

**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 : **S012** ) **Sharma H.C.**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sh. Chandra Shekhar Dadheech, Sh. Amit Sharma  
Official with  
Designation
- (iv) Date of Inspection : 07-SEP-16
- (v) Prev.inspection date : 19-SEP-15

**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-SEP-03**
- (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**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **29-DEC-15**
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

## Mining Engineer

Name : Vinod chaudhry, Full Time  
 Qualification : B. E. (Mining Engg)  
 Appointment/ : 11-AUG-16  
 Termination date

## Geologist

Name : Amit Sharma, Full Time  
 Qualification : M Sc (Geology)  
 Appointment/ : 27-OCT-14  
 Termination date

## Manager

Name : Chandra Shekhar Dadeech  
 Qualification : B. E. (Mining Engg)  
 Appointment/ : 02-APR-12  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 19-DEC-13

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	34 No. of boreholes proposed to be drilled to a meterage of 2430M during 2014-15 & 27 boreholes to be drilled in 2015-16 to a meterage of 1525M.	34 No. of boreholes drilled to a meterage of 2039.48 M during 2014-15 and 04 boreholes drilled to a meterage of 300.35 M .	
1b	Exploration over lease area for geological axis 1 or 2	Exploration to level of G-1 covering entire lease area of 183.53 ha	Being done	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Agency & cost not specified.	GIEM India, Kolkata with cost of 87.69 Lacs for all the 61 Boreholes drilled so far.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NiL	None	
1e	Balance reserve as on 01/04/20	126.82 Million tonnes under 111 proved category and 121 & 122 probable Category.	126.96 Million tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc	Not specified	The entire lease area had been covered under G-1 level exploration	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	436 & 428mRL E5400-E5600/ N21100- N21400; 484 & 476mRL, E5500-E5700/N20800-N21050.	436 & 428mRL E5400-E5600/ N21100- N21400; 484 & 476mRL, E5500-E5700/N20800-N21050.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	04	03 in mineral
2c	Stripping ratio or ore to OB ratio	1:0.33	1:0.06
2d	Quantity of topsoil generation in m3	Nil	Nil
2e	Quantity of overburden generation in m3	3720000 T	4500000 T
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not proposed	The development work is lagging.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	Being done	
3b	Quantity of ROM mineral production proposed	279000 T	256012	
3c	Recovery of sailable/usable mineral from ROM production	75%	93%	
3d	Quantity of mineral reject generation	93000 MT	19780MT	
3e	Grade of mineral rejects generation and threshold value declared.	Not specified	NA	

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3f	Quantity of sub grade mineral generation.	Not specified	There is no generation of Subgrade Mineral at site.
3g	Grade of sub grade mineral generation	Not specified	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Being Done
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not specified	No
3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	Yes	Yes
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	6.97 ha	6.39 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.33	1:0.06
3o	Total area put in use under different heads at the end of year	Area covered under excavation- 6.97 ha, Top Soil Storage- 0.20 ha, Waste Dumping- 3.30, Plantation - 4.00	Area covered under excavation- 6.39 ha, Top Soil Storage- Nil, Waste Dumping- 1.2 ha, Plantation - 8.75 ha.

3p	Production of ROM mineral during the last five year period as applicable	2012-13-- 0.006 Million T, 2013-14-- 0.279 Million T, 2014-15-- 0.279 Million T, 2015-16-- 0.279 Million T, 2016-17-- 0.279 Million T.	2012-13-- 6066.28 T, 2013-14-- 166107 T, 2014-15-- 255643 T, 2015-16-- 256012 T.
3q	General remarks of inspecting officers on method of mining etc.	Not specified	The performance of lessee in exploitation is satisfactory.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top Soil Not available, seperate dumping of O/B & interburden proposed.	Top Soil- Nil, O/B & I/B-- 0.28 ha	
4b	Location of topsoil, OB and mineral reject dumps	O/B waste dumping E5900-6200 and N20900-21200	O/B Dumped at E6100-6130 and N20300-20230	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Being done	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No proposal	Not applicable now.	
4h	Whether Retaining wall or garland drain all along dumps are there.	A retaing wall of 200m proposed.	No such retaing wall provided.	
4i	Length of Retaining wall or garland drain all along dumps	200 m	Nil	

4j	Number of settling ponds	01	01
4k	Specific comments of inspecting officer on waste dump management	Not specified. The general house keeping of Waste dumps is unsatisfactory.	

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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 proposals	No matured area for backfilling yet.	
5b	Area under backfilling of mined out area	Not Specified	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Specified	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not Specified	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not Specified	There is no top soil. Presently there is no matured area available for backfilling.	

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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	Not submitted	V /L pointed out.
6b	Area available for rehabilitation (ha) .	No proposals.	Not applicable	

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6c	afforestation done (ha).	4.0 ha	4.35 ha
6d	No. of saplings planted during the year	1000 Nos. per year.	2500 No of saplings planted during 2015-16.
6e	Cumulative no .of plants	4000 Nos.	5000 Nos.
6f	Any other method of rehabilitation	Not specified	Not applicable
6g	Cost incurred on watch and care during the year	Not Specified.	Rs. 3.97 lacs
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not applicable	Not applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not applicable	Not applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Yes	Being done



6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable	Not applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Being done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not specified	There is no matured area available for reclamation & rehabilitation in the mine presently.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not specified	There is no grade wise sorting of mineral, the R.O.M. mineral is dispatched to the Plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not specified	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines	Not specified	There is no beneficiation process at mines.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable	The mine is at initial stage of development & there is no gradewise sorting practice at mine site.	

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no top soil in the area proposed for excavation.	Not applicable	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals	The small quantity used in haulage road & rest of O/B dumped seperately. There is no fine of reject generation.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The hilly area is devoid of Vegetation cover except few thorny bushes.	A total of 5000 nos of saplings planted so far.	
8g	Survival rate	Not applicable	77%	
8h	Water sprinkling on roads to control airborne dust	Yes	Being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable	The aesthatic beauty in and around the mine is satisfactory.	

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M/R submitted up to Sept. 2016 & A/R submitted for 2015-16.	M/R submitted up to Sept. 2016 & A/R submitted for 2015-16.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes Details Given in A/R.	There was nil entry of Mining Engineer in the A/R, Presently Sh Vinod Choudhry appointed on 11/08/2016.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Found in order	
9d	Scrutiny of Annual return on afforestation	Yes Given	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The reject generation shown Nil.	Found in order.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The sale value & Ex-mine prices shown nil. Cost of Production given.	Since it is captive mine & there is no sale of mineral directly, hence Ex-mine price shown Nil.	
9h	Scrutiny of Annual return on fixed assets	Yes Given	Found in order	
9k	Scrutiny of Annual return on mining machineries	Yes Given	Found in order.	

**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
Rule 13(1)	29-SEP-16				
Rule 23E(2)	29-SEP-16				
Rule 27(4)	29-SEP-16				

**Date :**

(Sharma H.C.)

Indian Bureau of Mines