

**MCDR INSPECTION REPORT****General**

S.N.	Particulars	Details
1	Name of the Mine	DALLA (KAJRAHAT) LIMESTONE MINES
	Date of Inspection:	31.03.2024
	Name of Inspecting Officer	IBRAHIM SARIEF
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	TOTAL AREA – 370.365 FOREST AREA - NIL
3	Mine code	38UPR184001
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the Lease, Address, Phone, email and fax number	DALLA CEMENT WORKS P.O.DALLA – 231207, DIST- SONEBHADRA (U.P.)
6	Village	KAJRAHAT & PADRACH
7	Taluka/Mandal	ROBERTSGANJ
8	District	SONEBHADRA
9	Pin code	231207
10	State	UTTAR PRADESH
11	Post Office	DALLA
12	Nearest Police Station	CHOPAN
13	Nearest Railway Station	CHOPAN
14	Date of Grant of Mining Lease	
15	Date of Execution	
16	Date of opening of Mine	01-FEB-07
17	Date of First Renewal, if applicable and its period & expiry	DATE OF EXPIRY – 31.03.2030
18	Date of Second Renewal, if applicable and its period & expiry	31.07.2017
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	K.C. JHANWAR UltraTech Cement Limited
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	VIVEK KHOSLA, Dalla Cement Works UltraTech Cement Limited vivek.khosla @adityabirla.com Date of Appointment – 21/12/2019
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	D.K. PANDEY UltraTech Cement Limited dharmendra.pandey@adityabirla.com
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Jatin Singh BE Mining, UltraTech Cement Limited jatin.singh@adityabirla.com
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	YES/ Shri Manisa Naidu
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	28.08.2007

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	13.10.2021
27	Mineral(s) granted in lease and approved for Mining	LIMESTONE
28	Method of Mining (Opencast, Underground)	OPENCAST
29	Category (Fully Mechanized, Others or Manual)	FULLY MECHANIZED
30	Captive/Non-Captive	CAPTIVE

### Exploration

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	104 no. of bore holes /6375 meterage in FY 2021-22	104 completed	
1b	Exploration over lease area for Geological axis 1 or 2.	365.805 HA area in G4 to be brought under G1	About 35 Ha are is bought under G1 scale	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Lessee	Lessee, Rs 4136250/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	365.805 HA area to be explored in G1	Only 35.0 Ha area is explored remaining leasearea is to be explored	About 300 Ha area to be explored
1e	Balance reserves as on 01.04.2021	Reserves as on 01.04.2022: 352836 Tonnes Reserves to be depleted during the year 2022-23 : 38694 Tonnes. Balance Reserves : 314412 Tonnes	Reserves as on 01.04.2022: 352836 Tonnes Reserves to be depleted during the year 2022-23 : 386194 Tonnes. Balance Reserves : 319202 Tonnes	NIL
1f	General remarks of Inspecting officer on geology, exploration etc.	<p><b>Geology:</b> - The area is situated south of the Kaimur hills, Sone River, &amp; east of Rihand River Out of total ML area the Limestone formation is confined to mainly hilly portion or out cropped areas. The deposit of the area is bedded with 60<sup>0</sup> to 85<sup>0</sup> towards north. The Limestone formation is massive and dolomite patches and concealed under a thick alluvial cover.</p> <p>Exploration: - 35 ha area is explored against 365.805 ha area to be explored in G1 scale Violation was pointed out for deviation.</p>		

**Developmentd**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Pit -1 Bench –IIInd East	Pit -1 Bench –IIInd East	
2b	Separate benches in topsoil overburden and mineral (Rule 15)	No proposal	NA	
2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.02	
2d	Quantity of topsoil generation in m <sup>3</sup>	No proposal of generation of top soil during the year	No Top soil is generated during the year	
2e	Quantity of overburden generation in m <sup>3</sup>	25.00 M <sup>3</sup>	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development is carried out as per approved proposals.		

**Exploitation**

S.N	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Two, Pit-1 and Pit-2	One, Pit-1	
3b	Quantity of ROM mineral production proposed (2022-23)	38619 T	33634 T	
3c	Recovery of Salable/usable mineral from ROM production	95%	83%%	
3d	Quantity of mineral reject generation	5% ( 2033)	17 % (7017)	
3e	Grade of mineral reject generation and threshold value declared	Less than 34% CaO	Less than 34% CaO	
3f	Quantity of sub-grade mineral generation	No proposal	NIL	
3g	Grade of sub-grade mineral generation	No proposal	NIL	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanised method to be adopted for segregation from ROM	Mechanised method to be adopted for segregation from ROM	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	NIL	
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling and Blasting with High Explosives	Deep hole drilling and Blasting with High Explosives	
3k	Provision of mining machineries in mineral benches	Excavator 1.4M <sup>3</sup> Tipper- 10 T	Excavator 1.4M <sup>3</sup> Tipper- 10 T	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 9 meters bench height is suitable in Mineral bench	Yes, Suitable 9 Mtr	
3m	Total area covered under excavation /pits	2.42	0.539	
3n	Ore to OB ratio for the pit/mine during the year	1:0.03	1:0.02	
3o	Total area put in use under different heads at the end of year	Pit: 2.42 Dump-Nil Road: 1.30 Hect.	Pit: 0.539 Dump –Nil Road: 1.30 Hect,	

		Infra.2.10 Hect. office	Infra.: 2.10 Within FA limit.	
3p	Production of ROM mineral during last five-years period, as Applicable	18-19	Nil	Nil
		19-20	Nil	Nil
		20-21	Nil	Nil
		21-22	38694.00	Nil
		22-23	38619.00	33634.00
3q	General remarks of inspecting officer on method of mining etc	Fully mechanised method of mining with HEMM is adopted to carry out mining operations		

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB and Mineral reject to be maintained	Waste dump is maintained seperately.	Soil stock is seen.
4b	Location of topsoil, OB & mineral reject dumps	N2705756 to N 2705769 & E 709008 - E709013	N2705756 to N 2705769 & E 709008 - E709013	Location to be given
4c	Number of Dumps within lease area and outside lease area	One dump within lease area	One dump within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	On non-mineralized area.
4e	Number of Active & Alive dumps	One Dump	One Dump	
4f	Number of deed dumps	NIL	NIL	
4g	Number of dumps established	No proposal	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes Retaining wall and Garland drain along dumps shall be maintained	Nil	
4i	Length of Retaining wall or garland drain all along dump	555 Meters length of Retaining wall and 710 meters Garland drain is to be maintained	retaining wall and Garland drain is found maintained	
4j	Number of settling ponds	01	01	
4k	Specific commends of inspecting officer on waste dump management	The dumps are mostly active. Garland drain/ Bunds are made one dump in south of Block-2,		

**Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	nil	No defined bench.
5d	Total area fully reclaimed & rehabilitated	No proposal	nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No backfilling proposal as pit is working.		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule 23E (2). Details should be given in the format	Submitted	Submitted in time	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	No proposal as no mined out benches are available.	NIL	
	ii) Afforestation done (ha)	No proposal for mined out benches.	NIL	
	iii) No.of saplings planted during the year	No proposal for mined out benches.	NIL	
	iv) Cumulative no. of plants	No proposal for mined out benches.	NIL	
	v) Any other specific method of rehabilitation	No proposal for mined out benches.	NIL	
	vi) Cost incurred on watch & care during the year	No proposal for mined out benches.	NIL	
6c	Compliance on reclamation and rehabilitation by backfilling	---		
	i) Voids available for backfilling (L*B*D)	No proposal	NIL	
	ii) Void filled by waste/tailings	No proposal	NIL	
	iii) Afforestation on the backfilling	No Proposal	NIL	
	iv) Rehabilitation by making water reservoir			
	v) Any other specific means			

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	50 nos. plants on 0.05hect. NIL NIL	0 Nos. plants 0.00 hect. Area. NIL NIL	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring (core zone & buffer zone) is to be carried out regularly	Environment monitoring is being carried out regularly	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Environment monitoring is done. Plantation is done on non-mineralised Area in Mines. Some plantation is done outside lease.		

### Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM produced to be dispatched	ROM produced from mine is being dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sort out at mine	Not proposed	NA	
7d	Any beneficiation process at mines	Mechanised Crushing and Screening is proposed	Mechanised Crushing and Screening is adopted.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The screen reject is separated at crusher and cement grade limestone is sent to factory by conveyor belt.		

### Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	No proposal of generation of Top Soil	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Dumps for overburden and mineral reject to be maintained separately.	Dump is maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1000 Nos.	18505 Nos.	Within lease.
8g	Survival rate	No proposal	65%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling arrangement to be made to suppress the dust	Yes done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Plantation is being done to improve aesthetic beauty.		

### **Compliance of Rule 45**

S.N	Item	Comments					Remarks
9a	Status of submission of monthly and Annual returns	Annual return and Monthly return to be submitted in time	Annual Returns (G-1) 2022-23: - Submitted on dated 29/06/2022 Monthly Returns (F1) February 2024				
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: - Jatin Singh.	Geologist:- Atul Gahrana				
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 0.539 Dump - Nil Road: 1.30 Hect, Infra.: 2.10 Within FA limit.	Pit: 0.539 Dump - Nil Road: 1.30 Hect, Infra.: 2.10 Within FA limit.				Within FA.
9d	Scrutiny of Annual return on afforestation	Nil					
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil					
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Nil					No stocks
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production costs	Ex Mine Price Rs. 247.39, Cost of Production-Rs. 247.39					
9i	Scrutiny of Annual return on Fixed assets	FA= Rs. 0.000					
9k	Scrutiny of Annual return on mining Machineries	ROCK DRILL (NON ELEC.)	150 MM	2	Non Electrical	Open cast	List of Machinery given.
		SHOVEL (HYDRAULIC)	1.9 CUM	3	Non Electrical	Open cast	
		SHOVEL	2.100	2	Non	Open	

	(HYDRAULIC)	CUM		Electrical	cast
	TIPPER	12 CUM	28	Non Electrical	Open cast
	LOAD HAUL DUMPER	20 CUM	3	Non Electrical	Open cast
	DOZER	301 HP	1	Non Electrical	Open cast
	WATER TANKER	12000 LITRE	1	Non Electrical	Open cast
	OTHERS (NON-ELEC.)	110	2	Non Electrical	Open cast
	JEEP/ TRACTOR	25HP	1	Non Electrical	Open cast

Details of Validations observed during current inspection and compliance position of earlier violation pointed out: -

Sl No.	Nature of Violation	Compliance status
1	11(1), 34A of MCDR 2017	Complied.

Date:

Name: IBRAHIM SHARIEF

Designation: DEPUTY CONTROLLER OF MINES