

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-7

Mine code : 38HPR10018

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : S.B.CHATURBEDI, MINES MANAGER
Official with
Designation
- (iv) Date of Inspection : 11/01/2017
- (v) Prev.inspection date : 31/01/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANAL**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : MANAL
Taluka : PAONTA-SAHIB
Post office : RAJBAN
Pin Code : 173028
FAX No. : 01704266270
E-mail : minemanagercci@gmail.com
Phone : 017042666221
- (f) Police Station : rajban
- (g) First opening date : 01/08/1976
- (h) Weekly day of rest : SUN
2. Address for : M/S CEMENT CORPORATION OF INDIA LTD.
correspondance : RAJBAN CEMENT FACTORY
P.O.-RAJBAN, DISTRICT - SIRMOUR. (H.P.)
3. (a) Lease Number : HPR0014
(b) Lease area : 172.03
(c) Period of lease :
(d) Date of Expiry : 31/03/2020
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : CEMENT CORPN. OF INDIA LTD.
SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Owner : Shri Manoj Mishra, CMD
M/s Cement Corporation of
India Ltd Core-5, Scope
Complex, 7-Lodi Road New
Delhi SIRMUR HIMACHAL
PRADESH
Phone: 01124360015
FAX : 01124360464

Agent : Shri S.K.Sahu, General Manager
Rajban Cement
Plant, Village-Rajban, Post-
Sataun, Tehsil-Pounta Sahib,
Distt-Sirmour SIRMUR
HIMACHAL PRADESH
Phone: 01704266221
FAX : 01704266270

Mining Engineer

Name : ASHOK GUPTA, Full Time
Qualification : B.E. MINING
Appointment/ : 29/12/2009
Termination date

Manager

Name : S.B.CHATTURVEDI
Qualification : DIPLOMA IN MINING
Appointment/ : 01/01/2008 29/12/2009
Termination date

Manager

Name : Shri P.K.Sinha
Qualification : B.Sc.(mining engineering)
Appointment/ : 28/09/2010
Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	10/01/1991
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	24/06/1997
		Mining Scheme rule 12 MCDR1988	02/03/2000
		Mining Scheme rule 12 MCDR1988	25/06/2004
		Renewal under rule 22 MCR1960	25/06/2004
		Modif.of approved Mining Plan	12/01/2007
		Existing rule 11 MCDR1988	07/03/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal for exploration.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal for exploration.	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	The position of reserve in the approved mining plan (Approved on 07-03-2014) 111:243.66 Lac Tonnes, 221:255.30 Lac Tonnes	The position of reserve as on 01-04-2016 after depleting production up to 2015-16 from 111 category: 111:239.2516 Lac Tonnes, 221:255.30 Lac Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			No proposal of exploration was given in approved mining plan & actual work Nil.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Last year (2015-16) Mine development was proposed between grid N200 to N00 & E400 to E800 in Deposit 3.	Same Location as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	

2c	Stripping ratio or ore to OB ratio	1:0	1:0	
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 work is carried out in line of proposal given in approved mining plan.

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	350000 tonnes proposed for the last year 2015-16.	174360.727 tonnes production achieved during the last year 2015-16.	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal of mineral reject geneartion.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No mineral reject generation proposed.	No mineral reject generation proposed hence not applicable.	
3f	Quantity of sub grade mineral generation.	No proposal of sub grade mineral generation.	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	N/A	N/A	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No sub-grade mineral/reject hence not applicable.	No sub-grade mineral/reject hence not applicable.
3j	Provision of drilling and blasting in mineral benches	Adopting conventional method of drilling by down the hole drill machine of 115 mm size & Blasting.	As per proposal.
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	6m height	6m height
3m	Total area covered under excavation/pits	10.85 ha.	10.04 ha.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0
3o	Total area put in use under different heads at the end of year	At the end of plan period i.e. 31-03-2018 total area put in use 21.88 Hect under different heads out of which 5.5 hect. area has been considered as Fully Reclaimed & Rehabilitated.	Same as per proposal.

3p	Production of ROM mineral during the last five year period as applicable	Last five year proposed production: Yr- 2011-12 344525 tonnes Yr- 2012-13 343725 tonnes, Yr- 2013-14 350325 tonnes, Yr- 2014-15 350000 tonnes Yr 2015-16 350000 tonnes, Yr 2016-17 350000 tonnes,	Actual Production for the last five years: 2011-12: 200262.900 tonnes, 2012-13: 163287.900 tonnes, 2013-14: 104257.600 tonnes, 2014-15: 209606.900 tonnes, 2015-16; 174360.727 tonnes, 2016-17: 170344.160 tonnes,(Up to Dec 2016)
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3q	General remarks of inspecting officers on method of mining etc.	Production achieved has been within proposed limit.
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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)	No proposal of top soil generation,OB & mineral reject.	No proposal of top soil generation,OB & mineral reject hence not applicable.	
4b	Location of topsoil, OB and mineral reject dumps	No proposal of top soil generation,OB & mineral reject.	No proposal of top soil generation,OB & mineral reject hence not applicable.	
4c	Number of dumps within lease area and outside of lease area	No proposal of waste generation.	None.	
4e	Number of active and alive dumps.	Zero	Zero	
4f	Number of dead dumps.	1	1	

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.	No proposals	N/A	
5b	Area under backfilling of mined out area	No proposals	N/A	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation proposal during this plan period(2013-14 to 2017-18)	Not applicable.	
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).	Not submitted by the lessee for the last year 2015-16.	Not submitted by the lessee for the last year 2015-16 hence violation of Rule 23E(2) of MCDR 1988 has been issued to the lessee.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1.10 (2015-16)	1.31	
6d	No. of saplings planted during the year	2000	2500	
6f	Any other method of rehabilitation	No proposal	Not applicable.	
6g	Cost incurred on watch and care during the year	No proposal	Not applicable.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable.	

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	Total ROM is dispatched to captive cement plant.	Total ROM is dispatched to captive cement plant.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not required as all ROM has been supplied to captive cement plant.	Not required as all ROM has been supplied to captive cement plant.	
7c	Different grade of mineral sorted out at mines.	No proposals	N/A	
7d	Any beneficiation process at mines	No proposal	N/A	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Complete ROM is being feed to captive cement plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal.	Not applicable.	

8b	Concurrent use or storage of topsoil	No top soil generation proposed.	N/A	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal for generation of OB,Waste rock, rejects & fines.	Not applicable.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during this plan period.	N/A	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	During the last year 2015-16 total 2000 nos. plantation proposed.	Actual plantation during the last year 2015-16 was 2500.	
8g	Survival rate		79%	
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
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9a	Status of submission of Monthly and Annual returns	AR for the year 2015-16 submitted. Monthly return up to Nov 2016 submitted but Monthly return for the month of Dec 2016 has not been submitted by the lessee on time, hence violation of Rule 45(5)(a) issued to the lessee.	AR for the year 2015-16 submitted. Monthly return up to Nov 2016 submitted but Monthly return for the month of Dec 2016 has not been submitted by the lessee on time, hence violation of Rule 45(5)(a) issued to the lessee.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given.	Detail given.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Details given.
9d	Scrutiny of Annual return on afforestation	Given	Details given.
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	Detail Given.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Rs 190.26/t was cost of production
9h	Scrutiny of Annual return on fixed assets	Given	Given.
9k	Scrutiny of Annual return on mining machineries	Details given.	Detail 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
Rule 23E(2)	23/01/2017				
Rule 27(4)	23/01/2017				
Rule 45(5)(a)	23/01/2017				

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines