

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-24

Mine code : 38HPR10008

- (i) Name of the Inspecting : 003) Manish Maindiratta
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 20-MAR-23
- (v) Prev.inspection date : 15-SEP-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BOHAR
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BOHAR
- Taluka : PAONTA SAHIB
- Post office : BONUR
- Pin Code : 173025
- FAX No. : 01704-222622
- E-mail : thakur_swaraj@rediffmail.co
- Phone : (01704) - 222158
- (f) **Police Station** : PAONTA SAHIB
- (g) **First opening date** : 01-DEC-85
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : JAISINGH THAKUR C/O R.P.TEWARI
DEVI NAGAR, PO- PAONTA SAHIB
DISTRICT - SIRMOUR (HP)
3. (a) **Lease Number** : HPR0019
- (b) **Lease area** : 4.15
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 24-APR-35
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : JAISINGH THAKUR & SONS
 JAISINGH THAKUR & SONS DEVI
 NAGAR PAONTA SAHIB SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

Owner : Swaraj Singh Thakur
 Devi Nagar Paonta Sahib
 P.O. - Paonta Sahib SIRMUR
 HIMACHAL PRADESH
 Phone: (01704) 22158
 FAX : (01704) 22622

Agent : Rajendra Prasad Tewari
 Devi Nagar Paonta Sahib
 P.O. Paonta Sahib SIRMUR
 HIMACHAL PRADESH
 Phone: (01704) 22158
 FAX : (01704) 22622

Mining Engineer

Name : R. P. Tewari, Full Time
 Qualification : M. Sc. (Geology)
 Appointment/ : 07-JUN-99
 Termination date

Manager

Name : A. K. DAS
 Qualification : FOREMAN CERTIFICATE HOLDER
 Appointment/ : 01-JAN-01
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	11-DEC-89
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	07-AUG-00
		Mining Scheme rule 12 MCDR1988	10-JAN-12

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2021-22-6 BH	2021-22-6 BH	Form I and J submitted
1b	Exploration over lease area for geological axis 1 or 2	-	Potentially mineralized area is under G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	M/s Udaipur Min-Tech Pvt Ltd. Udaipur.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	Surface area has been explored. Geological Plan and sections are to be updated.	
1e	Balance reserve as on 01/04/20	Reserves as on 31.03.2020 111- 128528 T 122-441969 T Resource 221-417266 T 222-1420732 T Depletion 2020-21- 24,000 T +810T (rej)= 24810T 2021-22- 33,339 T +1600 T (rej)= 34,939 T	Balance after depletion as on 1.4.2022 (111/121/122) - 510748 T (221/222) 1837998 T	
1f	General remarks of inspecting officers on geology, exploration etc	-	-	-

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mineral development by means of benches of 6m height upto 1319 mRL	More or less in the same area upto 1349 mRL	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	No proposal
2c	Stripping ratio or ore to OB ratio	1:000	1:000
2d	Quantity of topsoil generation in m3	No proposal in 2021-22 and 2022-23	Not generated
2e	Quantity of overburden generation in m3	No proposal in 2021-22 and 2022-23	Not generated
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	2 small old pits are there
3b	Quantity of ROM mineral production proposed	2020-21- 90250 T +4750 T (rej)= 95000T 2021-22- 90250 T +4750 T (rej)= 95000 T	2020-21- 24,000 T +810T (rej)= 24810T 2021-22- 33,339 T +1600 T (rej)= 34,939 T	
3c	Recovery of sailable/usable mineral from ROM production	95 %	100 %	
3d	Quantity of mineral reject generation	2020-21-4750 T 2021-22- 4750 T	2020-21- 810 T 2021-22 -1600 T	
3e	Grade of mineral rejects generation and threshold value declared.	-	Siliceous/ low grade dolomitic material as reported	
3f	Quantity of sub grade mineral generation.	No proposal	No generation	

3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	Visual segregation is done in the mines for deleterious material.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Jack hammer blasting with 32mm dia high explosive cartridge proposed	Jack hammer blasting with 32mm dia high explosive cartridge proposed	
3k	Provision of mining machineries in mineral benches	Proposed using dumper and excavator	Provided accordingly.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Opencast Mining 6Mtr Bench	Working bench of about 6m height observed in the north	Non working Benches need to be dressed properly for height.
3m	Total area covered under excavation/pits	2.1191 upto 31.03.2025	About 2 hectare area is under excavation and dumping	
3n	Ore to OB ratio for the pit/mine during the year.	1:000	No OB is generated, as proposed.	
3o	Total area put in use under different heads at the end of year	-	Excavation and dumps- About 2 ha. Roads -0.7 ha.	
3p	Production of ROM mineral during the last five year period as applicable	Limestone 2017-18: 90915T 2018-19: 90972T 2019-20: 91015T 2020-21: 90250T 2021-22: 95000T	Limestone 2017-18: NIL 2018-19: NIL 2019-20: NIL 2020-21: 24000T 2021-22: 33339T	

3q General remarks - Dumps are scattered for
of inspecting which the work is being
officers on done . Violation for
method of mining protective measures is
etc. pending. -

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	Not applicable.	
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	Not applicable	
4c	Number of dumps within lease area and outside of lease area	3	3 dumps	Not properly secured. Scattered stacks are observed within the pit as well.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	2	2	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	-	Not found during inspection	
4i	Length of Retaining wall or garland drain all along dumps	105m in 2021-22	Not undertaken	
4j	Number of settling ponds	Not proposal	Not possible as lease is on the slope of mound.	
4k	Specific comments of inspecting officer on waste dump management	NA	NA	-

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.	Not proposed	Not Applicable	
5b	Area under backfilling of mined out area	Not proposed	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	-

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 given	Submitted	
6b	Area available for rehabilitation (ha) .	-	Not applicable at present	
6c	afforestation done (ha).		Not applicable at present	
6d	No. of saplings planted during the year		Not applicable at present	
6e	Cumulative no .of plants		Not applicable at present	
6f	Any other method of rehabilitation		Not applicable at present	
6g	Cost incurred on watch and care during the year		Not applicable at present	

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 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.	125 saplings over 0.05 ha. Proposed in 2021-22 and 2022-23	130 Nos planted in each year
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	125 saplings over 0.05 ha. Proposed in 2021-22 and 2022-23	130 Nos planted in each year
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	125 saplings over 0.05 ha. Proposed in 2021-22 and 2022-23	130 Nos planted in each year
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Undertaken	Undertaken as proposed.

6p	Compliance of environmental monitoring (core zone and buffer zone)	Undertaken	Undertaken as proposed.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	Entire ROM is dispatched without sorting.	
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	-	Entire limestone is used by blending as proposed.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	Not applicable	

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)	Not applicable	Not applicable	Area is not mature for the purpose
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	-	-
8g	Survival rate	-	About 70% survival reported	
8h	Water sprinkling on roads to control airborne dust	-	Undertaken as proposed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposal given	M.R Submitted up to Feb 2023 A.R. Submitted up to 2021-22	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	Found to be as per submission
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	Submitted.
9d	Scrutiny of Annual return on afforestation	-	Submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	-	Submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	Submitted.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	Submitted.
9h	Scrutiny of Annual return on fixed assets	-	Submitted.
9k	Scrutiny of Annual return on mining machineries	-	Submitted.

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

Date :

(Manish Maindiratta)

Indian Bureau of Mines