

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT
Dehradun regional office

Mine file No : HP/SRM/LST-24

Mine code : 38HPR10008

- (i) Name of the Inspecting Officer and ID No. : 002) DAMODAR PRASAD SHARMA
(ii) Designation : Assistant Controller Mine
(iii) Accompanying mine Official with Designation : A.K. Das
(iv) Date of Inspection : 15-SEP-22
(v) Prev.inspection date : 30-DEC-21

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 correspondence : 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 Plan/Scheme of Mining

: Existing rule 11 MCDR1988	11-DEC-89
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	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	As per proposals 06 Nos boreholes was proposed during year 2021-22	06 Nos boreholes was carried out during year 2021-22.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	5 lakh	5 lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G2- 3.0429, G-3 0.197	G2- 3.0429, G-3 0.197	
1e	Balance reserve as on 01/04/20	Under 111 0.09518 Milloins Ton Under 121&122 0.441969 Million Tons	Under 111 0.09518 Milloins Ton Under 121&122 0.441969 Million Tons	
1f	General remarks of inspecting officers on geology, exploration etc	As per proposals 06 Nos boreholes was proposed during year 2021-22	Exploration was carried out as per proposals during year 2021-22	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development of six meter height benches proposed from 1337 mRl to 1319 mRL.	Development work carried out within in proposed area but all proposed benches not developed due to less production demand.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporated	No proposals incorporated
2c	Stripping ratio or ore to OB ratio	0:00	0:00
2d	Quantity of topsoil generation in m3	Nil	Small quantity of top soil generated which used for planation purpose.
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 in proposed area but all proposed benches not developed due to less production demand.	Development work carried out within in proposed area but all proposed benches not developed due to less production demand.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	90250 Tonnes	33339 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	
3d	Quantity of mineral reject generation	4750 Tonnes	1600 Tonnes	

3e	Grade of mineral rejects generation and threshold value declared.	Low grade dolomatic limestone	Low grade dolomatic limestone
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No propoasls incorporated	No propoasls incorporated
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed in mine	No beneficiation study proposed in mine
3j	Provision of drilling and blasting in mineral benches	yes	yes
3k	Provision of mining machineries in mineral benches	yes	yes
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	1.68 ha	1.53 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:00.00	1:00.00

No overburden generated during year 2021-22

3p	Production of ROM mineral during the last five year period as applicable	2017-18	90915	2017-18	0	Tonnes
		Tonnes		2018-19	0	Tonnes
		2018-19	90972	2019-20	0	Tonnes
		Tonnes		2020-21	0	Tonnes
		2019-20	91015	Tonnes		
		Tonnes		2021-22	33339	
		2020-21	90250	Tonnes		
		Tonnes				
		2021-22				
		90250				
		Tonnes				

3q General remarks of inspecting officers on method of mining etc.
 Excavation work carried out within proposed area.
 Excavation work carried out within proposed area.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals incorporated	No proposals incorporated	
4b	Location of topsoil, OB and mineral reject dumps	As per proposal minearls reject shall be carried out near boundary pillar BP1,BP2& BP-3 over non-mineralized area.	As per proposal minearls reject shall be carried out near boundary pillar BP1,BP2& BP-3 over non-mineralized area.	
4c	Number of dumps within lease area and outside of lease area	2	2	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	As per proposal dumping shall be carried out near boundary pillar BP1, BP2 & BP-3 over non-mineralized area.	As per proposal dumping shall be carried out near boundary pillar BP1, BP2 & BP-3 over non-mineralized area.
4e	Number of active and alive dumps.	1	1
4f	Number of dead dumps.	1	1
4g	Number of dumps established.	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	65 mtr	No retaining wall erected around the dumps, violation point out to lessee as per rule 11(1) of MCDR -2017
4i	Length of Retaining wall or garland drain all along dumps	65 mtr	Nil
4j	Number of settling ponds	None	None
4k	Specific comments of inspecting officer on waste dump management	Retaining wall not erected around the dump , Violation point out to lessee as per rule 11(1) of MCDR-2017.	Retaining wall not erected around the dump , Violation point out to lessee as per rule 11(1) of MCDR-2017.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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	Nil
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 purpose.	small quantity of top soil generated which used for plantation purpose.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet to not matured for back filling.	Area yet to 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).	PMCP Reported submitted	PMCP Reported submitted	
6b	Area available for rehabilitation (ha) .	0.05 ha	0.0 ha	
6c	afforestation done (ha).	0.05 ha	0 ha	No planation was carried out during yera 2021-22, Violation point out to lessee.
6d	No. of saplings planted during the year	125	0	
6e	Cumulative no .of plants	300	200	

- 6f Any other method of rehabilitation Not Applicable Not Applicable
- 6g Cost incurred on watch and care during the year 10000 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 backfilled area Not Applicable Not Applicable
- 6k Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir 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 of year 2021-22, submitted but PMCP proposal not implemented in mine during the year 2021-22, Violation point to lessee as per rules MCDR-2017.	PMCP Report of year 2021-22, submitted but PMCP proposal not implemented in mine during the year 2021-22, Violation point to lessee as per rules MCDR-2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting propose with in lease area.	No grade wise sorting propose with in lease area.	

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	Not Proposed	No Benefication process carried out in mine.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	95 % ROM sell into the market.	95 % ROM sell into the market.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil utilized for planation purpose.	Top soil utilized for planation purpose.	
8b	Concurrent use or storage of topsoil	For Planation Purpose	For Planation 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	only planation proposed	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information given	Baseline information given
8g	Survival rate	70%	60%
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 maintained except some land degradation.	Aesthetic beauty maintained except some land degradation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual returns submitted.	Monthly and Annual returns submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer and geologist appointed.	Mining engineer and geologist appointed.	
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	No planation was carried out during year 2021-22	No planation was carried out during year 2021-22	violation point out to lessees as per MCDR -2017

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	4750 tonnes	1600 tonnes
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 cost of production. Cost of production of limestone is very high, due to more land compensation.	return scrutinized for cost of production. Cost of production of limestone is very high, due to more land compensation.
9h	Scrutiny of Annual return on fixed assets	Information given	Information given
9k	Scrutiny of Annual return on mining machineries	Information given	Information given

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)	03-OCT-22			
MCDR17	Rule 33	03-OCT-22			
MCDR17	Rule 42	03-OCT-22			
MCDR17	Rule 34(1)	03-OCT-22			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines