

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-27

Mine code : 38HPR10029

- (i) Name of the Inspecting : 004) Mukesh Kumar Sharma
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 08-NOV-21
- (v) Prev.inspection date : 13-MAR-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BHIMGODA
- (b) **Registration NO.** : IBM/7858/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BAGANDHAR
- Taluka : KAMRAOO
- Post office : KAMRAOO
- Pin Code : 173029
- FAX No. : N.A
- E-mail : N.A
- Phone : (01704)-62519,62521; 71219
- (f) **Police Station** : PAONTA SAHIB
- (g) **First opening date** : 01-JAN-85
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S SOHAN SINGH MEET SINGH
VPO - KAMRAU
DISTRICT - SIRMOUR (H.P.)
3. (a) **Lease Number** : HPR0032
- (b) **Lease area** : 3.32
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 16-APR-34
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : Sohan Singh Meet Singh
 VPO- Kamrao Distt.-Sirmaur
 (H.P.) SIRMUR HIMACHAL
 PRADESH
 Phone:
 FAX :

Owner : Sohan Singh
 Sohan Singh VPO-Kamrao
 Distt.-Sirmaur SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

| | | | |
|-------------------------------|---|--------------------------------|-----------|
| 6. Date of approval of Mining | : | Existing rule 11 MCDR1988 | 19-SEP-91 |
| Plan/Scheme of Mining | | Mining Scheme rule 12 MCDR1988 | 29-JAN-98 |
| | | Mining Scheme rule 12 MCDR1988 | 21-APR-03 |
| | | Renewal under rule 22 MCR1960 | 23-MAR-09 |
| | | Mining Scheme rule 12 MCDR1988 | 11-DEC-13 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|--|---------|
| 1a | Backlog of previous year | 04 Bore Holes | Exploration was not carried out up to the year 2020-21 | |
| 1b | Exploration over lease area for geological axis 1 or 2 | No Proposal was proposed during 2020-21 | No exploration was carried out during the year 2020-21 | |
| 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 | As per proposal there is no balanced area to be covered | As per proposal there is no balanced area to be covered | |
| 1e | Balance reserve as on 01/04/20 | Under 111 Reserves 1011846 Tonnes | Under 111 Reserves 895855.4 Tonnes. (production up to 2020-21- 105990.6 tonnes) was obtained) | |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|--|--|---|
| 2a | Location of development w.r.t. lease area | As per proposal, mining shall be carried out from North West direction by formation of benches as 1980mRl to 1962mRl | Development work has been carried out at proposed place but height of the benches has observed more than proposal. | Violation is pointed out to lessee as per rule 11(1) of MCDR 2017 |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | Minerals benches proposed | Only Mineral benches developed | |
| 2c | Stripping ratio or ore to OB ratio | 1:00.00 | As per proposal | |
| 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 was carried out at earmarked place but heights of benches observed more than proposed height. Violation point out to lessee as per rule of 11(1) of MCDR 2017. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|--|---------|
| 3a | Number of pit proposed for production | As per proposal only one pits were proposed for production | As per proposal | |
| 3b | Quantity of ROM mineral production proposed | ROM proposed during 2020-21 is 94691 | 71505.600 Tonnes | |
| 3c | Recovery of sailable/usable mineral from ROM production | 90% recovery Proposed | 10% mineral reject generated, 90% ROM Sellable in market. | |
| 3d | Quantity of mineral reject generation | 105212 tonne | 1150 (Small Quantity Mineral reject generated during year 2020-21) | |
| 3e | Grade of mineral rejects generation and threshold value declared. | CAO 35 to 38% and MGO more than 4.5% | CAO 35 to 38% and MGO more than 4.5% | |
| 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 are incorporated | segregating was not carried out in the mine | |

| | | | |
|----|--|--|--|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | Not Applicable | Not Applicable |
| 3j | Provision of drilling and blasting in mineral benches | Yes, Drilling operation proposed by Jack hammer machine hole dia 32mm depth 1.5 metre. Blasting operation was proposed by safety fuse and ordinary detonator. | Yes, Drilling operation is carried out by using Jack hammer machine. hole dia is found 33mm and depth is 1.5 metre. Blasting operation is carried out as per proposal. |
| 3k | Provision of mining machineries in mineral benches | Hydraulic excavation L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Trucks 9 tonnes used for transportation of limestone from mine to stock yard. | Deployed as per proposal |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Yes, Average Height of benches proposed are 6 m, | Bench height observed more than 6 mtr. Violation point out to lessee. |
| 3m | Total area covered under excavation/pits | 2.12 ha | Within the limit of proposal |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:00.00 | 1:00.00 |
| 3o | Total area put in use under different heads at the end of year | 2.87 ha | Within the limit of proposal |

| | | | | |
|----|--|---|---|---|
| 3p | Production of ROM mineral during the last five year period as applicable | 2016-17-112990 Tonnes 2017-18-105210 Tonnes 2018-19-105210 Tonnes 2019-20-94689 Tonnes 2020-21-94691 Tonnes | 2016-17-49923 Tonnes 2017-18-102864.50 Tonnes 2018-19- 0 Tonnes 2019-20-34485 Tonnes 2020-21-71505.6 Tonnes | |
| 3q | General remarks of inspecting officers on method of mining etc. | | | Mining operation was carried out as per proposed place in approved modified mining plan but height of benches observed more than proposal. Violation point out to lessee as per rule 11(1) of MCDR 2017 |

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 incorporated for separated dumping of overburden. | 1150 Tonnes | |
| 4b | Location of topsoil, OB and mineral reject dumps | Not Applicable | Not Applicable | |
| 4c | Number of dumps within lease area and outside of lease area | Not Applicable | Not Applicable | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Not Applicable | Not Applicable | |
| 4e | Number of active and alive dumps. | Not Applicable | Not Applicable | |
| 4f | Number of dead dumps. | 1 | 1 | |
| 4g | Number of dumps established. | Not Applicable | Not Applicable | |

| | | | | |
|----|--|----------------|----------------|--|
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Not Applicable | Not Applicable | |
| 4i | Length of Retaining wall or garland drain all along dumps | Not Applicable | Not Applicable | |
| 4j | Number of settling ponds | None | None | |
| 4k | Specific comments of inspecting officer on waste dump management | | | No proposal incorporated for separated dumping of overburden. Small quantity of minerals reject generated which stacked separately of SE of lease boundary line. |

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 for backfilling in year 2020-21 | Area yet to matured for reclamation. | |
| 5b | Area under backfilling of mined out area | Proposals not incorporated | Not Applicable | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No proposals are incorporated | No top soil present in this mine. | |
| 5d | Total area fully reclaimed and rehabilitated | Not Applicable | Not Applicable | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | Area yet 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). | Proposal was proposed during 2020-21 | Submitted | |
| 6b | Area available for rehabilitation (ha) . | 0.02 ha | 0.02 ha | |
| 6c | afforestation done (ha). | 0.02 | 0.02 | |
| 6d | No. of saplings planted during the year | 100 Plants | 100 Plants | |
| 6e | Cumulative no .of plants | 300 Plants | 300 Plants | |
| 6g | Cost incurred on watch and care during the year | 5000 | 5000 | |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | Not Applicable | Not Applicable | |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | Not Applicable | Not Applicable | |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | Not Applicable | Not Applicable | |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | 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 | |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Not Applicable | Not Applicable | |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | | | PMCP report under 26(2) of MCDR-2017 has been submitted |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------------------------------|-----------------------------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Grade-wise sorting not applicable | Grade-wise sorting not applicable | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Not Applicable | Not Applicable | |
| 7c | Different grade of mineral sorted out at mines. | Not Applicable | Not Applicable | |
| 7d | Any beneficiation process at mines | Not Applicable | Not Applicable | |

| | | |
|----|--|--|
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | There is no problem of mineral Conservation at this Mine |
|----|--|--|

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---------------------------|---|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposal incorporated | No top soil generated during year 20-21 | |
| 8b | Concurrent use or storage of topsoil | Not Applicable | Not Applicable | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Not Applicable | Not Applicable | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | Not Applicable | Not Applicable | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No. proposal incorporated | No. proposal incorporated | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | Baseline study done | Baseline study done | |
| 8g | Survival rate | 60 to 70% | It is found as per proposal | |

| | | | | |
|----|--|--|--|--|
| 8h | Water sprinkling on roads to control airborne dust | Water Sprinkling on haul road for dust suppression in mine | Water Sprinkling on haul road for dust suppression in mine | |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | Aesthetic beauty is maintained except degradation of land. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|---|---------|
| 9a | Status of submission of Monthly and Annual returns | Proposal Given | All Monthly and Annual Return Submitted. | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Manager: Mr. Som Prakash Tomar | Geologist not appointed. Violation point out to lessee as per rule of 55 of MCDR-2017 | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Information given | Information given | |
| 9d | Scrutiny of Annual return on afforestation | Information given | Information given | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Information given | Information given | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Information given | Information 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. | Cost of production within limit. | |
| 9h | Scrutiny of Annual return on fixed assets | Information is given | Information is given | |

9k Scrutiny of Information is Information is given
Annual return on given
mining
machineries

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) | 21-DEC-21 | | | |
| MCDR17 | Rule 26(2) | 21-DEC-21 | | | |
| MCDR17 | Rule 35(2) | 21-DEC-21 | | | |
| MCDR17 | Rule 55(1)(1) | 21-DEC-21 | | | |

Date :

(Mukesh Kumar Sharma)

Indian Bureau of Mines