

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/NGR-12/LST-4

Mine code : 38RAJ20004

- (i) Name of the Inspecting : **26**) **Nishant kumar rao**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh G.C Dhayal Agent, Sh Akhilesh Ray Geologist
Official with
Designation
- (iv) Date of Inspection : 04-DEC-24
- (v) Prev.inspection date : 13-SEP-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAJASHREE-II(58/84,ML3/95**
- (b) **Registration NO.** : **IBM/441/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **RAJASTHAN**
- District : **NAGAUR**
- Village : **BASNI**
- Taluka : **MERTA**
- Post office : **GOTAN**
- Pin Code : **342605**
- FAX No. : **02920264040**
- E-mail : **krishan.singh@adityabirla.**
- Phone : **9829733368**
- (f) **Police Station** : **Gotan**
- (g) **First opening date** : **28-NOV-97**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Ultra tech Cement Ltd., Unit Birla White,
Village & PO- Basani, Police Station- Gotan,
Tehsil- Merta, District- Nagaur**
3. (a) **Lease Number** : **RAJ1490**
- (b) **Lease area** : **400.74**
- (c) **Period of lease** :
- (d) **Date of Expiry** : **09-APR-37**
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. K. Maheshwari
 Ultratech Cement Ltd. Birla
 White, D-7, Shastri Nagar,
 Jodhpur JODHPUR RAJASTHAN
 Phone:
 FAX :

Agent : B K Bardia
 Ultra Tech Cement Ltd.
 Birla White, D -7, Shastri
 Nagar, Jodhpur JODHPUR
 RAJASTHAN
 Phone: 02920264040
 FAX :

Mining Engineer

Name : Sachin Tonge, Full Time
 Qualification : B E (Mining)
 Appointment/ : 01-JAN-14
 Termination date

Geologist

Name : Amar Singh, Full Time
 Qualification : M Sc (Geology)
 Appointment/ : 01-JAN-96
 Termination date

Manager

Name : K P Singh
 Qualification : B E (Mining Engg)
 Appointment/ : 01-JAN-00
 Termination date

6. Date of approval of Mining : MP modif under MCR 1960 08-JUN-16
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 31-JAN-19

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	nil	nil	
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	completed	G 1 exploration completed	
1e	Balance reserve as on 01/04/20		26.76 (111) 7.47 (222) Total 34.232 Million Tons	
1f	General remarks of inspecting officers on geology, exploration etc			nil

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit- NW1A	Pit- NW1A
		N2943067- 2943182 E379767- E379800	N2943067-2943182 E379767-E379800
		Pit-NW1F	Pit-NW1F
		N2942881- 2942937 E379962-379988	N2942881-2942937 E379962-379988
		Pit-NW2C	Pit-NW2C
		N2942327- 2942504 E379996-380039	N2942327-2942504 E379996-380039
		Pit-NW2D	Pit-NW2D
		N2942289- 2942410 E379828-379958	N2942289-2942410 E379828-379958
		Pit-NW3B	Pit-NW3B
		N2942150- 2942218 E380256-380294	N2942150-2942218 E380256-380294
		Pit-NW3C	Pit-NW3C
		N2942001- 2942047 E380426-380629	N2942001-2942047 E380426-380629
		Pit-NW3D	Pit-NW3D
		N2941880- 2941980 E380224-380278	N2941880-2941980 E380224-380278
		Pit-NW3F	Pit-NW3F
		N2942087- 942244 E380700-380884	N2942087-942244 E380700-380884
		Pit-SE1	Pit-SE1
		N2941306- 2943082 E380813-381969	N2941306-2943082 E380813-381969
		Pit-SE2	Pit-SE2
		N2942881- 2943113 E381258-381528	N2942881-2943113 E381258-381528
Pit-SE4	Pit-SE4		
N2943353- 2943511 E380963-381039	N2943353-2943511 E380963-381039		

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top soil 0 m OB bench 2- 4 m Limestone 6- 9 m	Top soil 0 m OB bench 2- 4 m Limestone 6- 9 m	
2c	Stripping ratio or ore to OB ratio	6.076	4.54	
2d	Quantity of topsoil generation in m3	na	na	
2e	Quantity of overburden generation in m3	123420 M3	112312 M3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			deviation point out to lesee

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	11 Nos.	11 Nos.	
3b	Quantity of ROM mineral production proposed	750000 tonnes	600000 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	637500 ton	510157 tonnes	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	na	na	
3j	Provision of drilling and blasting in mineral benches	Using 32 mm and 100 mm dia drill machine	Using 32 mm and 100 mm dia drill machine	
3k	Provision of mining machineries in mineral benches	L&T Shovel with 15 tonnes tipper	L&T Shovel with 15 tonnes tipper	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB Bench is 2- 4 M and Limestone bench 4 -6 M	OB Bench is 2-4 M and Limestone bench 4 -6 M	
3m	Total area covered under excavation/pits	112.35 ha	112.00 ha	
3n	Ore to OB ratio for the pit/mine during the year.	6.076	5.35	
3o	Total area put in use under different heads at the end of year	154.55 ha.	153.86 ha	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - 951534 2020-21 - 1004131 2021-22 - 550014 2022-23 - 600003 2023-24 - 750000	2019-20 - 380000 2020-21 - 363000 2021-22 - 438000 2022-23 - 447262 2023-24 - 600000	deviation point to lessee
3q	General remarks of inspecting officers on method of mining etc.			deviation point to lessee

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil - No All generated OB stacked in dump number WD4, WD8, WD9, WD5 and WD7	Top soil - No All generated OB and mineral reject stacked in dump number WD4, WD8, WD9, WD5 and WD7	
4b	Location of topsoil, OB and mineral reject dumps	Top soil -Nil Proposed dump number WD4, WD8, WD9, WD5 and WD7	Top soil - No All generated OB and mineral reject stacked in dump number WD4, WD8, WD9, WD5 and WD7	
4c	Number of dumps within lease area and outside of lease area	24	24	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of UPL	Outside of UPL	
4e	Number of active and alive dumps.	21	21	
4f	Number of dead dumps.	3	3	
4g	Number of dumps established.	3	3	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall -NIL Garland Drain- along SR-1 & WD-5	Retaining wall -NIL Garland Drain-along SR-1 & WD-5	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall -NIL Garland Drain- 286Mtr.	Retaining wall -NIL Garland Drain-286Mtr.	
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			nil

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	yes	in progress	
5b	Area under backfilling of mined out area	-	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	use for plantation	as per proposal	
5d	Total area fully reclaimed and rehabilitated		total 0.70 ha reclaimed	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			nil

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	yes	
6b	Area available for rehabilitation (ha) .	-	-	
6c	afforestation done (ha).	4.0 ha	4.0 ha	
6d	No. of saplings planted during the year	2000	2500	
6e	Cumulative no .of plants		52738 sapling	
6f	Any other method of rehabilitation	-	-	
6g	Cost incurred on watch and care during the year	Rs 200000/-	Rs 600000/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	-	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	-	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	-	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	2000	2500
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	4.0 ha	4.0 ha
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of air, water and noise of core zone and buffer zone location.	Quarterly monitoring of air, water and noise of core zone and buffer zone location.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			deviation point out to lessee

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	750000 T	600000 T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	By Sizing and screening	By Sizing and screening	
7c	Different grade of mineral sorted out at mines.	-	-	
7d	Any beneficiation process at mines	-	-	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			deviation point out to lesee

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	na	na	

8b	Concurrent use or storage of topsoil	Concurrent use, storage Nil	Concurrent use, storage Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps only for overburden	as per proposal
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2000	2500 Nos with in ML and 200 Nos outside ML
8g	Survival rate	-	80 %
8h	Water sprinkling on roads to control airborne dust	available	during inspection mines found discontinue
8i	General remarks of inspecting officer on aesthetic beauty in and around mines 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 submitted up to Oct 2024 Annual return submitted up to March 2024 on dated 17/06/2024.	Monthly return submitted up to Oct 2024 Annual return submitted up to March 2024 on dated 17/06/2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME- Narender Singh Shekhawat Geo.- Mr A.K.Ray Manager- Narender Singh Shekhawat	ME- Narender Singh Shekhawat Geo.- Mr A.K.Ray Manager- Narender Singh Shekhawat
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Under pits 112.00ha. Reclaimed area-8.73 Ha. Dump area-32.0 ha	nil
9d	Scrutiny of Annual return on afforestation	2500 within lease 200 outside lease	-
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	Closing stock limestone 18110.97	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Rs.473.83 per ton	nil
9h	Scrutiny of Annual return on fixed assets	Rs. 93641530	nil
9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.90CUM, DUMPER 15 TON,	nil

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 :

(Nishant kumar rao)

Indian Bureau of Mines