

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/BLS/LST-9

**Mine code :** 38HPR01003

- (i) Name of the Inspecting : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Pankaj Nayan, Chief Manager(Mines)  
Official with  
Designation
- (iv) Date of Inspection : 28/09/2016
- (v) Prev.inspection date : 10/10/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GAGAL**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : HIMACHAL PRADESH  
District : BILASPUR  
Village : BARMANA  
Taluka : SADAR  
Post office : BARMANA  
Pin Code :  
FAX No. : (01978) - 244067  
E-mail : www.acclimited.com  
Phone : (01978) -44041/44037/44033,
- (f) Police Station : BARMANA
- (g) First opening date : 06/01/1983
- (h) Weekly day of rest : SUN
2. Address for : M/S A.C.C LTD.  
correspondance : GAGAL CEMENT PROJECT  
P.O. BARMANA , DISTT- BILASPUR ( H.P)
3. (a) Lease Number : HPR0001  
(b) Lease area : 231.25  
(c) Period of lease : 20  
(d) Date of Expiry : 18/02/2019
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : ASSOCIATED CEMENT COMPANY LTD.  
 Co. GAGAL CEMENT PROJECT  
 BILASPUR HIMACHAL PRADESH  
 Phone:  
 FAX :

Owner : HARISH BADAMI  
 M/S ACC LTD, CEMENT HOUSE,  
 121, M.K.Road Mumbai  
 MUMBAI (SUBURBAN)  
 MAHARASHTRA  
 Phone: 01978-244069, 24  
 FAX :

Agent : RAJAT KUMAR PRUSTY  
 GAGAL CEMENT WORKS, PO-  
 BARMANA, BILASPUR HIMACHAL  
 PRADESH  
 Phone:  
 FAX :

## Mining Engineer

Name : S.K.SINGH, Full Time  
 Qualification : B.E. MINING, FCC  
 Appointment/ : 10/02/2008 08/10/2008  
 Termination date

## Mining Engineer

Name : HARSH VATSYAYAN, Full Time  
 Qualification : B.E. MINING  
 Appointment/ : 08/10/2008  
 Termination date

## Manager

Name : S.K.SINGH  
 Qualification : B.E. MINING, FCC  
 Appointment/ : 10/02/2008 02/06/2013  
 Termination date

## Manager

Name : PANKAJ NAYAN  
 Qualification : BE(Mining)  
 Appointment/ : 03/06/2013  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Existing rule 11 MCDR1988 21/05/1991  
 Mining Scheme rule 12 MCDR1988 23/08/1997  
 Renewal under rule 22 MCR1960 13/08/1999  
 Renewal under rule 22 MCR1960 13/08/1999  
 Mining Scheme rule 12 MCDR1988 13/04/2004  
 Mining Scheme rule 12 MCDR1988 03/10/2008  
 Mining Scheme rule 12 MCDR1988 03/10/2008  
 Mining Scheme rule 12 MCDR1988 11/09/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	12 holes drilling were poroposed in SOM period i.e. 2013-14 to 2017-18.	7 holes drilled (as on 28th Sep16')	
1b	Exploration over lease area for geological axis 1 or 2	12 holes drilling were poroposed in SOM period i.e. 2013-14 to 2017-18.	7 holes drilled (as on 28th Sep16')	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Synergy Geotech pvt.Ltd Rs 6,690,000.00 During the SOM Period.	Rs 3,015,768.00	
1d	Balance area to be explored to bring Geological axis in 1 or 2	12 holes drilling were poroposed in SOM period i.e. 2013-14 to 2017-18.	7 holes drilled (as on 28th Sep16')	
1e	Balance reserve as on 01/04/20	Balance reserves as on 01.04.2016 as per approved SOM Proved Reserve Limestone-132.86 Million tonne	Balance reserves as on 01.04.2016 Proved Reserve Limestone-134.23 Million tonnes	
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	Development in SE &NW directions of Limestone and Shale benches	Done as per proposal	The Benches in limestone will be worked from 13th bench to 22nd bench between 810m RL to 720m RL. So The face advance will be in South East & North West direction. The Benches in Shale will be worked from 11th to 18th benches between 850m RL to 770m RL. The face advance will be in North West direction
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	During proposed period there will be no generation of overburden and waste.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of pit is going as per proposal given in approved Scheme of Mining.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 nos.	1 nos.	
3b	Quantity of ROM mineral production proposed	4.5 million tonne	4.08 million tonne	
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.	NA	NA
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
3j	Provision of drilling and blasting in mineral benches	Adopting conventional method of drilling by 150mm dia drill M/C & blasting is done by using latest technology of Down the hole initiation system(NONEL)	Adopting conventional method of drilling by 150mm dia drill M/C & blasting is done by using latest technology of Down the hole initiation system(NONEL)
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, Average Height of benches proposed are 10m.	Yes, Average Height of benches are 10m.

3m	Total area covered under excavation/pits	57.25 ha.	57.25 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	Under mining approximately 57.25 Hect area will be used at the end of year 2015-16.	Same as per proposal.
3p	Production of ROM mineral during the last five year period as applicable	Yr- 2011-12=4.5 Million Tonne Yr- 2012-13=4.5 Million Tonne Yr- 2013-14=4.47 Million Tonne Yr- 2014-15=4.48 Million Tonne Yr 2015-16=4.49 Million Tonne	Yr- 2011-12=4.33 Million Tonne Yr- 2012-13 -3.92 Million Tonne Yr- 2013-14 -3.81 Million Tonne Yr- 2014-15- 4.13 Million Tonne Yr 2015-16 4.08 Million Tonne
3q	General remarks of inspecting officers on method of mining etc.	Open cast full mechanised mining method proposed.	Same 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	NA	NA	
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.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drains all along dumps.	Garland drains all along dumps and check dams were made along slopes to avoid siltation going in general stream of water course.
4j	Number of settling ponds	2	2

#### 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 Proposal	NA	
5b	Area under backfilling of mined out area	No Proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	NA	
5d	Total area fully reclaimed and rehabilitated	No Proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no mature area for backfilling.

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Nil	Submitted	
6c	afforestation done (ha).	1Ha	1Ha	
6d	No. of saplings planted during the year	1000	1200	
6g	Cost incurred on watch and care during the year	Rs 252000	Rs 252000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	N/A	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	N/A	
6p	Compliance of environmental monitoring (core zone and buffer zone)			Monitoring is being carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment parameters are being monitored.,

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mine is captive & total ROM is dispatched to cement plant.	Mine is captive & total ROM is dispatched to cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals	NA	



7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Complete ROM is being fed to cement plant.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	1000	1200	
8g	Survival rate		80%	
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			No adverse thing in this regards 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 - Sep-2016 A.R. submitted upto - 2015-16	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Given
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	1200 Nos.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	No 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	Given
9h	Scrutiny of Annual return on fixed assets	Given	ok
9k	Scrutiny of Annual return on mining machineries	Given	ok

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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 28(1)	07/10/2016	21/11/2016			
Rule 48	07/10/2016	21/11/2016			

**Date :**

(DATA RAM GURJAR)

Indian Bureau of Mines