

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-4

Mine code : 38HPR10004

- (i) Name of the Inspecting : **S038**) **SHAILENDRA SAKLANI**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 20-JUN-22
- (v) Prev.inspection date : 20-NOV-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BALDHAWA**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : BALAHAWA
Taluka : PAONTA SAHIB
Post office : KAMROO
Pin Code : 173029
FAX No. : (01704) 22622
E-mail : thakur_swaraj@rediffmail.co
Phone : (01704) 222158
- (f) Police Station :
- (g) First opening date : 01-JAN-96
- (h) Weekly day of rest : SUN
2. Address for
correspondance : C/O SHRI R.P. TIWARI , AGENT , DEVI NAGAR
PAONTA SAHIB , DISTT. SIRMAUR
HIMACHAL PRADESH
3. (a) Lease Number : HPR0048
- (b) Lease area : 12.38
- (c) Period of lease : 60
- (d) Date of Expiry : 28-NOV-25
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 : A.K. CHABRA, Full Time
 Qualification : FOREMAN CERTIFICATE HOLDER & PERMIT MANA
 Appointment/ : 08-FEB-96
 Termination date

Geologist
 Name : R.P. TEWARI, Full Time
 Qualification : M.SC (GEOLOGY)
 Appointment/ : 01-JAN-93
 Termination date

Manager
 Name : AJIT KUMAR PAHUJA
 Qualification : Foreman Competency Certificate Holder
 Appointment/ : 13-NOV-83
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	29-JUN-89
		Mining Scheme rule 12 MCDR1988	15-JAN-96
		Mining Scheme rule 12 MCDR1988	09-JUL-01
		Renewal under rule 22 MCR1960	28-JUL-06
		Modif.of approved Mining Plan	14-JUL-09
		Mining Scheme rule 12 MCDR1988	19-MAR-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, it was proposed to carry out four boreholes with a cumulative meterage of 80 mts during the year 2021-22	All the four boreholes have been carried out with a cumulative meterage of 80 meters.	After pointing out the violation, compliance has been done
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None at present	None at present	Entire area has already been explored.
1e	Balance reserve as on 01/04/20	G-1-5.24 hectares, G-2-4.49 hectares, G-3-2.64 hectares	G-1-5.24 hectares, G-2-4.49 hectares, G-3-2.64 hectares	-1-5.24 hectares, G-2-4.49 hectares, G-3-2.64 hectares
1f	General remarks of inspecting officers on geology, exploration etc	As per proposals, it was proposed to carry out four boreholes with a cumulative meterage of 80 mts during the year 2021-22	Exploration has already been carried out.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between 1800mRL to 1752mRL	As per proposals	Development is carried out as per proposals

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB:5 MINERAL: 7	OB:5 MINERAL: 7
2c	Stripping ratio or ore to OB ratio	-	-
2d	Quantity of topsoil generation in m3	-	-
2e	Quantity of overburden generation in m3	-	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development work was carried out at earmarked place .Proposals for separate benches in overburden and mineral has been incorporated.	Development work was carried out at earmarked place .Proposals for separate benches in overburden and mineral has been incorporated.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	2017-18-154755 Tonne 2018-19-157575 Tonne 2019-20-157890 Tonne 2020-21-166485 Tonne 2021-22-150000 Tonne 2019-20-157890 Tonne 2020-21-157890 Tonne	2017-18-48644 Tonne 2018-19-99451 Tonne 2019-20-70117 Tonne 2020-21-63491 Tonne 2021-22-52767 Tonne	
3c	Recovery of sailable/usable mineral from ROM production	95 % recovery from ROM.	only 5% minerals waste generated during year 2020-21.	only 5% minerals waste generated during year 2021-22.

3d	Quantity of mineral reject generation	Nil	Nil
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	MANUAL	MANUAL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL
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	-	-
3n	Ore to OB ratio for the pit/mine during the year.	0:0.12	0:0.12
3o	Total area put in use under different heads at the end of year	-	-

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Not applicable	
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)	As per proposal dumping shall be carried out between local coordinates 0 to 100S and 300E to 400E on non mineralized ground.	As per proposals	
4e	Number of active and alive dumps.	1	1	
4f	Number of dead dumps.	1	1	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	Approximately 200 meters	Approximately 200 meters have been erected	
4j	Number of settling ponds	None	None	
4k	Specific comments of inspecting officer on waste dump management	As per proposal dumping shall be carried out between local coordinates 0 to 100S and 300E to 400E on non mineralised ground.	Dumping is carried out as per proposals.	

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.	Proposals are not incorporated.	Area yet not matured for back filling.	
5b	Area under backfilling of mined out area	Not Proposed	Nil during this year. However in the past worked out benches were reclaimed and rehabilitation by way of plantation.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Insignificant quantity of soil is generated.	Insignificant quantity of soil is being generated during year which is being utilized for plantation purposes if any.	
5d	Total area fully reclaimed and rehabilitated	In the past long back approximately 1.2 hectares was reclaimed	In the past long back approximately 1.2 ha.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet not matured for back filling.	However in the past worked out benches were reclaimed and rehabilitation by way of plantation.	

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).	Yes	Yes	

- 6b Area available for rehabilitation (ha) .
- In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease
- approximately 1.2 ha. Of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted also within the mining lease.
- 6c afforestation done (ha).
- In the past, commendable plantation has been carried out. Around 60,000 saplings and shrubs were planted at the mine. During the current year about 100 saplings were proposed to be planted. Approximately Rs. 10,000 are proposed to be incurred during the current year
- During the year 2021-22 around 110 saplings were planted within the mining lease. Approximately Rs. 4000 have been spent on plantation and post care.

6d	No. of saplings planted during the year	<p>In the past, commendable plantation has been carried out. Around 60,000 saplings and shrubs were planted at the mine. During the current year about 100 saplings were proposed to be planted. Approximately Rs. 10,000 are proposed to be incurred during the current year</p>	<p>During the year 2021-22 around 110 saplings were planted within the mining lease. Approximately Rs. 4000 have been spent on plantation and post care.</p>
6e	Cumulative no .of plants	<p>In the past, commendable plantation has been carried out. Around 60,000 saplings and shrubs were planted at the mine. During the current year about 100 saplings were proposed to be planted. Approximately Rs. 10,000 are proposed to be incurred during the current year</p>	<p>During the year 2021-22 around 110 saplings were planted within the mining lease. Approximately Rs. 4000 have been spent on plantation and post care.</p>

6f	Any other method of rehabilitation	In the past, commendable plantation has been carried out. Around 60,000 saplings and shrubs were planted at the mine. During the current year about 100 saplings were proposed to be planted. Approximately Rs. 10,000 are proposed to be incurred during the current year	During the year 2021-22 around 110 saplings were planted within the mining lease. Approximately Rs. 4000 have been spent on plantation and post care.
6g	Cost incurred on watch and care during the year	In the past, commendable plantation has been carried out. Around 60,000 saplings and shrubs were planted at the mine. During the current year about 100 saplings were proposed to be planted. Approximately Rs. 10,000 are proposed to be incurred during the current year	During the year 2021-22 around 110 saplings were planted within the mining lease. Approximately Rs. 4000 have been spent on plantation and post care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 ha. Of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted also within the mining lease.

- 6i Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease In the past long back approximately 1.2 ha. Of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted also within the mining lease.
- 6j Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease
- 6k Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease	In the past long back approximately 1.2 hectares of area was reclaimed by way of plantation. In addition to this, around 60,000 saplings have been planted within the mining lease
6p	Compliance of environmental monitoring (core zone and buffer zone)	Report furnished	Report furnished
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report submitted and adequate proposals have been incorporated.	Adequate proposals are incorporated.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	MANUALLY	MANUALLY	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUALLY	MANUALLY	
7c	Different grade of mineral sorted out at mines.	MANUALLY	MANUALLY	
7d	Any beneficiation process at mines	Not Applicable	Nil	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There is no problem of minerals conservation at this mine.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	None	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal incorporated	Proposal being implemented for overburden	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal incorporated	Water and boulderrrs are being utilised for the concentration of parapet walls etc.	
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)	Information given	Information given	
8g	Survival rate	Proposal not incorporated	It is around 50%	

8h	Water sprinkling on roads to control airborne dust	Water sprinkal on gaul road for dust surpression	Water sprinkal on gaul 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

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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 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	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 scrutinized. No significant shortcomings were observed.	No significant shortcomings observed.	
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 couse position		
Rule NO.		Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 27(2)	22-JUN-22	28-JUN-22			

Date :

(SHAILENDRA SAKLANI)

Indian Bureau of Mines