

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

MCDR INSPECTION REPORT

Gandhinagar regional office

Mine file No : RAJ/UDP/LST-1

Mine code : 38RAJ26005

- (i) Name of the Inspecting : **P022**) **PANKAJ KULSHRESTHA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri K.P.Singh, Agent
Official with
Designation
- (iv) Date of Inspection : 27/08/2024
- (v) Prev.inspection date : 01/01/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DAROLI**
- (b) **Registration NO.** : **IBM/8329/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : UDAIPUR
Village : DAROLI
Taluka : VALLABHNAGAR
Post office :
Pin Code :
FAX No. : +91(0294)2655079
E-mail : mines@ucwl.jkmail.com
Phone : +91(0294)2561041
- (f) Police Station : DABOK
- (g) First opening date : 16/04/1969
- (h) Weekly day of rest : SUN
2. Address for : PO- DAROLI
correspondance : DISTT- UDAIPUR
UDAIPUR-313022
3. (a) Lease Number : RAJ1882
- (b) Lease area : 703.31
- (c) Period of lease :
- (d) Date of Expiry : 31/03/2030
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : UDAIPUR CEMENT WORKS LTD.
 SHRIPATINAGAR PO CFA, NEAR
 DABOK DISTT- UDAIPUR
 UDAIPUR RAJASTHAN
 Phone:
 FAX :

Owner : Sh. Naveen K Sharma
 Udaipur Cement Works Ltd
 Shripatinagar CFA, Dabok
 UDAIPUR RAJASTHAN
 Phone:
 FAX :

Agent : Krishan Pal Singh
 C/o Daroli Limestone Mines
 Post Daroli, Tehsil
 Vallabhnagar Distt. Udaipur
 UDAIPUR RAJASTHAN
 Phone: 9116110699
 FAX :

6. Date of approval of Mining	:	Modif.of approved Mining Plan	28/11/2006
Plan/Scheme of Mining		FMCP under 23C(1)	19/11/2013
		Renewal under rule 24 MCR1960	06/01/2014
		MP review under 17(1) MCR 2016	28/12/2017

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	No such proposal	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA, as per plan explored under G1 category upto 470 mRL	
1e	Balance reserve as on 01/04/20	107.68 million tonnes	107.68 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The present status of Geology and exploration may be considered as satisfactory.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Block D : E391790, N 2718940; E 391970, N 2718520 Block E : E392146 , N2717886 ; E392200 , N2717524	Block D : E391790, N 2718940; E 391970, N 2718520 Block E : No excavation	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches	Benchs only in mineral as the mineral is outcropping.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The present status of development of pit w.r.t type of deposit may be considered as satisfactory.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits (Block- D & Block E)	One pit- Block D	
3b	Quantity of ROM mineral production proposed	995838 MT	553061 MT produced during the year 2023-24	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%, No overburden	
3d	Quantity of mineral reject generation	Nil	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	NA	Not applicable	
3f	Quantity of sub grade mineral generation.	Nil	Not applicable	
3g	Grade of sub grade mineral generation	NA	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposal	Not applicable	

3j	Provision of drilling and blasting in mineral benches	Yes deep hole drilling and blasting proposed.	Yes, deep hole drilling and blasting is being done. 115mm dia holes blasted with ANFO & booster explosive.
3k	Provision of mining machineries in mineral benches	Yes	Yes, loading with L&T 300/ Komatsu excavators and transprotation by 35 MT trippers
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height proposed as 8m.	Bench height maintained at 8 m. max.
3m	Total area covered under excavation/pits	19.62 hectares	09.30 hectares under excavation/ pit.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.0	1:0.0
3o	Total area put in use under different heads at the end of year	Pit : 19.62 hectares, Waste dump: 0.50, Road and building infrastructure : 1.35 hectares Mineral stack: 0.0 hect. Total: 21.47 hectares	Pit : 09.30 hectares, Waste dump: 0.0, Road and building infrastructure : 0.78 hectares Mineral stack: 0.0 hect. Total: 10.08 hectares.
3p	Production of ROM mineral during the last five year period as applicable	2019-20 : 500328 T 2020-21 : 503491 T 2021-22 : 508937 T 2022-23 : 3521749 T 2023-24 : 995838 T	2019-20 : 489885T 2020-21 : 180407T 2021-22 : 505199T 2022-23 : 350465T 2023-24 : 553061T
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status of method of mining may be considered as satisfactory.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Top Soil/Over burden/Mineral reject.	Not applicable
4b	Location of topsoil, OB and mineral reject dumps	NA	Not applicable
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No dump	Not applicable
4e	Number of active and alive dumps.	None	None
4f	Number of dead dumps.	None	None
4g	Number of dumps established.	NA	Not applicable
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	Not applicable
4i	Length of Retaining wall or garland drain all along dumps	Retaininig wall 85 m and Garland drain 91 meters during the year 2023-24.	Not connstructed/achieved,a violation letter in this regarrd is under process.
4j	Number of settling ponds	No such proposal	Not applicable
4k	Specific comments of inspecting officer on waste dump management	NA	May be considered as satisfactory.

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.	NA	Not applicable	

5b	Area under backfilling of mined out area	NA	Not applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	The area under mining is devoid of top soil.
5d	Total area fully reclaimed and rehabilitated	No such proposal	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	The area is not matured for backfilling and 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	Yes , as per rule.	
6b	Area available for rehabilitation (ha) .	0.5 hect.	0.5 hecets.	
6c	afforestation done (ha).	0.5 hect.	o.5 hecets	
6d	No. of saplings planted during the year	500 saplings to be during the year 2023-24	Planted 500 saplings during the year 2023-24	
6e	Cumulative no .of plants	NA	4550 saplings planted so far.	
6f	Any other method of rehabilitation	NA	No other method of rehabilitation adopted during the year 2023-24	
6g	Cost incurred on watch and care during the year	Not specified	Rs.-100000/- incurred on watch and care during the year 2023-24.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No such proposal	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No such proposal	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No such proposal	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No such proposal	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No such proposal	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500 saplings to be planted over 0.5 hectares of area.	500 saplings planted over 0.5 hectares of area.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No such proposal	Not applicable

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Environtal monitoring is being done as per rule.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The overall status of PMCP compliance and progressive closure operations may be considered as satisfactory.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	0995838MT during the year 2023-24	During the year 2023-24 total 553061MT of ROM produced.Target of production could not be achieved during the year 2023-24 due to local issues (blasting related) as intimated by mine management during the inspection.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No such proposal	No grade wise sorting is being done.	
7c	Different grade of mineral sorted out at mines.	NA	Not applicable	
7d	Any beneficiation process at mines .	No benification process proposed at mine site.	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	The overall status on Mineral CONservation may be considered as satisfactory.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No such proposal	No top soil available in the area under mining.
8b	Concurrent use or storage of topsoil	No such proposal	Not applicable as no top soil available in the area under mining operation during the year 2023-24.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump	Not applicable as there is no top soil/overburden.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No such proposal	Not applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No such proposal during the year 2023-24	Not applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Area under plantation 0.5 hect. Toal 500 saplings proposed to be planted during the year 2023-24 with survival rate 80%	Planted 500 saplings in 0.5 hect. of area ,survival is 80%.
8g	Survival rate	80%	80%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes, a water tanker has been deployed for the purpose .
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The overall status on aesthetic beauty in and around mines area may be considered as satisfactory.

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes, submitted as per rule.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Agent : Shir K.P.Singh, Manager : Shri Balkishan Sharma Mining Engineer : Shri Pratik Kankariya Geologist: Shri Yashpal Singh Parmar	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/c mining : 9.30 hectares, Occupied by building and road: 0.78 hect. under plantation : 0.5 hect.	As above	
9d	Scrutiny of Annual return on afforestation	0.5 hectare of area with no. of saplings planted during the year 2023-24 -500.	As above	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation	Not applicable	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	553061 MT of ROM produced. Opening stock has been reported as 0 whereas Closing stock has been reported as 553061.000	As above	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 291.91/MT Cost of production reported.	The above mentioned figure seems to be correct.	
9h	Scrutiny of Annual return on fixed assets	Nil information furnished in the AR 2023-24.	No information furnished in the AR 2023-24.	

9k	Scrutiny of	Tipper : 10	The above machineries
	Annual return on	BH Drill : 1	have been deployed in
	mining	Back Hoe : 4	the mines.
	machineries	Water Tanker:	
		1	
		Jeep : 1	
		Loader: 1	
		Generator : 1	
		Explosive van:	
		0	

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)	12/09/2024	28/11/2024			

Date :

(PANKAJ KULSHRESTHA)

Indian Bureau of Mines