b	Area available for rehabilitation (ha) .	2.0 hect.	2.0 hect.	Nil
6c	afforestation done (ha).	2.0 hect.	2.0 hect.	However plantation not carried out on proposed location hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
6d	No. of saplings planted during the year	2000 nos.	5000 nos.	Nil
6e	Cumulative no .of plants	Not specified	30988 nos	Nil
6f	Any other method of rehabilitation	No proposal	None	Nil
6g	Cost incurred on watch and care during the year	Not specified	Rs. 40.53 Lakh	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	None	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	None	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	None	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	None	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	None	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	2 hect.	2 hect.	However plantation not carried out on proposed location hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	2 hect.	2 hect.	However plantation not carried out on proposed location hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring proposed.	Regular monitoring is being carried out.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP Compliances is staisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM Mineral will dispatched to captive cement plant.	No mineral was dispatched to plant, as plant is yet not commissioned.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	None	Segregation of usable / sub grade mineral not done due to lack of demand from plant. Entire ROM Stacked.
7c	Different grade of mineral sorted out at mines.	Limestone & Sub Grade Mineral	No Grade wise Mineral Sorting done	Nil
7d	Any beneficiation process at mines	No proposal	None	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No issue observed related to mineral conservation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil geneartion proposal	No top soil generated.	Nil
8b	Concurrent use or storage of topsoil	No top soil geneartion proposal	None	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Proposal given for separate dumping of OB dump.	As per proposal	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal given.	None	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the last year.	None	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000 nos. of sapling was proposed over an area 2 hect. during the year 2019-20.	5000 nos. sapling planted over an area 2 hect.	Nil
8g	Survival rate	Not specified	82.5% as reported in AR 2019-20.	Nil
8h	Water sprinkling on roads to control airborne dust	Proposal given	During the inspection water sprinkling was observed.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty is good in and around mine area.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly return shall be submitted up to 10th day of the previous month. Annual return shall be submitted up to 30 June for the previous financial year.	Monthly return submitted up to Oct. 2020 Annual return submitted up to year 2019-20.	Timely submission of returns.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Manager, Geologist & Mining Engineer given in return.	Found correct.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land Use pattern: Pit- 7.888 Ha Dump- 0.580 Ha Road & Infra- 3.988 Ha Rain Water Harvest & Stock- 0.915 Ha.	Found correct.	Nil
9d	Scrutiny of Annual return on afforestation	Plantation- 2 Ha Tree planted- 5000 Nos	Found ok	However plantation not carried out on proposed location hence violation of Rule 11(1) of MCDR 2017 issued to the lessee.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral Reject Generated.	No mineral reject generated.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock- 22479.855 MT	Seems to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production Cost-Rs. 1277.94 PMT	Seems to be correct.	Cost is on higher side as production is very low as proposed.

9h	Scrutiny of Annual return on fixed assets	Rs. 1782468902 Seems to be correct.	Nil
9k	Scrutiny of Annual return on mining machineries	Shovel- 4 CUM- Found ok 1Nos. Dumper- 30T- 2 Nos.	Nil

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)	09-NOV-20			

Date :

(D R GURJAR)

Indian Bureau of Mines