

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SRM/LST-42

**Mine code :** 38HPR10037

- (i) Name of the Inspecting : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sh.N.S.Rana, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 23/09/2016
- (v) Prev.inspection date : 15/02/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BARWANA**
- (b) **Registration NO.** :
- (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 : 25/08/1980
- (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 : 02/08/2040
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 : B. K. RAI, Full Time  
 Qualification : FOREMAN CERTIFICATE HOLDER  
 Appointment/ : 01/01/2003  
 Termination date

## Manager

Name : B. K. RAI  
 Qualification : FORMAN CERTIFICATE HOLDER  
 Appointment/ : 01/01/2003  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	19/10/1990
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	28/01/1997
		Mining Scheme rule 12 MCDR1988	09/05/2001
		Renewal under rule 22 MCR1960	16/07/2007
		PMCP under 23B(1) for Renewal	16/07/2007
		Mining Scheme rule 12 MCDR1988	06/12/2012

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploitation for the last year.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the last year	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal of exploitation for the last year	Not Applicable as no proposal of exploration for the last year.	
1e	Balance reserve as on 01/04/20	The figure of reserve given in approved SOM(Approved on 06-12-2012) 111:144613T, 212:545130T	After depeleting the production from 111 category the position of reserve as on 01-04-2016: 111:1336549T, 121:545130 T	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Mining was proposed in A pit from RL 1427m to RL 1439m in the western part of the lease area.	Development activity was going on same location as proposed.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Mineral benches were proposed	Mineral benches were found.
2c	Stripping ratio or ore to OB ratio	1:0	1:0
2d	Quantity of topsoil generation in m3	85 tonnes of top soil generation was proposed during the SOM period.	Approximately 50T of top soil generated.

2e Quantity of overburden generation in m3 No OB generation was proposed in approved SOM. No waste was generated.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit was proposed.	One pit was observed.	
3b	Quantity of ROM mineral production proposed	During the year 2015-16 total 30510 tonnes production was proposed.	Actual 22523.9 tonnes production was achieved during the last year.	
3c	Recovery of sailable/usable mineral from ROM production	100%	90% to 95%	
3d	Quantity of mineral reject generation	No mineral reject generation was proposed during the year 2015-16.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed hence not applicable.	N/A	
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	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicanle	Not applicable	

3j	Provision of drilling and blasting in mineral benches	Jack hammer drilling 32mm & class-2 emulsion explosive shall be used.	Same as proposed.
3k	Provision of mining machineries in mineral benches	Manual mining and transporation through 10T capacity dumpers.	Manual mining and transporation through 10T capacity dumpers.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m hieght of benches were proposed.	Bench hieght were not maintained as proposed in approved Scheme of Mining hence violation letter issued in this regard to the lessee.
3m	Total area covered under excavation/pits	At the end SOM period i.e. 2016-17 total 1.984 Hect area will be covered under mining,roads and dumps.	Approximately 1.75 Hect area has been covered under pits.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0
3p	Production of ROM mineral during the last five year period as applicable	Proposed production for the last five years: 2011-12:36000T, 2012-13:16523T, 2013-14:19755T, 2014-15:27120T, 2015-16:30510T	Actual production for the last five years: 2011-12:19593T, 2012-13:19272T, 2013-14:36869T, 2014-15:29399T, 2015-16:22523.9T
3q	General remarks of inspecting officers on method of mining etc.	Opencast	Opencast

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	North Eastern Part of the lease area	North Eastern Part of the lease area.	
4c	Number of dumps within lease area and outside of lease area	One Dump within lease area	One Dump within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of ultimate pit limit.	Outside of ultimate pit limit.	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	None within lease area	None within lease area	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal for retaining wall along dupms only maintenance of retaining wall was proposed.	Maintenance of existing retaining wall has been carried out.	
4i	Length of Retaining wall or garland drain all along dumps	No proposal for new retaining wall.	Not applicable.	
4j	Number of settling ponds	No proposal	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			Waste dump carried out as per proposal.

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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.	Extratcion of mineral is going.	N/A	
5b	Area under backfilling of mined out area	No proposal for the last year	N/A	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil shall be used for plantaion.	Top soil is being used for plantaion.
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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) .	No proposal in the approved SOM.	Not applicable.	
6d	No. of saplings planted during the year	100	100	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Not applicable	

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM dispatched	Total ROM dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes & utilisation for plantation.	Yes & utilisation for plantation.	
8b	Concurrent use or storage of topsoil	For plantation.	For plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	In future it will be used for back filling. Some portion shall be used for parapet walls etc.	As per proposal.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No adverse thing observed in this regard.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR Submitted for the year 2015-16 & Monthly submitted up to Oct 2016.	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail given about manager.	Detail given about manager.	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Given
9d	Scrutiny of Annual return on afforestation	Given	Given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	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
Rule 13(1)	07/10/2016				

**Date :**

**(DATA RAM GURJAR)**

Indian Bureau of Mines