

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

MCDR INSPECTION REPORT

Ajmer regional office

Mine file No : RAJ/PAL-45/LST-3

Mine code : 38RAJ21009

- (i) Name of the Inspecting : **B014**) **CHANDRESH BOHRA**
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri Satish Audichya ,Agent
Official with
Designation
- (iv) Date of Inspection : 13/11/2024
- (v) Prev.inspection date : 14/09/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAS (183.53 H)**
- (b) **Registration NO.** : **IBM/447/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : RAJASTHAN
District : PALI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 02939288030
E-mail : manoj.malvi@ambujacement.co
Phone : 02939-289209,288011,288012
- (f) Police Station : RAS
- (g) First opening date : 19/09/2003
- (h) Weekly day of rest : SUN
2. Address for : AMBUJA CEMENT RAJASTHAN LTD
correspondance P.O:-RABRIYAWAS, TEH :- JAITARAN
DIST:-PALI, RAJASTHAN,306709
3. (a) Lease Number : RAJ1604
- (b) Lease area : 803.33
- (c) Period of lease : 50
- (d) Date of Expiry : 29/12/2045
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : AMBUJA CEMENT RAJASTHAN LTD
 Ambuja Cement Rajasthan
 Ltd. P.O:-Rabriyas, Teh:-
 Jaitaaran Dist:-Pali,
 Rajasthan PALI RAJASTHAN
 Phone:02939-288011-18
 FAX :02939-288030

Owner : AJAY KAPUR
 Elegant Business Park, MIDC
 Cross Road B, Andheri-
 Kurla Road, Andheri- East,
 Mumbai (Maharashtra) MUMBAI
 (SUBURBAN) MAHARASHTRA
 Phone: 022-40667000 /
 FAX :

Agent : Manoj Malvi
 P. O. Rabriyawas, Tehsil-
 Jaitaran, District Pali,
 Rajasthan PALI RAJASTHAN
 Phone: 90011090719
 FAX : 02939288030

Geologist

Name : Amit Sharma, Full Time
 Qualification : M Sc (Geology)
 Appointment/ : 27/10/2014
 Termination date

Geologist

Name : Deep Kishore Saraswat, Full Time
 Qualification : M Sc Geology
 Appointment/ : 16/06/2018
 Termination date

Manager

Name : Chandra Shekhar Dadeech
 Qualification : B. E. (Mining Engg)
 Appointment/ : 02/04/2012 15/06/2018
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	19/12/2013
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	03/11/2016
		MP modif under 17(3) MCR 2016	07/06/2018

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 proposal	Not Applicable	
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	Not Applicable	Not Applicable	
1e	Balance reserve as on 01/04/20	-	127.71748Million Tons	
1f	General remarks of inspecting officers on geology, exploration etc	NA	The present status on 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	N 2919406- N 2919828 E 423290-E 423575 N 2920170- N 2920467 E 423675-E 423902	N 2919406- N 2919828 E 423290-E 423575 N 2920170- N 2920467 E 423675-E 423902	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No OB.Only interburden. Seprate benches in mineral -	No OB.Only interburden	
2c	Stripping ratio or ore to OB ratio	1:0.06	1:0.02	
2d	Quantity of topsoil generation in m3	NIL	NIL	

2e	Quantity of overburden generation in m3	48460	6319
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NA	The overall status on 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	Nil	NA	
3b	Quantity of ROM mineral production proposed	1799977.50	370790	
3c	Recovery of sailable/usable mineral from ROM production	1529980.875	370790	
3d	Quantity of mineral reject generation	212066.25	-	feeding directly in Crusher
3e	Grade of mineral rejects generation and threshold value declared.	Cao<34%	Cao<34%	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised, Screen & wobbler installed.	Mechanised, Screen & wobbler installed.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	No	

3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	YES. Back Hoe Excavator - 3.50 Cum M Drilling machine- 1 Atlas Copco Dumper/Tipper- 30 Tons Water - tanker	YES. Back Hoe Excavator - 3.50 Cum M Drilling machine- 1 Atlas Copco Dumper/Tipper- 30 Tons Water - tanker
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES 8.00mtr	YES 8.00mtr
3m	Total area covered under excavation/pits	27.87 hectares	14.74 H.
3n	Ore to OB ratio for the pit/mine during the year.	1:.06	1:.02
3o	Total area put in use under different heads at the end of year	41.38 H.	16.03H.
3p	Production of ROM mineral during the last five year period as applicable	2018-2019: 279000 2019- 2020:1000000 2020-2021: 2000000 2021-2022: 2800000 2022- 2023:1201709	2018-19:242836 2019-20:155675 2020-21:199780 2021-22:263137 2022-23: 227585
3q	General remarks of inspecting officers on method of mining etc.	NA	The present status on 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)	NA	NA	The area is devoid of top soil.
4b	Location of topsoil, OB and mineral reject dumps	Top soil: Nil OB/IB : 02 Dumps Screen Reject : 01 Dump WD1: E423600- E423800/N29189 50-N2919150 1.65 WD2: E423750- E424000/N29190 50-N2919500 4.37 Screen reject no. 1 E423250- E423500/N29203 50-N2920600 2.70	WD1: Grid E 423600 to 423800 and N 2918950 to 2919150	
4c	Number of dumps within lease area and outside of lease area	03 dumps within lease area (02 OB & 1 SR) No dump is planned outside lease area.	01 (OB/IB dump)	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps are outside ultimate pit limit.	All dumps are outside ultimate pit limit.	
4e	Number of active and alive dumps.	03	01	
4f	Number of dead dumps.	0	0	
4g	Number of dumps established.	No Proposal	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	0	0	
4i	Length of Retaining wall or garland drain all along dumps	0	0	

4j	Number of settling ponds	0	NA
4k	Specific comments of inspecting officer on waste dump management	NA	The overall status on waste dump management 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	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NA	No backfiling and reclamation possible at the current stage of mining.	

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).	As per Rule 26(2)	Submitted.	
6b	Area available for rehabilitation (ha) .	Nil	NA	

6c	afforestation done (ha).	1.0 H	1.5 H
6d	No. of saplings planted during the year	1000	1200
6e	Cumulative no .of plants	22710	24410
6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	1,80,000	2,16,000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes, as per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NA	The present status on 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	No Proposal	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	NA	
7c	Different grade of mineral sorted out at mines.	No Proposal	NA	
7d	Any beneficiation process at mines	No Proposal	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA		The overall status on Mineral Conservation and beneficiation may be considered as satisfactory.

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	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	As given above	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	22710	24410	
8g	Survival rate	84%	85%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	The present status on aesthetic beauty in and around mines area may be considered as satisfactory.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Yes submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge: Shri Rajendra Sunariya, Geologist in charge : Shri Sanwana Kumari Sahu	As above	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Outside Forest : 183.425 hectares, Covered under current (O-C) Workings : 14.74 H, Used for waste disposal : 0.66 H, Occupied by plant, buildings, residential, welfare buildings and roads : 0.63, Used for any other purpose (specify) Plantation : 8.280 H	As above	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year : 1200, Total no. of trees at the end of year 1020	As above	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No reject generation reported	As above	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock : 0.0, Production : 370790.31 T, Closing Stock : 0.0	As above	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-Mine price reported as Rs. 226.62	The ex-mine price reported seems to be correct.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets at the begning of the year Rs. 6158155 with depreciation of Rs. 3268253 the net closing balance is Rs. 2889902	As above
9k	Scrutiny of Annual return on mining machineries	BACK HOE-1, TIPPER-10, ROCK DRILL (NON-ELEC.)-1, WATER TANKER-1,	As above

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

Date :

(CHANDRESH BOHRA)

Indian Bureau of Mines