

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/MANDI/LST-1

Mine code : 38HPR08001

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **SHRI CHANDRAKANT DHANDALE, HOD(MINES)**
Official with
Designation
- (iv) Date of Inspection : 22/02/2017
- (v) Prev.inspection date : 29/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KERAN(SUNDER NAGAR)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : MANDI
Village : KERAN
Taluka : SUNDEMAGAR
Post office : SUNDEMAGAR
Pin Code : 175019
FAX No. :
E-mail :
Phone : 01907-267131
- (f) Police Station :
- (g) First opening date : 04/09/2010
- (h) Weekly day of rest :
2. Address for : HARISH CEMENT LTD
correspondance : GROUND FLOOR, JAGJIT COMPLEX, SUNDER NAGAR
MANDI
3. (a) Lease Number : HPR0090
(b) Lease area : 725.86
(c) Period of lease : 50
(d) Date of Expiry : 14/01/2057
4. Mineral worked :

5. Name and Address of the

Lessee : HARISH CEMENT LIMITED
K.C. GULARIA'S HOUSE OPP.
CHINAR HOTEL, NH-21 SUNDER
NAGAR, MANDI MANDI HIMACHAL
PRADESH
Phone:
FAX :

Owner : RAJIV KUMAR SAXENA
JAGJIT COMPLEX, NEAR NARESH
CHOWK, SUNDER NAGAR MANDI
HIMACHAL PRADESH
Phone: 01907-264667
FAX :

Agent : MHAMMAD RAZA KHAN
JAGJIT COMPLEX, NEAR NARESH
CHOWK, SUNDER NAGAR MANDI
HIMACHAL PRADESH
Phone: 01907-264665
FAX : 01907-264665

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 24/07/2013
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--------------|-------------|---|
| 1a | Backlog of previous year | NIL | NIL | All activities related to mining have been suspended W.r.t. directions from District Mining Officer, Mandi (HP) vide letter No. MO/MDI/Harish Cement Lmt./08 Endst. No. 1472 dated 15.02.2011 in view of the judgment of the Hon'ble High Court of Himachal Pradesh, dated 13.12.2010. Presently the matter is pending for adjudication vide Civil Appeals No. 1636-1641 of 2013 in the Hon'ble Supreme Court of India. |
| 1b | Exploration over lease area for geological axis 1 or 2 | 10 boreholes | NIL | All activities related to mining have been suspended W.r.t. directions from District Mining Officer, Mandi (HP) vide letter No. MO/MDI/Harish Cement Lmt./08 Endst. No. 1472 dated 15.02.2011 in view of the judgment of the Hon'ble High Court of Himachal Pradesh, dated 13.12.2010. Presently the matter is pending for adjudication vide Civil Appeals No. 1636-1641 of 2013 in the Hon'ble Supreme Court of India. |

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|----|---|---|---|---|
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | M/s ERCOM Engineers Pvt. Ltd. Proposed expenditure 15 Lakhs | NIL | All activities related to mining have been suspended W.r.t. directions from District Mining Officer, Mandi (HP) vide letter No. MO/MDI/Harish Cement Lmt./08 Endst. No. 1472 dated 15.02.2011 in view of the judgment of the Hon'ble High Court of Himachal Pradesh, dated 13.12.2010. Presently the matter is pending for adjudication vide Civil Appeals No. 1636-1641 of 2013 in the Hon'ble Supreme Court of India. |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | 80 Ha | NIL | |
| 1e | Balance reserve as on 01/04/20 | Balance reserves as on 01.04.2016 Proved Reserve - 165.30 Million Tons Probable Reserves - 167.18 Million Tons Mineral Resources - 92.00 Million Tons Total - 424.48 Million Tons | Balance reserves as on 01.04.2016 Proved Reserve - 165.30 Million Tons Probable Reserves - 167.18 Million Tons Mineral Resources - 92.00 Million Tons Total - 424.48 Million Tons | |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | No exploration work is carried out due to legal interventions. |

Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|-------------|--|
| 2a | Location of development w.r.t.lease area | 1. Development of Haulage Roads. Length 3581 m. 2. Mine development in North Block. RL >1300 m to 1300 m 3. Mine development in Central Block. RL > 1460 m to 1460 m | NIL | Mine Working Started on date 04.09.2010 has been temporarily discontinued from 02.05.2011. Development work will be reinstated after judgement/ directions from the Hon'ble Supreme Court of India in the CA 1636-1641 of 2013 pending for final disposal. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | NIL | NIL | Mine Working Started on date 04.09.2010 has been temporarily discontinued from 02.05.2011. Development work will be reinstated after judgement/ directions from the Hon'ble Supreme Court of India in the CA 1636-1641 of 2013 pending for final disposal. |
| 2c | Stripping ratio or ore to OB ratio | 1:0.0072 | NIL | |
| 2d | Quantity of topsoil generation in m3 | NIL | NIL | |
| 2e | Quantity of overburden generation in m3 | 228676 m3 | NIL | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | No development work is carried out due to legal intervention. Mine is in non working condition. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|--|-----|--|
| 3a | Number of pit proposed for production | 02 Pits. North Block-01No. & Central Block-01No. | NIL | No any kind of activity related to mineral production started till date. Mine Working Started on date 04.09.2010 has been temporarily discontinued from 02.05.2011. Limestone production will be started after judgement/ directions from the Hon'ble Supreme Court of India in the CA 1636-1641 of 2013 pending for final disposal. |
| 3b | Quantity of ROM mineral production proposed | 2.00 million Tons | NIL | |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% | NIL | |
| 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 | |

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|----|--|--|-----|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | NIL | NIL |
| 3j | Provision of drilling and blasting in mineral benches | Conventional method of drilling with 150 mm DTH drill machines and controlled blasting. | NIL |
| 3k | Provision of mining machineries in mineral benches | DTH drills (150mm dia) - 3 No. Hydraulic Excavators 4.0m ³ capacity - 4 No. Dumpers 35T capacity - 11 No. | NIL |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NA | NA |
| 3m | Total area covered under excavation/pits | 12.85 Ha. | NIL |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.0072 | NIL |
| 3o | Total area put in use under different heads at the end of year | Pit- 12.85 Ha. Waste/reject - NIL Others- NIL | NIL |
| 3p | Production of ROM mineral during the last five year period as applicable | Yr- 2011-12 - NIL Yr- 2012-13 - NIL Yr- 2013-14 - NIL Yr- 2014-15 - 1.0 Million Tons Yr 2015-16 - 2.0 Million Tons | NIL |

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| 3q | General remarks of inspecting officers on method of mining etc. | No limestone production started in mines till date. Presently mine is in non working condition. |
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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) | Top soil and OB separate dumping proposed. | NIL | |
| 4b | Location of topsoil, OB and mineral reject dumps | North block- OB DUMP-1 - 4.06 Ha. | NIL | |
| 4c | Number of dumps within lease area and outside of lease area | 01 No. Within ML Area | NIL | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | N2240 to N2420 E0150 to E0400 (On non mineralised zone) | NIL | |
| 4e | Number of active and alive dumps. | 01 | NIL | |
| 4f | Number of dead dumps. | NIL | NIL | |
| 4g | Number of dumps established. | NIL | NIL | |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Garland drain all along dumps. | NIL | |
| 4i | Length of Retaining wall or garland drain all along dumps | NIL | NIL | |
| 4j | Number of settling ponds | NIL | NIL | |
| 4k | Specific comments of inspecting officer on waste dump management | | | No waste dump handling carried out till date. |

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. | NIL | NIL | |
| 5b | Area under backfilling of mined out area | NIL | NIL | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | NIL | NIL | |
| 5d | Total area fully reclaimed and rehabilitated | NIL | NIL | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | No mining activity carried out till date. |

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). | 2.0 Ha | 0.25 Ha | |
| 6d | No. of saplings planted during the year | 4000 | 500 | |
| 6e | Cumulative no .of plants | | 10000 | |

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|----|---|------------|------------|--|
| 6f | Any other method of rehabilitation | NIL | NIL | |
| 6g | Cost incurred on watch and care during the year | 1.10 Lakhs | 0.50 Lakhs | |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | NIL | NIL | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | NIL | NIL | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | Afforestation done within the 100m wide zone from ML boundary, at village Trambari and Bari, in the private land purchased by company. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|-------------|---|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Blending of ROM is proposed. North block (60%) & Central Block (40%) | NIL | Mineral conservation shall be done by blending of ROM i.e. High grade from North Block (60%) & marginal grade from South block (40%). |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | NIL | NIL | |
| 7c | Different grade of mineral sorted out at mines. | NIL | NIL | |
| 7d | Any beneficiation process at mines | NIL | NIL | |

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| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | No mineral production started in mines. |
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Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|-------------|---|
| 8a | Separate removal and utilization of topsoil (Rule 32) | The top soil cover wherever encountered will be removed separately and utilized for plantation and horticultural work in and around the mining lease area as well as plant premises. | NIL | No any change in the environmental conditions and land use took place due to mining operations as mine is in non working condition. Only afforestation in the greenbelt area was done by planting 10000 saplings till date. |
| 8b | Concurrent use or storage of topsoil | The soil would be temporarily stacked in the lease area prior to its utilization for plantation. | NIL | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | N2240 to N2420 E0150 to E0400 (On non mineralised zone). Area - 4.06 Ha. | NIL | |

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|----|---|---|---------------------------|--|
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Waste dump will be stabilized through terracing making toe bund and retaining walls and vegetation development over top of terraces & slopes to minimize erosion. | 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) | 4000 saplings Within ML area | 500 Nos Within ML area | |
| 8g | Survival rate | 80% | 80% | |
| 8h | Water sprinkling on roads to control airborne dust | Yes | NIL | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | No adverse thing in this regard is observed. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-----------|--|---------|
| 9a | Status of submission of Monthly and Annual returns | | Monthly Returns Submitted upto - January, 2017 Annual Returns submitted upto Year 2015-16 | |

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|----|---|-------|-----------------------|--|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Given | OK | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Given | NIL | |
| 9d | Scrutiny of Annual return on afforestation | Given | 10000 Nos. On 6.0 Ha. | Less area covered under afforestation due to land constraints and legal interventions. Mine is in non working condition. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Given | NIL | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Given | NIL | |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Given | NIL | |
| 9h | Scrutiny of Annual return on fixed assets | Given | NIL | |
| 9k | Scrutiny of Annual return on mining machineries | Given | NIL | |

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 |

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines