

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SOLAN/LST-3

**Mine code :** 38HPR11002

- (i) Name of the Inspecting : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **SHRI ANKUR AGARWAL, AGENT MINES**  
Official with  
Designation
- (iv) Date of Inspection : 25/02/2017
- (v) Prev.inspection date : 25/09/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KASHLOG**
- (b) **Registration NO.** : **IBM/447/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : HIMACHAL PRADESH  
District : SOLAN  
Village : KASHLOG  
Taluka : ARKI  
Post office : KASHLOG  
Pin Code : 171102  
FAX No. : (01796) - 248335/246486  
E-mail : ankur.agarwal@ambujacement  
Phone : (01796)-248335/246286
- (f) Police Station :
- (g) First opening date : 04/08/1993
- (h) Weekly day of rest : SUN
2. Address for : M/S AMBUJA CEMENT LTD.  
correspondance : VILLAGE- SULI , P.O- DARLAGHAT  
DISTRICT- SOLAN , ( H.P), PIN - 171102
3. (a) Lease Number : HPR0038
- (b) Lease area : 469
- (c) Period of lease : 50
- (d) Date of Expiry : 27/05/2042
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : GUJARAT AMBUJA CEMENTS LTD  
 VILL - SULI, PO-DARLAGHAT  
 TEH-ARKI SOLAN HIMACHAL  
 PRADESH  
 Phone:01796-48210,48386,48351  
 FAX :01796-48335

Owner : A. L. KAPUR  
 GUJRAT AMBUJA CEMENTS LTD.  
 122, MARKET CHAMBERS - III  
 NARIMAN POINT, MUMBAI -  
 400021 SOLAN HIMACHAL  
 PRADESH  
 Phone: (022) 22853044  
 FAX : (022) 22852921

## Mining Engineer

Name : HEMANT SHARMA, Full Time  
 Qualification : B. E. (MINING), FCC  
 Appointment/ : 16/08/2002 01/04/2005  
 Termination date

## Mining Engineer

Name : R.B.SINGH, Full Time  
 Qualification : B.E MINING  
 Appointment/ : 01/04/2007  
 Termination date

## Manager

Name : MANOJ VERMA  
 Qualification :  
 Appointment/ : 27/07/2013  
 Termination date

## Manager

Name : SANJAY SHARMA  
 Qualification : B. E. (MINING), FCC  
 Appointment/ : 16/08/2002 01/04/2007  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 12/04/1993  
 Existing rule 11 MCDR1988 05/03/1998  
 Mining Scheme rule 12 MCDR1988 14/10/1999  
 Mining Scheme rule 12 MCDR1988 21/06/2004  
 Mining Scheme rule 12 MCDR1988 21/06/2004  
 Mining Scheme rule 12 MCDR1988 20/04/2009  
 Renewal under rule 22 MCR1960 20/03/2012  
 FMCP under 23C(1) 19/11/2013  
 Modif.of approved Mining Plan 20/02/2014

## 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	7	7	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Khanna & Associates, New Delhi Rs. 51,63,867/-	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01.04.2016 Limestone: 204.20 mt	
1f	General remarks of inspecting officers on geology, exploration etc			The entire area has been explored as per UNFC norm.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	<p>Western Block Development Plan:S480-S890/W20-W240:face alignment will be E-W while the advancement will be in North and south directions.Benches from 1380mRL to 1240mRL would be developed.N150-N370/E380-E780:face alignment would be initially EW with advancement in NW direction.Benches from 1460 to 1440mRL would be developed. Eastern Block development Plan: S1060-S1420/E2090-E2660:Chopping of the hill for the development of benches 1640 to 1670mRL,bench width about 50m.</p>	<p>Western block: Carried out as per proposal. Eastern block: Less advancement.</p>
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	NIL
2c	Stripping ratio or ore to OB ratio	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil

2e	Quantity of overburden generation in m3	Nil	Nil
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos.	2 nos. (Western & Eastern block)	
3b	Quantity of ROM mineral production proposed	6.84 million tonnes of Limestone Production proposed in the year 2015-16.	5.14 million tonnes of Limestone actual production.	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	

3j	Provision of drilling and blasting in mineral benches	Conventional method of drilling & blasting with down the hole drill machine of 150 mm size	Conventional method of drilling & blasting with down the hole drill machine of 150 mm size
3k	Provision of mining machineries in mineral benches	Hydraulic excavators and dumpers will be used for loading and transporting blasted material.	Hydraulic excavators and dumpers are used for loading and transporting blasted material.
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	82.67 ha.	70.76 ha.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	Excavation: 82.67 ha. Plantation: 9.28 ha. Others: 16.54 ha.	Excavation: 70.76 ha. Plantation: 9.91 ha. Others: 16.12 ha.
3p	Production of ROM mineral during the last five year period as applicable	Limestone production proposal for last five years: 2011-12: 6.84 MT 2012-13: 6.84 MT 2013-14: 6.84 MT 2014-15: 6.84 MT 2015-16: 6.84 MT 2016-17: 6.84 MT	Actual production for the last five years: 2011-12: 4.92 MT 2012-13: 4.92 MT 2013-14: 4.59 MT 2014-15: 4.87 MT 2015-16: 5.14 MT 2016-17: 2.61 MT (Up to Sept 2016)

3q General remarks of inspecting officers on method of mining etc. Opencast Fully mechanized Mining Method was proposed. Opencast Fully mechanized Mining Method was adopted as per proposal.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
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)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no mature area 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 submitted	Yes submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1 Hect	1.53 Hect.	
6d	No. of saplings planted during the year	2500	5332	
6f	Any other method of rehabilitation	Nil	Nil	



6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be complied	Monitoring is being carried 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	Total ROM is dispatched to cement plant.	Total ROM is dispatched to cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Complete ROM is being feed to cement plant.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	The top soil cover wherever encountered will be removed separately and utilized for plantation.	The top soil cover wherever encountered is removed separately and utilized for plantation.
8b	Concurrent use or storage of topsoil	The soil would be temporarily stacked in the lease area prior to its utilization for plantation.	Used simultaneously.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Within ML: Area: 1 ha. No.: 2500	Within ML: Area: 1.53 ha. No.: 5332
8g	Survival rate	80%	96%
8h	Water sprinkling on roads to control airborne dust	Yes	Yes

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No adverse effect is observed.
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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 upto January, 2017 A.R. submitted upto 2015-16	M.R. Submitted upto January, 2017 A.R. submitted upto 2015-16	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Sh. Manoj Verma, Mines Manager Sh. Ravi Bhushan Singh, Mining Engineer Sh. M.P. Singh, Geologist	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Nil back filling	
9d	Scrutiny of Annual return on afforestation	Given	5332 nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Nil reject	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Nil stock	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Cost of Production:167.57/MT of ROM	
9h	Scrutiny of Annual return on fixed assets	Given	Given	
9k	Scrutiny of Annual return on mining machineries	Given	Given	



**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)	03/03/2017	29/03/2017			
Rule 27(4)	03/03/2017	29/03/2017			

**Date :**

(DATA RAM GURJAR)

Indian Bureau of Mines