

**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 : 002) DAMODAR PRASAD SHARMA
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. P.K Sinha, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 30-NOV-22
- (v) Prev.inspection date : 20-DEC-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANAL**
- (b) **Registration NO.** : **IBM/875/2011**
- (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-AUG-76
- (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 : 172.3
- (c) Period of lease :
- (d) Date of Expiry : 03-AUG-23
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

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

Owner : Ms sarswati Devi
M/s CCI Ltd, Rajban Cement
Project, Post- Rajban,
Dist- sirmour, HP SIRMUR
HIMACHAL PRADESH
Phone: 01704-266221
FAX :

Agent : Sh. BVN Prasad
M/s CCI Ltd, Core-5, Scope
complex, SIRMUR HIMACHAL
PRADESH
Phone:
FAX :

Mining Engineer

Name : ASHOK GUPTA, Full Time
Qualification : B.E. MINING
Appointment/ : 29-DEC-09 28-SEP-10
Termination date

Mining Engineer

Name : KUMBHA RAM, Full Time
Qualification : BE MINING
Appointment/ : 10-OCT-16
Termination date

Manager

Name : S.K.Mohanty
Qualification : BE Mining
Appointment/ : 10-FEB-18
Termination date

Manager

Name : Shri P.K.Sinha
Qualification : B.Sc.(mining engineering)
Appointment/ : 28-SEP-10 23-DEC-14
Termination date

Manager

Name : S.B.CHATTURVEDI
Qualification : DIPLOMA IN MINING
Appointment/ : 01-JAN-08
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Existing rule 11 MCDR1988 10-JAN-91
Mining Scheme rule 12 MCDR1988 24-JUN-97
Mining Scheme rule 12 MCDR1988 02-MAR-00
Mining Scheme rule 12 MCDR1988 25-JUN-04
Renewal under rule 22 MCR1960 25-JUN-04

Modif.of approved Mining Plan
Existing rule 11 MCDR1988

12-JAN-07
07-MAR-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals incorporated	No proposals incorporated	
1b	Exploration over lease area for geological axis 1 or 2	13 boreholes was proposed during the year 2021-22.	07 boreholes was carried out during the year 2021-22	07 boreholes was carried out during the year 2021-22
1c	Exploration Agencies and Expenditure in lakh rupees during the year	5 lack	5 lack	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1 28.019 ha, G2 7.9464 ha, G3 12.6593 and G4 1.6343	G1 28.019 ha, G2 7.9464 ha, G3 12.6593 and G4 1.6343	
1e	Balance reserve as on 01/04/20	Under 111 25.102 Million Tonnes	Under 111 25.102 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Total lease area of 172.30 ha, out of this area 55 ha forest land diverted for mining purpose due to this lease not complete exploration work land in forest land.	Total lease area of 172.30 ha, out of this area 55 ha forest land diverted for mining purpose due to this lease not complete exploration work land in forest land.	Total lease area of 172.30 ha, out of this area 55 ha forest land diverted for mining purpose due to this lease not complete exploration work land in forest land.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	One pit is proposed to be developed at 790 MRL to 784 MRL. As per proposal envisaged in the approved mining plan, mining shall be carried out in single pit with a bench height of 6m each.	development was carried out within proposed area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporated	Not Applicable	Almost all earlier excavation were found under mineralization.
2c	Stripping ratio or ore to OB ratio	1:00.00	1:00.00	
2d	Quantity of topsoil generation in m3	Not Applicable	Not Applicable	
2e	Quantity of overburden generation in m3	No proposals incorporated	No overburden generated during the year.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per proposal mining shall be carried out at 790 MRL to 784 MRL by formation of benches of six meters height. Northing 33837000N to 3384000 N, Easting 749700 E to 750300 E.	As per proposal mining shall be carried out at 790 MRL to 784 MRL by formation of benches of six meters height. Northing 33837000N to 3384000 N, Easting 749700 E to 750300 E.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	1	1
3b	Quantity of ROM mineral production proposed	349848 Tonnes	214919 Tonnes
3c	Recovery of sailable/usable mineral from ROM production	All ROM used for cement manufacturing purpose.	All ROM used for cement manufacturing purpose.
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposals incorporated	No Proposals incorporated
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation was proposed	No beneficiation study was carried out
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling (102 mm dia)and blasting provision used in the mine..	Deep hole drilling (102 mm dia)and blasting provision used in the mine..

3k	Provision of mining machineries in mineral benches	One Hydraulic Excavator with 5 Nos tippers for loading and transportation of limestone ROM up to CSP.	One Hydraulic Excavator with 5 Nos tippers for loading and transportation of limestone ROM up to CSP.		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Benches height maintained as proposals.		
3m	Total area covered under excavation/pits	14.65 ha	14.21 ha		
3n	Ore to OB ratio for the pit/mine during the year.	1:00	1:00		No overburden generated during year 2021-22.
3o	Total area put in use under different heads at the end of year	16.99 ha	15.58 ha		
3p	Production of ROM mineral during the last five year period as applicable	2017-18 349220 Tonnes 2018-19 349220 Tonnes 2019-20 349370 Tonnes 2020-21 349989 Tonnes 2021-22 349848 Tonnes	2017-18 174624.25 Tonnes 2018-19 176559.39 Tonnes 2019-20 197110.375 Tonnes 2020-21 38000.545 Tonnes 2021-22 214919 Tonnes		No excess production observed.
3q	General remarks of inspecting officers on method of mining etc.	More or less mine excavating was carried out as per proposals.	More or less mine excavatin was carried out as per proposals.		

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals incorporated in approved mining plan.	No overburden, and mineral rejects generated during year 2021-22.	
4b	Location of topsoil, OB and mineral reject dumps	No proposals incorporated	Not Applicable	
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)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	none	none	
4h	Whether Retaining wall or garland drain all along dumps are there.	no proposal incorporated	Not Applicable	
4j	Number of settling ponds	none	none	
4k	Specific comments of inspecting officer on waste dump management	No waste dumping proposals incorporated in mine and no waste generated during the year.	No waste dumping proposals incorporated in mine and no waste generated during the year.	No waste dumping proposals incorporated in mine and no waste generated during the year.

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 incorporated in approved mining plan.	No proposals incorporated in approved mining plan.
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	no topsoil generated during year.	no topsoil generated during year.
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet to not matured for reclamation.	Area yet to not matured for reclamation.

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	PMCP Reported	PMCP Reported	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	0.15	0	Planation was not carried out, violation letter issued to lessee as per rule 11(1) of MCDR-2017.
6d	No. of saplings planted during the year	1000	0	

6e	Cumulative no .of plants	2250	2250
6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	10000	10000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	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)	Monitored	Monitored

6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. PMCP proposals not implemented in mine. PMCP proposals not implemented in mine.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM used for cement manufacturing purpose.	All ROM used for cement manufacturing purpose.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals incorporated	No proposals incorporated	
7c	Different grade of mineral sorted out at mines.	Not Applicable	All ROM used for cement manufacturing purpose.	All ROM used for cement manufacturing purpose.
7d	Any beneficiation process at mines .	No proposals incorporated	No beneficiation study was carried out in mine.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	As such no adverse issues observed with regard to mineral conservation at this mine.All ROM used for captive purpose manufacturing of Cement.	As such no adverse issues observed with regard to mineral conservation at this mine.All ROM used for captive purpose manufacturing of Cement.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No proposals incorporated	No proposals incorporated
8b	Concurrent use or storage of topsoil	Not Applicable,	Not Applicable,
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals incorporated	No proposals incorporated
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals incorporated	No proposals incorporated
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals incorporated	No proposals incorporated
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline study done	Baseline study done
8g	Survival rate	80%	60%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust suppression.	Water sprinkling on haul road for dust suppression.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is on slope of hill. Except excavation, rest of area is green and moderate.	Area is on slope of hill. Except excavation, rest of area is green and moderate.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Enginner and Geologist appointed in the mine.	Mining Enginner and Geologist appointed in the mine.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information is given.	Information is given.	
9d	Scrutiny of Annual return on afforestation	Information is given.	Information is given.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information is given.	Information is given.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information is given.	Information is given.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return Scrutinized for Ex-mine price and cost of Production.	Ex mine price and cost of production found within range.
9h	Scrutiny of Annual return on fixed assets	Information is given.	Information is given.
9k	Scrutiny of Annual return on mining machineries	Information is given.	Information is 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
MCDR17	Rule 11(1)	30-JAN-23			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines