

**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 : 21/02/2017
- (v) Prev.inspection date : 28/09/2016

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 : 51
- (d) Date of Expiry : 31/03/2020
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 Bore hole drilling were proposed during SOM period i.e. 2013-14 to 2017-18	12 bore holes drilling completed (as on 25th Feb 2017)	
1b	Exploration over lease area for geological axis 1 or 2	12 Bore hole drilling were proposed during SOM period i.e. 2013-14 to 2017-18	12 bore holes drilling completed (as on 25th Feb 2017)	
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 4294049.5	
1d	Balance area to be explored to bring Geological axis in 1 or 2	12 Bore hole drilling were proposed during SOM period i.e. 2013-14 to 2017-18	12 bore holes drilling completed (as on 25th Feb 2017)	
1e	Balance reserve as on 01/04/20	Proved Reserve Limestone- 132.86 Million Ton (This is as per proposal given in SOM 2013-18 as on 01.04.2016)	Actual limestone Proved Reserve- 134.23 as on 01.04.2016	
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	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is going as per proposal given in approved Scheme of Mining.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 no.	1 no.	
3b	Quantity of ROM mineral production proposed	4.5 million ton	4.08 million ton	

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	Average Height of benches proposed are 10m .yes	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 2016-2017=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 Yr 2016-2017=3.18Million Tonne (Till January 2017)
3q	General remarks of inspecting officers on method of mining etc.	Opencast fully mechanised mining method proposed.	Same as per proposal.

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.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
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 proposals	NA	
5b	Area under backfilling of mined out area	No proposals	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	NA	
5d	Total area fully reclaimed and rehabilitated	No proposals	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
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Nil	Submitted.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
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	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	NA	
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	Proposals	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.	NA	NA	
7c	Different grade of mineral sorted out at mines.	No proposals	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.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation.	NA	
8b	Concurrent use or storage of topsoil	Nil	Nil	
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)	1000 Nos.	1200 Nos.	
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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto - Feb 2017 A.R. submitted upto - 2015-16	M.R. Submitted upto - Feb 2017 A.R. submitted upto - 2015-16	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	manger mines mining engineer	
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 generation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Nil Stcok.
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

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 23E(2)	03/03/2017	22/03/2017			

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines