

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

**MCDR INSPECTION REPORT**

**Ajmer regional office**

**Mine file No :** RAJ/SRH- 25/LST- 4

**Mine code :** 38RAJ24004

- (i) Name of the Inspecting : **R018** ) **N L ROAT**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Rajendra Kumar Goyal,G M (Mines).  
Official with  
Designation
- (iv) Date of Inspection : 15-SEP-16
- (v) Prev.inspection date : 02-MAR-16

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **AMLI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : RAJASTHAN  
District : SIROHI  
Village : AMLI AND MALAP  
Taluka : PINDWARA  
Post office : BINANIGRAM  
Pin Code : 307025  
FAX No. : 02971-225019  
E-mail : bgrintak\_jpl@sancharnet.in  
Phone : 02971-225005
- (f) Police Station :
- (g) First opening date : 15-JAN-97
- (h) Weekly day of rest : SUN
2. Address for : Binani Cements Ltd.,  
correspondance Binanigram-307025  
Pindwara, district Sirohi
3. (a) Lease Number : RAJ1671  
(b) Lease area : 468.69  
(c) Period of lease : 20  
(d) Date of Expiry : 26-JAN-16
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : BINANI CEMENT LTD  
 BINANI CEMENT LTD,  
 BINANIGRAM, PINDWARA SIROHI  
 RAJASTHAN  
 Phone:02971-20705- 09  
 FAX :02971-20700

Owner : Jyotirmoy Ghose  
 Binani Cement Ltd.  
 Binanigram, Tehsil-  
 Pindwara, Distt. Sirohi  
 SIROHI RAJASTHAN  
 Phone: 02971- 235005  
 FAX : 02971-235020

Agent : Girdhar Jadhao  
 Binani Cement Ltd.  
 Binanigram, Tehsil  
 Pindwara, Distt. Sirohi  
 SIROHI RAJASTHAN  
 Phone: 02971-235005  
 FAX : 02971-235020

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	14-SEP-98
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25-SEP-02
		Modif.approved Mining Scheme	10-APR-03
		Modif.approved Mining Scheme	16-JAN-04
		Mining Scheme rule 12 MCDR1988	17-AUG-05
		Modif.approved Mining Scheme	13-OCT-09
		Mining Scheme rule 12 MCDR1988	14-SEP-12
		MP modif under MCR 1960	05-MAY-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog for previous year 2015-16.	Not applicable.	Nil.
1b	Exploration over lease area for geological axis 1 or 2	No proposal for 2015-16.	Actually the lease area has been explored by putting 34 nos of over lease area for Geological axis 1 or 2.	Nil.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal for 2015-16.	Not applicable.	Nil.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal for 2015-16.	Actually 218 hect.area has to be explored for Geological axis 1 or 2.	Nil.
1e	Balance reserve as on 01/04/20	Reserves as on 1/04/2016 is 216.74million s tonns.	Reserves as on 1/04/2016 is 216.74millions tonns.	Nil.
1f	General remarks of inspecting officers on geology, exploration etc	No proposal for 2015-16.	The area has been explored in past, But the remaining area need to be explored for axis G1 or G2.	Nil.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	N2176 to N4870 and E2634 to E530.	N2176 to N4870 and E2634 to E530.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal.	Actually the area devoid of OB waste.	Nil.
2c	Stripping ratio or ore to OB ratio	1:0.17.	1:0.17.	Nil.
2d	Quantity of topsoil generation in m3	No proposal.	Top soil does not exist.	Nil.
2e	Quantity of overburden generation in m3	Inter burden- 762000M3.	765763M3.	Nil

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No proposal.	The mine development is suitable w.r.t. type of deposit .	Nil.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One.	One.	Nil.
3b	Quantity of ROM mineral production proposed	9771430MT.	6424961.50MT	Total rock handling including waste.
3c	Recovery of sailable/usable mineral from ROM production	6350000MT.	4510552.00MT.	Limestone.
3d	Quantity of mineral reject generation	816430MT.	450108.00MT.	Screen rejects.
3e	Grade of mineral rejects generation and threshold value declared.	<34%CaO.	<34%CaO.	Nil.
3f	Quantity of sub grade mineral generation.	No proposal.	Nil.	Direct use.
3g	Grade of sub grade mineral generation	No proposal.	Not applicable.	Nil.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical.	Mechanical.	Nil.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal.	Not applicable.	Nil.
3j	Provision of drilling and blasting in mineral benches	Drilling& blasting is proposed in mineral bench.	Drilling& blasting is done in mineral bench.	Nil.

3k	Provision of mining machineries in mineral benches	Exploitation is proposed to be carried out by machinery in mineral bench.	HEMM are used for benching.	Nil.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	Yes.	Nil.
3m	Total area covered under excavation/pits	117.38Hect.	105.41Hect.	Nil.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.17	1:0.17	Nil.
3o	Total area put in use under different heads at the end of year	Pits-117.38hect, Dumps-17.00hect.plant, building, township-19.00hect, plantation-22.00hect. Dumps outside ML-4.00Hects.	Pits-105.41hect, Dumps-22.84hect.plant, building, township-18.5hect, plantation-27.06hect. Dumps outside ML-11.06Hects.	Nil.
3p	Production of ROM mineral during the last five year period as applicable	(2011-12)-6350000MT, (2012-13)-6350000MT, (2013-14)-6350000MT, (2014-15)-6350000MT, (2015-16)-6350000MT,	(2011-12)-6343242MT, (2012-13)-6337310MT, (2013-14)-5927533MT, (2014-15)-4759451MT, (2015-16)-4510552MT,	Nil
3q	General remarks of inspecting officers on method of mining etc.	No proposal.	The method of mining adopted is suitable for the deposit.	Nil.

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)	Separate dumping of IB waste is proposed.No proposal of topsoil	Separate dumping of IB waste is done.No topsoil generation	Nil.
4b	Location of topsoil, OB and mineral reject dumps	No proposal of storing of topsoil,4nos of IB waste to be disposed off in Western part of lease area& 2nos of waste dumps out side near Western lease boundary.	Actually dumping with in ML area is as proposed& no dumping of waste is done after 27/01/2016 as reported by accompanying mine representative.	Nil.
4c	Number of dumps within lease area and outside of lease area	Four in side MLarea&two outside MLarea.	Four in side MLarea&two outside MLarea.	Nil.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Four in side MLarea&two outside MLarea.	Four in side MLarea&two outside MLarea.	Nil.
4e	Number of active and alive dumps.	Six.	Six.	Nil.
4f	Number of dead dumps.	No proposal.	Nil	Nil.
4g	Number of dumps established.	As per SOM approved on 14/09/2012 the existing dumps proposed to be stabilized by construction garland drain around dumps.	The existing have not stabilized by construction garland drain around dumps.	Violation of Rule 13(1) pointed out.
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drain proposed.	Garland drain proposed is not observed. Violation of Rule 13(1) pointed out.	Violation of Rule 13(1) pointed out.
4i	Length of Retaining wall or garland drain all along dumps	No specific year wise length of retaining wall or garland proposed.	Garland drain proposed is not observed. Violation of Rule 13(1) pointed out.	Violation of Rule 13(1) pointed out.
4j	Number of settling ponds	No proposal.	Not applicable.	Nil.

4k	Specific comments of inspecting officer on waste dump management	No proposal.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.	Actually at places the existing waste dumps are required to secure by vegetation, constructing retaining wall and garland drain etc at the base of dumps.
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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 part is fully extracted of mineral and no proposal of back filling during 2015-16.	Not applicable.	Nil.
5b	Area under backfilling of mined out area	No such proposal.	Not applicable.	Nil.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No such proposal.	Not applicable.	Nil.
5d	Total area fully reclaimed and rehabilitated	No such proposal.	Not applicable.	Nil.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No such proposal.	No part of worked out pit mature for backfilling.	Nil.

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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).	No such proposal.	The annual report on PMCP for the year2015-16 was not submitted.	Violation of Rule 23E(2) is pointed out.

6b	Area available for rehabilitation (ha) .	No such proposal for the year 2015-16.	Not applicable.	Nil.
6c	afforestation done (ha).	0.625hect for the year2015-16.	Actually as observed during inspection the targatted plantation of the year 2015-16 has not been carried out by the lessee for which violation of Rule 13(1)	
6d	No. of saplings planted during the year	Total 1000 saplings for the year 2015-16.	Actually as observed during inspection the targatted plantation of the year 2015-16 has not been carried out by the lessee for which violation of Rule 13(1)	Violation of Rule 13(1) is pointed out.
6e	Cumulative no .of plants	No proposal.	Comulative no.of plants-1800.	Nil.
6f	Any other method of rehabilitation	No proposal.	Not applicable.	Nil.
6g	Cost incurred on watch and care during the year	No proposal.	Rs.50,000/-	Nil.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal.	Not applicable.Actually no void is mature for backfilling.	Nil.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Not applicable.Actually no void is mature for backfilling.	Nil.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal.	No backfilled area available at present.	Nil.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Not applicable.	Nil.



6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal.	Not applicable.	Nil.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	Not applicable.	Nil.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal.	Not applicable.	Nil.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal.	Not applicable.	Nil.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitorin of air & water is proposed.	Quarterly monitorin of air & water is proposed.	Nil.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Except plantation& construction of barrier and garland drain no other specific proposal.	Actually as noticed during inspection the proposed plantation& construction of retaining wall/garland drain not done.	Violation of Rule 13(1) is pointed out.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	During (2015-16 ) 9071430MT.	During (2015-16 ) 4510552MT.	Nil.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal.	Nosorting.	Nil.

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7c	Different grade of mineral sorted out at mines.	No proposal.	Nosorting.	Nil.
7d	Any beneficiation process at mines	No proposal.	Crushing of ROM limestone.	Nil.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No proposal.	Actually the crushed limestone production is dispatched to cement plant.	Nil.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal.	Not applicable.	Nil.
8b	Concurrent use or storage of topsoil	No proposal.	Not applicable.	Nil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The waste generated is proposed to be dumped separately.	The waste generated is dumped separatelyThe screen rejects and fines generated separately dumped.	Nil.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal.	Not applicable.	Nil.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for 2015-16.	Not applicable.	Nil.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal for 2015-16.	In addition to the saplings planted the locally grown vegetation exist in the lease area.	Nil.
8g	Survival rate	No proposal.	80%.as reported by accompying representative.	Nil.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on all dust generation pointsi.e. haul road.	It is being done.	Nil.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No such proposal.	Except degradation of land it is good.	Nil.

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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 August, 2016 & A. R. submitted for 2015-16.	The position of Submission of M/R & A/R is satisfactory.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes.	Found O.K.	Nil.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Found O.K.	Nil
9d	Scrutiny of Annual return on afforestation	yes, given	Found O.K.	Nil.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given for O/B removed & reject generation.	Found O.K.	Nil.

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details Given	Found O.K.	Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes.	Found O.K.	Nil.
9h	Scrutiny of Annual return on fixed assets	Given.	Details given.	Nil.
9k	Scrutiny of Annual return on mining machineries	Yes	Found O.K.	Nil.

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**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
Rule 13(1)	19-OCT-16				
Rule 23E(2)	19-OCT-16				

**Date :**

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Indian Bureau of Mines