

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

Mine file No : HP/SRM/LST- 50

Mine code : 38HPR10079

- (i) Name of the Inspecting : 002 ) DAMODAR PRASAD SHARMA  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. Kedarswar Mishra, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 24-JAN-20
- (v) Prev.inspection date : 01-DEC-18

**PART-I : GENERAL INFORMATION**

1. (a) Mine Name : BHAWANI
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : HIMACHAL PRADESH  
District : SIRMUR  
Village : KAMROO  
Taluka : PAONTA SAHIB  
Post office :  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (f) Police Station :
- (g) First opening date : 01-APR-03
- (h) Weekly day of rest : SUN
2. Address for : V. & P.O. - KAMRAO,  
correspondance : TEH.- PAONTA SAHIB,  
DISTRICT - SIRMUR (H.P.)
3. (a) Lease Number : HPR0058
- (b) Lease area : 5.61
- (c) Period of lease : 50
- (d) Date of Expiry : 10-SEP-52
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : SMT. JANKI DEVI  
W/O KUNDAR SINGH P.O.  
KAMRAOO. TEH. PAONTA SAHIB  
SIRMUR HIMACHAL PRADESH  
Phone:  
FAX :

Owner : JANKI DEVI  
JANKI DEVI VPO - KAMRAO  
DISTRICT - SIRMOUR (HP)  
SIRMUR HIMACHAL PRADESH  
Phone:  
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 20-JAN-03  
Plan/Scheme of Mining : Modif.of approved Mining Plan 14-OCT-04  
Mining Scheme rule 12 MCDR1988 03-MAY-10

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during year 2017-18.	No exploration was proposed during year 2017-18.	
1b	Exploration over lease area for geological axis 1 or 2	02 bore holes proposed during year 2018-19.	No exploration was carried out during year 2018-19. Violation point out lessee as per rule 11(1) of MCDR-2017	No exploration was carried out during year 2018-19. Violation point out lessee as per rule 11(1) of MCDR-2017
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 approved mining plan G1- 0.5792 Million Tonnes, G2- 2.1852 Million Tonnes, and G3-5.2276 Million Tonnes.	As per approved mining plan G1- 0.5792 Million Tonnes, G2-2.1852 Million Tonnes, and G3- 5.2276 Million Tonnes.	
1e	Balance reserve as on 01/04/20	Under 111 0.4229 Million tonnes 121&122 2.1852 Million tonnes	Under 111 0.4229 Million tonnes 121&122 2.1852 Million tonnes	

1f	General remarks of inspecting officers on geology, exploration etc	02 bore holes proposed during year 2018-19.No exploration was carried out during year 2018-19. Violation point out lessee as per rule 11(1) of MCDR-2017	02 bore holes proposed during year 2018-19.No exploration was carried out during year 2018-19. Violation point out lessee as per rule 11(1) of MCDR-2017	02 bore holes proposed during year 2018-19.No exploration was carried out during year 2018-19. Violation point out lessee as per rule 11(1) of MCDR-2017
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## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The development was proposed toward SE of mining laease by formation of 5 mrt height benched 1845 mRl to 1835 mRl.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporated	No proposals incorporated	
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 year 2018-19.	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.
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Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	40500 Tonnes	16886.70 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	2700 Tonnes	0	No mineral reject generated during year 2018-19.
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	Not Applicable	Not Applicable	

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|----|--|---|---|
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.      | No proposals incorporated in approved mining plan.  | Not Applicable  |
| 3j | Provision of drilling and blasting in mineral benches  | Yes, Drilling operation carried out with used of Jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator.                       | Yes, Drilling operation carried out with used of Jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator.                       |
| 3k | Provision of mining machineries in mineral benches   | Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 18 tonnes tippers / trucks used for transporation of limestone form mine to stock yard . | Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 18 tonnes tippers / trucks used for transporation of limestone form mine to stock yard . |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | yes   | yes   |

3m	Total area covered under excavation/pits	0.30 ha	0.32 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:00.00	1:00.00	No overburden generated during year 2018-19.
3o	Total area put in use under different heads at the end of year	3.3333 ha during plan period	3.3333 ha during plan period	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 9000 tonnes 2018-19 40500 tonnes	2017-18 0 tonnes 2018-19 16886.70 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	The development was not carried out as per proposals and no benches developed. Violation point out to lessee as per rule of 11(1) of MCDR-2017.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal incorporated for separate dumping of overburden.	No proposal incorporated for separate dumping of overburden.	
4b	Location of topsoil, OB and mineral reject dumps	Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	

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 proposals incorporated	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	No proposals incorporated	Not Applicable	
4j	Number of settling ponds	None	None	
4k	Specific comments of inspecting officer on waste dump management	No Proposal for separate dumping is incorporated. Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	No Proposal for separate dumping is incorporated. Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	No Proposal for separate dumping is incorporated. Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.

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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	No proposals incorporated	
5b	Area under backfilling of mined out area	No proposals incorporated	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal incorporated	small quantity of top soil generated which used for plantation purpose.	
5d	Total area fully reclaimed and rehabilitated	No proposals, except plantation proposals is within the lease area.	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet not matured for back filling.	Area yet not matured for back filling.	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).	Not Submitted	Not Submitted . Violation letter issued to lessee as per rule 26(2) of MCDR-2017.	
6b	Area available for rehabilitation (ha) .	No proposals	Not Applicable	
6c	afforestation done (ha).	0.23 ha	0.25 ha	
6d	No. of saplings planted during the year	100	100	

6e	Cumulative no .of plants	350	250
6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	5000	3000
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)Afforestati 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	
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 report under 26(2) of MCDR-2017 has not been submitted and violation letter issued to lessee.	PMCP report under 26(2) of MCDR-2017 has not been submitted and violation letter issued to lessee.	PMCP report under 26(2) of MCDR-2017 has not been submitted and violation letter issued to lessee.

#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated	No proposals incorporated	
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	Not Applicable	

7d	Any beneficiation process at mines	No proposals incorporated	Not Applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM dispatched to Market	ROM dispatched to Market

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal incorporated	Not Applicable	
8b	Concurrent use or storage of topsoil	No proposals incorporated	small quantity of top soil generated which used for plantation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	Mineral rejects temporarily stored in side lease area near boundary pillar 8 and 11.	
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)	Not Applicable	Not Applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information given	Baseline information given	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	water sprinkling on haul road for dust surpression	water sprinkling on haul road for dust surpression	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is maintained except degradation of land.	Aesthetic beauty is maintained except degradation of land.	Aesthetic beauty is maintained except degradation of land.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly and Annual Return Submitted.	All Monthly and Annual Return Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist not appointed.	Geologist not appointed. Violation letter issued to lessee as per rule 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 scurtinzed for Ex. Mine price and cost of production.	Return scurtinzed for Ex. Mine price and cost of production.
9h	Scrutiny of Annual return on fixed assets	Information given	Information given
9k	Scrutiny of Annual return on mining machineries	Information given	Information given

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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
MCDR17 Rule 45(7) (a)	13-MAR-20		MCDR17 Rule 11(1)	13-MAR-20	
MCDR17 Rule 55(1) (1)	13-MAR-20		MCDR17 Rule 26(2)	13-MAR-20	
MCDR17 Rule 11(1)	13-MAR-20		MCDR17 Rule 33	13-MAR-20	
MCDR17 Rule 26(2)	13-MAR-20		MCDR17 Rule 45(7)	13-MAR-20	
MCDR17 Rule 33	13-MAR-20		MCDR17 Rule 35(2)	13-MAR-20	
MCDR17 Rule 35(2)	13-MAR-20				

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines