

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-28

Mine code : 38HPR10052

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **PARVESH CHAUHAN, PARTNER**
Official with
Designation
- (iv) Date of Inspection : 20/01/2017
- (v) Prev.inspection date : 12/03/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARWAS (8.91 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : BARWAS
Taluka : PAONTA SAHIB
Post office : KAMROO
Pin Code : 173029
FAX No. : NONE
E-mail : NONE
Phone : (01704) 262635
- (f) Police Station : PAONTA SAHIB
- (g) First opening date : 15/09/1985
- (h) Weekly day of rest : SUN
2. Address for : M/S BARWAS MINES
correspondance : VILLAGE & PO - KAMRAO
DISTRICT - SIRMOUR (H.P)
3. (a) Lease Number : HPR0013
- (b) Lease area : 7.36
- (c) Period of lease : 50
- (d) Date of Expiry : 21/04/2035
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : BARWAS MINES
 VILL & PO - KAMROO PAONTA
 SAHIB SIRMOUR SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

Owner : KARAN SINGH
 VILL - BARBAS, PO-KAMRAO
 TEHSIL - PAONTA SAHIB
 SIRMOUR SIRMUR HIMACHAL
 PRADESH
 Phone:
 FAX :

Mining Engineer

Name : SUNIL KUMAR KESHRI, Full Time
 Qualification : DIPLOMA IN MINING
 Appointment/ : 01/03/2005
 Termination date

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|-------------------------------|---|--------------------------------|------------|
| 6. Date of approval of Mining | : | Existing rule 11 MCDR1988 | 30/11/1990 |
| Plan/Scheme of Mining | | Mining Scheme rule 12 MCDR1988 | 06/01/1998 |
| | | Mining Scheme rule 12 MCDR1988 | 01/05/2003 |
| | | Renewal under rule 22 MCR1960 | 11/08/2006 |
| | | Renewal under rule 22 MCR1960 | 17/07/2014 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|---|---------|
| 1a | Backlog of previous year | No proposal in the last year. | Nil | |
| 1b | Exploration over lease area for geological axis 1 or 2 | During the last year no proposal of exploration. | N/A | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | During the last year no proposal of exploration. | N/A | |
| 1e | Balance reserve as on 01/04/20 | As per Mining Plan(Approved on 17-07-2014) the position of reserve given are as follows: 111: 4819638 tonnes, 122: 627030 tonnes, | The position of reserve as on 01-04-2016 will be same as per approved Mining Plan as mining operation are restart recently 111: 4819638 tonnes, 122: 627030 tonnes, | |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|---|--|
| 2a | Location of development w.r.t.lease area | In the last year (2015-16) development was proposed in North East & North Western part of Block A of the lease area. | No development has been carried out during the last year 2015-16 as Mine was not working for last three year. | Mine was not working for last three year & mining operation were suspended under rule 13(2) of MCDR 1988 & recently suspension of mines was revoked. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Yes proposal was given in approved mining plan. | No development has been carried out during the last year 2015-16 as Mine was not working for last three year. | |
| 2c | Stripping ratio or ore to OB ratio | 1:0.002 | Nil for last year as mine was not working. | |
| 2d | Quantity of topsoil generation in m3 | Nil | Nil | |

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|----|---|-----------|--|---|
| 2e | Quantity of overburden generation in m3 | 67 tonnes | Nil as mine was not working for the last year. | |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | | | No development has been carried out during the last year as mine was not working. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|--------------------------------|---------|
| 3a | Number of pit proposed for production | Two pit | Two old pit were observed. | |
| 3b | Quantity of ROM mineral production proposed | During the year 2015-16 total 60,000T Limestone production was proposed. | Nil as mine was not working. | |
| 3c | Recovery of sailable/usable mineral from ROM production | 100% | Nil as mine was not working. | |
| 3d | Quantity of mineral reject generation | During the year 2015-16 total 67 Tonne of OB generation was proposed. | Nil as mine was not working. | |
| 3e | Grade of mineral rejects generation and threshold value declared. | No proposal given. | N/A | |
| 3f | Quantity of sub grade mineral generation. | No proposal of sub grade mineral generation. | Not applicable. | |
| 3g | Grade of sub grade mineral generation | No proposal of sub grade mineral generation. | Not applicable. | |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Manual | None, as mine was not working. | |

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|----|--|---|--|--|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposal | Not applicable. | |
| 3j | Provision of drilling and blasting in mineral benches | Jack hammer drilling & blasting. | None as mine was not working during the last year. | |
| 3k | Provision of mining machineries in mineral benches | Manual loading into 10T capacity dumpers. | None as mine was not working during the last year. | |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes | Mine was not working during the last year. | |
| 3m | Total area covered under excavation/pits | As per approved mining plan 1.25 Hect area will be covered under mining at the end of mining plan period i.e. (2018-19). | Approximately 1 Ha area has been covered under mining. | |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.002 | Nil for last year as mine was not working. | |
| 3o | Total area put in use under different heads at the end of year | As per approved mining plan at the end of plan period(2018-19) 1.25 Hect area will be covered under mining, 0.224 Hect area under roads & 0.065 under infrastructure. | Approximately 1 Ha area has been covered under mining. | |
| 3p | Production of ROM mineral during the last five year period as applicable | 2014-15: 60243 T, 2015-16: 60040 T, | 2014-15: Nil 2015-16: Nil | Actual production was nil as mine was not working for the last three year. |

3q General remarks of inspecting officers on method of mining etc. Opencast Opencast.

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Yes | Nil as mine was not working for the last year. | |
| 4b | Location of topsoil, OB and mineral reject dumps | Temporarily stacked near working pit & subsequently used for plantaion. | None as mine was not working during the last year. | |
| 4c | Number of dumps within lease area and outside of lease area | No proposal | N/A | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No proposal | N/A | |
| 4e | Number of active and alive dumps. | Nil | N/A | |
| 4f | Number of dead dumps. | One small dump. | | |
| 4g | Number of dumps established. | None | N/A | |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No proposal | N/A | |
| 4i | Length of Retaining wall or garland drain all along dumps | No proposal | Not applicable. | |
| 4j | Number of settling ponds | No proposal | N/A | |

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 proposal during the last year. | None. | |
| 5b | Area under backfilling of mined out area | No proposal during the last year. | Nil | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | For plantation. | None as mine was not working during the last year. | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | Area is not matured for back filling. |

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). | Yes submitted. | Yes submitted. | |
| 6c | afforestation done (ha). | .02 hect | Nil | Mine was not working during the last year. |
| 6d | No. of saplings planted during the year | 20 | Nil | Mine was not working during the last year. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|--|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | All ROM shall be dispatched to market. | None as mine was not working during the last year. | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Manual | Nil | |

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|----|--|-----|-----|--|
| 7d | Any beneficiation process at mines | Nil | N/A | |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | No specific issue related to mineral conservation. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---|--|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | Yes proposed. | None as mine was not working during the last year 2015-16. | |
| 8b | Concurrent use or storage of topsoil | Plantation. | None as mine was not working during the last year 2015-16. | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Yes | None as mine was not working during the last year 2015-16. | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | During the year 20 Nos. of plantation was proposed. | None as mine was not working during the last year 2015-16. | |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--|---------|
| 9a | Status of submission of Monthly and Annual returns | Party has not submitted annual return 2015-16 & monthly return Dec 2016. | Party has not submitted annual return 2015-16 & monthly return Dec 2016 hence violation of rule 45(5)(a) & 45(5)(b) of MCDR 1988 issued to the lessee. | |

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| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | AR for the year 2015-16 has not been submitted by the lessee hence not scrutinized. | AR for the year 2015-16 has not been submitted by the lessee hence not scrutinized. | Violation of Rule 45(5)(b) of MCDR 1988 issued to the lessee. |
|----|---|---|---|---|

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 13(1) | 23/01/2017 | 23/03/2017 | | | |
| Rule 23E(2) | 23/01/2017 | 23/03/2017 | | | |
| Rule 45(5)(a) | 23/01/2017 | 23/03/2017 | | | |
| Rule 45(5)(b) | 23/01/2017 | 23/03/2017 | | | |

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines