

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/BLS/LST-9

Mine code : 38HPR01003

- (i) Name of the Inspecting Officer and ID No. : 002 ) DAMODAR PRASAD SHARMA
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine Official with Designation : Shri Pankaj Nayan, Chief Manager (Mines)
- (iv) Date of Inspection : 14-NOV-19
- (v) Prev. inspection date : 15-JUN-18

PART-I : GENERAL INFORMATION

1. (a) Mine Name : GAGAL
- (b) Registration NO. : IBM/256/2011
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address : HIMACHAL PRADESH  
State : BILASPUR  
District : BARMANA  
Village : SADAR  
Taluka : BARMANA  
Post office :  
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-JAN-83
- (h) Weekly day of rest : SUN
2. Address for correspondence : M/S A.C.C LTD.  
GAGAL CEMENT PROJECT  
P.O. BARMANA , DISTT- BILASPUR ( H.P)
3. (a) Lease Number : HPR0001
- (b) Lease area : 231.25
- (c) Period of lease : 51
- (d) Date of Expiry : 31-MAR-30
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-FEB-08  
Termination date : 08-OCT-08

## Mining Engineer

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

## Mining Engineer

Name : Rizwan Jamil, Full Time  
Qualification : B.E (Mining)  
Appointment/ : 23-OCT-13  
Termination date

## Manager

Name : S.K.SINGH  
Qualification : B.E. MINING, FCC  
Appointment/ : 10-FEB-08  
Termination date : 02-JUN-13

## Manager

Name : PANKAJ NAYAN  
Qualification : BE (Mining)  
Appointment/ : 03-JUN-13  
Termination date

## 6. Date of approval of Mining Plan/Scheme of Mining

: Existing rule 11 MCDR1988 21-MAY-91  
Mining Scheme rule 12 MCDR1988 23-AUG-97  
Renewal under rule 22 MCR1960 13-AUG-99  
Renewal under rule 22 MCR1960 13-AUG-99

Mining Scheme rule 12 MCDR1988	13-APR-04
Mining Scheme rule 12 MCDR1988	03-OCT-08
Mining Scheme rule 12 MCDR1988	03-OCT-08
Mining Scheme rule 12 MCDR1988	11-SEP-13

## 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	G1- 96.12 ha, G2- 19.46 ha G3- 20.18 ha G4- Nil	G1- 96.12 ha, ha	G2-19.46 ha G3-20.18 G4- Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Balance reserve as on 01/04/2019 126.17 Million Tonnes	Balance reserve as on 01/04/2019 126.17 Million Tonnes	

1f	General remarks of inspecting officers on geology, exploration etc	No Exploration Proposed During year 2018-19.	No Exploration Proposed During year 2018-19.	No Exploration Proposed During year 2018-19.
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## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit developed towards south east direction of the lease from 860 mRL to 700 mRL by forming 10 mtrs benches.	Pit developed towards south east direction of the lease from 860 mRL to 700 mRL by forming 10 mtrs benches.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal incorporated	No proposal incorporated	
2c	Stripping ratio or ore to OB ratio	01:00.0	01:00.0	
2d	Quantity of topsoil generation in m3	Nil	Nil	No topsoil present in this mine.
2e	Quantity of overburden generation in m3	Nil	Nil	No over burden present in this mine.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	development of the pit as per proposal in the modified mining plan.	development of the pit as per proposal in the modified mining plan.	

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	

3b	Quantity of ROM mineral production proposed	2014-15 4.48 Million Tonne	2014-15 4.13 Million Tonne	Deviation of production is lower side.
		2015-16 4.49 Million Tonne	2015-16 4.08 Million Tonne	
		2016-17 4.49 Million Tonne	2016-17 3.81 Million Tonne	
		2017-18 4.49 Million Tonne	2017-18 4.20 Million Tonne	
		2018-19 4.49 Million Tonne	2018-19 4.01 Million Tonne	
		2017-18 4.49 Million Tonne		
		2018-19 4.49 Million Tonne		
3c	Recovery of sailable/usable mineral from ROM production	All ROM used for Captive Purpose.	All ROM used for Captive Purpose.	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	482925 Tonnes	378300 Tonnes	
3g	Grade of sub grade mineral generation	Mgo 5-13%	Mgo 5-13%	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	

3j	Provision of drilling and blasting in mineral benches	Yes, Adopting conventional method of drilling by drill M/C & blasting is done by using latest technology of Down the hole initiation system(NONEL).	Adopting conventional method of drilling by 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 L&T PC-1250 with bucket capacity 5 cum using for limestone loading operation and dumpers L&T komatus HD 465 55 tons used for transporation of limestone form mine to crusher.	Hydraulic excavators L&T PC-1250 with bucket capacity 5 cum using for limestone loading operation and dumpers L&T komatus HD 465 55 tons used for transporation of limestone form mine to crusher.	
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 proposed are 10m	
3m	Total area covered under excavation/pits	59.32 ha	58.31	
3n	Ore to OB ratio for the pit/mine during the year.	01:00.0	01:00.0	No over burden present in this mine.
3o	Total area put in use under different heads at the end of year	81.27 ha	81.27 ha	

3p	Production of ROM mineral during the last five year period as applicable	2014-15	4.48	2014-15	4.13 Million	deviation of production is lower side.
		Million Tonne		Tonne		
		2015-16	4.49	2015-16	4.08 Million	
		Million Tonne		Tonne		
		2016-17	4.49	2016-17	3.81 Million	
		Million Tonne		Tonne		
3q	General remarks of inspecting officers on method of mining etc.	2017-18	4.49	2017-18	4.20 Million	method of working is suitable as per proposal.
		Million Tonne		Tonne		
		2018-19	4.49	2018-19	4.01 Million	
		Million Tonne		Tonne		
		2018-19	4.49	Million Tonne		

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Applicable	Not Applicable	
4b	Location of topsoil, OB and mineral reject dumps	No topsoil, OB and mineral reject dumps present in this mine.	No topsoil, OB and mineral reject dumps present in this mine.	
4c	Number of dumps within lease area and outside of lease area	Not Applicable	Not Applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	Not Applicable	Not Applicable	
4f	Number of dead dumps.	Not Applicable	Not Applicable	
4g	Number of dumps established.	Not Applicable	Not Applicable	



4h	Whether Retaining wall or garland drain all along dumps are there.	Garland drains all along Sub grade Stock.	Garland drains all along Sub grade Stock.
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable
4j	Number of settling ponds	Not Applicable	Not Applicable
4k	Specific comments of inspecting officer on waste dump management	no top soil and over burden dumps present in this mine.no active over burden dump exist in the mine.	no top soil and over burden dumps present in this mine.no active over burden dump exist in the mine.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposals	No proposals	
5b	Area under backfilling of mined out area	No proposals	No proposals	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	No proposals	
5d	Total area fully reclaimed and rehabilitated	No proposals	No proposals	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No backfilling proposed during the year 2018-19.	No backfilling proposed during the year 2018-19.	No backfilling proposed during the year 2018-19.
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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).	PMCP Report not submitted.	PMCP Report not submitted.	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	1.25 ha	1.25 ha	
6d	No. of saplings planted during the year	3000	4345	
6e	Cumulative no .of plants	859723	859723	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	960000	500000	
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	Not Applicable Not Applicable	
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)	Air, water, Noise and ground vibration monitored.	Air, water, Noise and ground vibration monitored.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report of year 2018-19 is not submitted .Violation point out as per rule 26(2) of MCDR-17.	PMCP report of year 2018-19 is not submitted .Violation point out as per rule 26(2) of MCDR-17.	PMCP report of year 2018-19 is not submitted .Violation point out as per rule 26(2) of MCDR-17.
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### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM used for cement manufacturing.	Total ROM used for cement manufacturing.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	No proposals Incorporated	No proposals Incorporated	
7d	Any beneficiation process at mines	No proposals Incorporated	No proposals Incorporated	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Complete ROM is fed to cement plant. No issue of mineral conservation in this mine.	Complete ROM is fed to cement plant. No issue of mineral conservation in this mine.	Complete ROM is fed to cement plant. No issue of mineral conservation in this mine.

### Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil present in this mine.	No topsoil present in this mine.
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Given	Given
8g	Survival rate	70-80 %	70-80 %
8h	Water sprinkling on roads to control airborne dust	Water sprinkler use for dust suppression.	Water sprinkler use for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic environment is good except degradation of land.	Aesthetic environment is good except degradation of land.

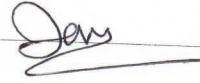
## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly and Annual Return Submitted.	All Monthly and Annual Return Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given, Mr. Pankaj nayan (Manager), Mr. Rijwan Jamil (Mining Engineer), Mr. L.S.K Prasad (Geologist)	Mr. Pankaj nayan (Manager), Mr. Rijwan Jamil (Mining Engineer), Mr. L.S.K Prasad (Geologist)	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given	Information given	
9d	Scrutiny of Annual return on afforestation	Information given	Information given	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information given	Information given	No minreral rejeect present in this mine
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Information given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information given	Information given	
9h	Scrutiny of Annual return on fixed assets	Information given	Information given	
9k	Scrutiny of Annual return on mining machineries	Information given	Information given	

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
MCDR17	Rule 26(2)	20-DEC-19	20-JAN-20		
MCDR17	Rule 33	20-DEC-19	20-JAN-20		

Date : 06.02.2020.



(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines