

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-42

Mine code : 38HPR10037

- (i) Name of the Inspecting : 002) DAMODAR PRASAD SHARMA
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. N.S Rana, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 30-MAY-22
- (v) Prev. inspection date : 15-DEC-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BARWANA
- (b) Registration NO. : IBM/4621/2011
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BARWANA
- Taluka : SANGARH
- Post office : ANDHERI
- Pin Code :
- FAX No. : N.A
- E-mail : shersinghpaonta@gmail.com
- Phone : 09418549276
- (f) Police Station : RENUKAJI
- (g) First opening date : 25-AUG-80
- (h) Weekly day of rest : SUN
2. Address for : RAJENDRA SINGH
correspondance VPO - ANDHERI, TEHSHIL - SHRIRENUKAJI
DISTRICT - SIRMOUR (HP)
3. (a) Lease Number : HPR0071
- (b) Lease area : 3.07
- (c) Period of lease : 50
- (d) Date of Expiry : 02-AUG-40
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SUNDER SINGH
SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Owner : SHRI RAJENDRA SINGH
VPO-ANDHERI, TEHSIL-SHRI
RENUKAJI, DISTRICT-SIRMOUR,
HP SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Mining Engineer

Name : N.S.Rana, Full Time
Qualification : Mines Forman Certificate
Appointment/ : 01-JUL-12
Termination date

Mining Engineer

Name : B. K. RAI, Full Time
Qualification : FOREMAN CERTIFICATE HOLDER
Appointment/ : 01-JAN-03
Termination date

Manager

Name : B. K. RAI
Qualification : FORMAN CERTIFICATE HOLDER
Appointment/ : 01-JAN-03
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19-OCT-90
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	28-JAN-97
	:	Mining Scheme rule 12 MCDR1988	09-MAY-01
	:	Renewal under rule 22 MCR1960	16-JUL-07
	:	PMCP under 23B(1) for Renewal	16-JUL-07
	:	Mining Scheme rule 12 MCDR1988	06-DEC-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	No Exploration Proposed during year 2021-22.	No Exploration was carried out during year 2021-22.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1- 2.67 ha, G2 -0.23 ha	G1- 2.67 ha, G2 -0.23 ha	
1e	Balance reserve as on 01/04/20	Balance reserve as on 01.04.2022 under 111 0.192207 Millions Tonnes and Under 121&122 0.038588 Millions Tonnes	Balance reserve as on 01.04.2022 under 111 0.192207 Millions Tonnes and Under 121&122 0.038588 Millions Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	All most pontelial area covered under G-1 axis .No Exploration was carried out during year 2021-22.	All most pontelial area covered under G-1 axis .No Exploration was carried out during year 2021-22.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development proposed towards NE of existing pit by formation of two benches from 1450 Mrl to 1440 Mrl of 5 mtr height.	Development carried out at within proposal area but bench height observed more than proposed height. Violation under 11(1) already issued to lessee.	Development carried out at within proposal area but bench height observed more than proposed height. Violation under 11(1) already issued to lessee.
2c	Stripping ratio or ore to OB ratio	1:00.00	1:00.00	
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	Height of the benches is more than proposed height, Violation under rule 11(1) already issued. Proper haul road not maintained and haul road affected due to heavy rain and land slide in the mine area.	Height of the benches is more than proposed height, Violation under rule 11(1) already issued. Proper haul road not maintained and haul road affected due to heavy rain and land slide in the mine area.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	

3b	Quantity of ROM mineral production proposed	39375 Tonnes	18033.50 Tonnes
3c	Recovery of sailable/usable mineral from ROM production	100%	95%
3d	Quantity of mineral reject generation	Not Applicable	No minerals reject generated during yera 2021-22.
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	No proposals incorporated	No proposals incorporated
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable
3j	Provision of drilling and blasting in mineral benches	yes	Jack hammer and wagon drill use for drilling 30 mm to 65 mm dia hole in limestone benches. Blasting done by using AN and safety fuse with plain detonator.
3k	Provision of mining machineries in mineral benches	yes	0.5 Cum JCB use for loading operation and 10 Tonnes capacity Tippers use for Transportation of Limestone.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Benches height observed more than proposals			
3m	Total area covered under excavation/pits	1.48 ha	1.48 ha			
3n	Ore to OB ratio for the pit/mine during the year.	1:00	No over burden generated during year 2021-22.			
3o	Total area put in use under different heads at the end of year	1.78 ha	1.78 ha			
3p	Production of ROM mineral during the last five year period as applicable	2017-18 24342 Tonnes 2018-19 24500 Tonnes 201-19 32750 Tonnes 2020-21 39002 Tonnes 2021-22 39375 Tonnes	2017-18 24334 Tonnes 2018-19 24495 Tonnes 2019-20 27355 Tonnes 2020-21 14112.60 Tonnes 2021-2180 18033.50 Tonnes	No excess production observed		
3q	General remarks of inspecting officers on method of mining etc.	Excavation was carried out within proposed area but benches height observed more than proposal , violation in this regard already issued to lessee.	Excavation was carried out within proposed area but benches height observed more than proposal , violation in this regard already issued to lessee.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal incorporated	No proposal incorporated
4b	Location of topsoil, OB and mineral reject dumps	One old dump exist Towards Eastren of the ML near boundary pillar W-X-Y.	One old dump exist Towards Eastren of the ML near boundary pillar W-X-Y.
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)	Towards Eastren of the ML near boundary pillar W-X-Y.	Towards Eastren of the ML near boundary pillar W-X-Y.
4e	Number of active and alive dumps.	Nil	Nil
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.	No proposals incorporated	No proposals incorporated
4i	Length of Retaining wall or garland drain all along dumps	No proposals incorporated	No proposals incorporated
4j	Number of settling ponds	None	None

4k	Specific comments of inspecting officer on waste dump management	one waste dump exist in this mine at present time.No waste generated during year 2021-22, small quantity of interburden waste generated which used for haul road maintainance.	one waste dump exist in this mine at present time.No waste generated during year 2021-22, small quantity of interburden waste generated which used for haul road maintainance.
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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.	No proposals incorporated	No proposals incorporated	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Small Quantities of top soil generated which used for plantation purpose	Small Quantities 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.	No Proposal for backfilling in year 2021-22.	No back filling was carried out during year 2021-22.	

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) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	0.08 ha	0.08 ha	
6d	No. of saplings planted during the year	80	80	
6e	Cumulative no .of plants	400	300	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	20000 Rs	20000 Rs	
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
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

6g	General remarks of inspecting officers on PMCP for compliance and progressive closure operations etc.	The area is not matured for reclamation.	The area is not matured for reclamation.
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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	No proposals incorporated	
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.	No proposals incorporated	No proposals incorporated	
7d	Any beneficiation process at mines	No proposals incorporated	No proposals incorporated	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	All ROM Dispatched to market	All ROM Dispatched to market	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Small quantities of top soil generated which used for planation purpose	Small quantities of top soil generated which used for planation 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)	No proposals Incorporated	No proposals Incorporated
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals Incorporated	No proposals Incorporated
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals Incorporated	No proposals Incorporated
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Information given	Information given
8g	Survival rate	70%	70%
8h	Water sprinkling on roads to control airborne dust	Water sprikling on haul road for dust surpression	Water sprikling on haul road for dust surpression

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic environment is good except degradation of land.	Aesthetic environment is good except degradation of land.
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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)	No Minerals Reject Generated during year 2021-22	No Minerals Reject Generated during year 2021-22	
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 Ex-Mine price and Production cost, both found within limit.	Return scrutinized for Ex-Mine price and Production cost, both found within limit.	

9h	Scrutiny of Annual return on given fixed assets	Information given	Information given
9k	Scrutiny of Annual return on given mining machineries	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

Date :

20/11/22
(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines