

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-1

Mine code : 38HPR10044

- (i) Name of the Inspecting : 002) DAMODAR PRASAD SHARMA
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. Rohit Singh, Mine Owner Representative
Official with
Designation
- (iv) Date of Inspection : 13-MAR-23
- (v) Prev.inspection date : 20-JUN-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARWAS (8.91 HA)**
- (b) **Registration NO.** : **IBM/487/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BARWAS
- Taluka : PAONTA SAHIB
- Post office : KAMRAOO
- Pin Code : 173029
- FAX No. : N.A
- E-mail : N.A
- Phone : (01704) 262449/(01704) 271:
- (f) Police Station : PAONTA SAHIB
- (g) First opening date : 08-MAR-87
- (h) Weekly day of rest : SUN
2. Address for : C/O SHRI J.S FAUJI,VILLAGE AND POST SATAUN
correspondance : DISTRICT -SIRMOUR
STATE- HIMACHAL PRADESH

5. Name and Address of the

Lessee : JAKRA MINES AND MINERALS,
 JALAM SINGH FAUJI VPO -
 SATAUN VIA-PAONTA SAHIB
 SIRMUR HIMACHAL PRADESH
 Phone:
 FAX :

Owner : JALAM SINGH FAUJI
 VILL & PO - SATAUN TEHSHIL
 - KAMRAO DISTRICT - SIRMOUR
 SIRMUR HIMACHAL PRADESH
 Phone: (01704) 2624449
 FAX :

Agent : Jalam Singh Fauji
 Village- Sataun Post-
 Sataun Via- Paonta Sahib
 SIRMUR HIMACHAL PRADESH
 Phone: (01704) 2624449
 FAX :

Mining Engineer

Name : Ajai Kumar, Part Time
 Qualification : B. Sc. (Hons) (Mining), AISM, SCC
 Appointment/ : 01-MAR-95
 Termination date

Manager

Name : Ajai Kumar
 Qualification : B. Sc. (Hons) (Mining), AISM, SCC
 Appointment/ : 01-MAY-95
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	15-FEB-95
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	02-MAY-00
		Mining Scheme rule 12 MCDR1988	09-NOV-11

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	06 bore holes proposed during year 2021-22	06 bore hole was carried out during year 2022-23.	
1b	Exploration over lease area for geological axis 1 or 2	No exploration was proposed during year 2022-23.	06 bore holes was carried out during year 2022-23 against preveious year proposals.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Asia Environ Lab	Asia Environ Lab	
1d	Balance area to be explored to bring Geological axis in 1 or 2	as per approved plan G-1 2.39 ha,G-2 1.84 ha and G-3 4.68 ha	as per approved plan G-1 2.39 ha,G-2 1.84 ha and G-3 4.68 ha	
1e	Balance reserve as on 01/04/20	Balanced reserve as on 01.04.2023 under 111 5.07980 Million Tonnes and 121 and 122 0.96300 Million Tonnes	Balanced reserve as on 01.04.202 under 111 5.07980 Million Tonnes and 121 and 122 0.96300 Million Tonnes	

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per proposal development shall be carried out in South west part of the lease area from 1524 mRL to 1506 mRL downwards.	Mining benches not developed as per proposals , violation letter issued to as per rule 11(1) of MCDR-2017.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals are incorporated.	No such proposals are incorporated.	
2c	Stripping ratio or ore to OB ratio	1:0.05	1:0.05	
2d	Quantity of topsoil generation in m3	No proposals incorporated	No significant Quantity generate during the year,small quantity of top soil generated which used for plantation purposed.	
2e	Quantity of overburden generation in m3	No overburden proposals incorporated	458 Tonnes interburden generated during year 2022-23.	
2f	General remarks of inspecting	Development work not	Development work not carried out as per	

3b	Quantity of ROM mineral production proposed	85130 Tonnes	40663.10 Tonnes
3c	Recovery of sailable/usable mineral from ROM production	95% Proposed	95%
3d	Quantity of mineral reject generation	No proposals incorporated in approved mining plan.	No minerals reject generated during the year .
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable
3f	Quantity of sub grade mineral generation.	No proposals incorporated	No proposals incorporated
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed.	No beneficiation study was carried out .

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Benches height not maintained as per proposals, violation letter issued to lessee.	
3m	Total area covered under excavation/pits	1.67 ha	1.67 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.5	1:0.5	
3o	Total area put in use under different heads at the end of year	3.196 ha during plan period.	3.196 ha during plan period.	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 108371 Tonnes 2019-20 114713 Tonnes 2020-21 124973 Tonnes 2021-22 75212 Tonnes 2022-23 85130 Tonnes	2018-19 2019-20 2020-21 2021-22 2022-23	52146 Tonnes 36219 Tonnes 37349 Tonnes 32318 Tonnes 40663 Tonnes

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping proposals		more or less dumping	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	towards SE slope of the lease area.	towards SE slope of the lease area.
4e	Number of active and alive dumps.	1	1
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.	proposals incorporated	Retaining wall constructed
4i	Length of Retaining wall or garland drain all along dumps	20 meter	20 meter
4j	Number of settling ponds	None	None
4k	Specific comments of inspecting officer on waste dump management	proposal incorporated for seperate dumping of waste material in approved mining plan.	During the year 458 tonnes interburden generated which used for haul maintenance purpose.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part	No Proposal	No backfilling was	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	small quantity of top soil generated which used for plantation purposed.	small quantity of top soil generated which used for plantation purposed.
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposal for backfilling in year 2202-23. Backfilling of mined out area is not proposed.	Area yet to 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).	submitted	submitted	
6b	Area available for rehabilitation (ha) .	0.05 ha	0.05 ha	
6c	afforestation	0.05 ha	0.05 ha	

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

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation Proposals incorporated in approved mining plan	Plantation Proposals incorporated in approved mining plan
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.	Aesthetic beauty is maintained except degradation of land.	Aesthetic beauty is maintained except degradation of land.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal incorporated for Sorting.	95% ROM dispatched from mine and 5% waste generated.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposals incorporated	No proposals incorporated	
7c	Different grade of mineral	No proposals incorporated	Not Applicable	

Environment:

Sl.No.	Item	Proposals	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)	Proposals incorporated	Proposals incorporated	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals incorporated in approved mining plan.	No proposals incorporated in approved mining plan.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline study done	Baseline study done	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust suppression.	Water sprinkling on haul road for dust suppression.	

9a	Status of submission of Monthly and Annual returns	Submitted	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Mining Geologist appointed.	Mining Engineer and Mining Geologist appointed.
9d	Scrutiny of Annual return on afforestation	afforestation details provided in Annual Return	afforestation details provided in Annual Return
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral generated during the year, Nil Information given	No Mineral generated during the year, Nil 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 sale vale, Ex.Mine Price and production cost. Value found within range.	eturn scrutinized for sale vale, Ex.Mine Price and production cost. Value found within range.
9h	Scrutiny of Annual return on fixed assets	Information Given	Information Given

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 11(1)	17-MAY-23			
MCDR17	Rule 45(7) (a)	17-MAY-23			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines