

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT 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 : Deepak Bhatnagar, Partner  
Official with  
Designation
- (iv) Date of Inspection : 27-MAR-24
- (v) Prev.inspection date : 01-OCT-22

**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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	07 boreholes proposed with 210 meter during the year 2023-24.	No exploration was carried out during the yera 2023-24.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration carried out during the year 2023-24.	No exploration carried out during the year 2023-24.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area under G-1 2.848 ha G-2 1.022 ha and area to be explored 1.74 ha	Area under G-1 2.848 ha G-2 1.022 ha and area to be explored 1.74 ha	
1e	Balance reserve as on 01/04/20	Balance Reserve as on 01.04.2024 0.241 Million Tonnes and 122 0.06 Million Tonnes	Balance Reserve as on 01.04.2024 0.241 Million Tonnes and 122 0.06 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	07 boreholes proposed with 210 meter during the year 2023-24.	No exploration was carried out during the year , Violation point out to lessee as per rule 11(1) of MCDR-2017.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development proposed towards South East direction of Mines with 5 meter benches 1850mRL to 1840 mRL	Development work carried out with in proposed area.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporate for benches in topsoil and overburden , Minerals benches proposed.	Minerals benches development work under progress.	
2c	Stripping ratio or ore to OB ratio	1:00	1:00	No overburden present in mine.
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 carried out within proposed area.	Development work carried out within proposed area.	

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	16717 Tonnes	7998.20 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	10%	
3d	Quantity of mineral reject generation	1671.75 Tonnes	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Dolomatic Limestone MGO more than 5%	Dolomatic Limestone MGO more than 5%	

3f	Quantity of sub grade mineral generation.	Not Proposed	Nil
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	ROM sell directly into market.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed.	No beneficiation study carried out in mine.
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 Trucks 9 tonnes 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 Trucks 9 tonnes 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	5 meter height benches proposed.	Benches development work is under progress.
3m	Total area covered under excavation/pits	0.50	0.40
3n	Ore to OB ratio for the pit/mine during the year.	1:00	1:00
3o	Total area put in use under different heads at the end of year	0.74 ha	0.65 ha
3p	Production of ROM mineral during the last five year period as applicable	2019-20 49500 Tonnes 2020-21 58500 Tonnes 2021-22 76500 Tonnes 2022-23 9565.50 Tonnes 2023-24 16717.50 Tonnes	2019-20 15427.10 Tonnes 2020-21 0 Tonnes 2021-22 4660.10 Tonnes 2022-23 0 Tonnes 2023-24 7998.20 Tonnes
3q	General remarks of inspecting officers on method of mining etc.	Development work was carried out within proposed area.	Development work was carried out within proposed area.

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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)	Mineral Reject Dump proposed.	Mineral Reject proposed.	Dump

4b	Location of topsoil, OB and mineral reject dumps	Mineral Reject Dump proposed towards westren side mining lease below boundary pillar no 15.	Mineral Reject as per proposals.	Mineral Reject dumping
4c	Number of dumps within lease area and outside of lease area	1	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within Ultimate Pit.		Within Ultimate pit.
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	None	None	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposals incorporated		Proposals incorporated
4i	Length of Retaining wall or garland drain all along dumps	61 Meter	40 Meter	
4j	Number of settling ponds	None	None	
4k	Specific comments of inspecting officer on waste dump management	Small Quantity Minearls reject generated wchich dumped as per proposals.	Small Quantity Minearls reject generated wchich dumped as per proposals.	

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Solid Waste Management - Backfilling:

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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	Not Applicable	
5b	Area under backfilling of mined out area	No proposals incorporated	No proposals incorporated	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	small quantity of Top Soil generated which is used for Plantation purpose.	small quantity of Top Soil generated which is used for Plantation purpose.
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 mature for backfilling.	Area yet to not mature for backfilling.	

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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 Report submitted.	PMCP Report submitted.	
6b	Area available for rehabilitation (ha) .	No Applicable	No Applicable	
6c	afforestation done (ha) .	0.05 ha	0.05 ha	
6d	No. of saplings planted during the year	30	30	
6e	Cumulative no .of plants	60	60	



6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	5000 Rs	5000 Rs
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( $L \times B \times D$ )	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 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 Submitted but 228 meter fencing proposed in mine which was not erected , Violation point out lessee as per rule of MCDR-2017.	PMCP Report Submitted but 228 meter fencing proposed in mine which was not erected , Violation point out lessee as per rule of MCDR-2017.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated	ROM Directly sell into the Market.	
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 .	No Proposals incorporated	No beneficiations is carried in mine.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM Directly sell into the Market.	ROM Directly sell into the 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	Small quantity of Top Soil generated which used for Plantation Purpose.	
8b	Concurrent use or storage of topsoil	For Plantation Purpose	For Plantation Purpose	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperated dumping of Mineral Reject proposals incorporated	Small Quantity of Mineral reject generated , which dumped as per proposals.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Information Given	Information Given	
8g	Survival rate	80%	70%	
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	Aestheic beauty maintained except some land degradation.	Aestheic beauty maintained except some land degradation.	

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## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Return Submitted within time line.	Monthly and Annual Return Submitted within time line.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Geologist not appointed in mine , Violation point out to lessee as per rule 55 of MCDR-2017.	Mining Geologist not appointed in mine , Violation point out 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.	Details in this regards furnished in annual return.	Details in this regards furnished in annual return.	
9d	Scrutiny of Annual return on afforestation	Details of afforestation given.	Details of afforestation given.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral reject generated during the year 2022-23.	No Mineral reject generated during the year 2022-23.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No Production done during the year .	No Production done during the year .	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil Production Reported during the year .	Nil Production Reported during the year .	
9h	Scrutiny of Annual return on fixed assets	Information Given	Information Given	
9k	Scrutiny of Annual return on mining machineris	Nil Production Reported during the year 2022-23.	Nil Production Reported during the year 2022-23.	

**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 :**

**(DAMODAR PRASAD SHARMA)**

Indian Bureau of Mines