

**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 : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **A. K. CHABRA, MINES MANAGER**  
Official with  
Designation
- (iv) Date of Inspection : 26/10/2016
- (v) Prev.inspection date : 01/02/2016

**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 : 01/01/1996
- (h) Weekly day of rest : SUN
2. Address for : C/O SHRI R.P. TIWARI , AGENT , DEVI NAGAR  
correspondance : PAONTA SAHIB , DISTT. SIRMAUR  
HIMACHAL PRADESH
3. (a) Lease Number : HPR0048
- (b) Lease area : 12.2
- (c) Period of lease : 20
- (d) Date of Expiry : 28/11/2025
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/ : 08/02/1996  
 Termination date

Geologist  
 Name : R.P. TEWARI, Full Time  
 Qualification : M.SC (GEOLOGY)  
 Appointment/ : 01/01/1993  
 Termination date

Manager  
 Name : AJIT KUMAR PAHUJA  
 Qualification : Foreman Competency Certificate Holder  
 Appointment/ : 13/11/1983  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Existing rule 11 MCDR1988	29/06/1989
		Mining Scheme rule 12 MCDR1988	15/01/1996
		Mining Scheme rule 12 MCDR1988	09/07/2001
		Renewal under rule 22 MCR1960	28/07/2006
		Modif.of approved Mining Plan	14/07/2009
		Mining Scheme rule 12 MCDR1988	19/03/2012

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal of exploration for the previous year	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal of exploration for the last year	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposal for the last year, hence not applicable.	N/A	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	N/A	
1e	Balance reserve as on 01/04/20	The Review & Updation of mining plan was recently approved. As per this document the reserve as on 01-02-2016 are as follows: 111:3197480T, 211:8118983T, 332:1299875T, 333:1316375T	The Review & Updation of mining plan was recently approved. As per this document the reserve as on 01-02-2016 are as follows: 111:3197480T, 211:8118983T, 332:1299875T, 333:1316375T	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E300 to E500 & 00N to 250N	Same location as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	

2c	Stripping ratio or ore to OB ratio	During the last year 216522 cum waste generation was proposed against the 150000T limestone production.	Approximately as proposed.
2d	Quantity of topsoil generation in m3	No top soil generation was proposed in the last year.	Not applicable.
2e	Quantity of overburden generation in m3	During the last year 216522 cum waste generation was proposed	Approximately same as proposed.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development is going on the same location as proposed but not going as per latest approved review & updation of mining plan(approved on 27/05/2016) hence violation of rule 13(1) of MCDR 1988 issued to the lessee for immediate rectification.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	During the last year 2015-16 total 150000t limestone production was proposed.	Actual production for the last year 2015-16 is 148535.8T	
3c	Recovery of sailable/usable mineral from ROM production	Approximately 95%	Same as per proposal	

3d	Quantity of mineral reject generation	During the last year 216522 cum waste generation was proposed against the 150000T limestone production.	Approximately same as proposed.
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable
3g	Grade of sub grade mineral generation	No proposal of subgrade mineral generation hence 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.	No proposal	Not applicable
3j	Provision of drilling and blasting in mineral benches	102mm hole drilling by wagon drill & ANFO explosive shall be used for blasting.	As per proposal.
3k	Provision of mining machineries in mineral benches	Excavator & tipper combination	Same as per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 06m height of each bench proposal.	At the top of pit benches were maintained as per proposal but central portion of pit bench height are not maintained as per proposal. Violation of rule 13(1) of MCDR 1988 issued to the lessee in this regard.

3m	Total area covered under excavation/pits	At the end of year 2015-16 total 4.21 Hectare area proposed under mining.	At present approximately 5.3 hectrare area under mining.
3n	Ore to OB ratio for the pit/mine during the year.	During the last year 216522 cum waste generation was proposed against the 150000T limestone production.	Approximately same as proposed.
3o	Total area put in use under different heads at the end of year	At the end of year 2015-16 total 4.21 Hectare area proposed under mining & 1.46 hect under roads	At present approximately 5.3 hectrare area under mining & 1.46 hect area under roads.
3p	Production of ROM mineral during the last five year period as applicable	Proposed production for the last five years: 2011-12:150000T, 2012-13:150000T, 2013-14:150000T, 2014-15:150000T, 2015-16:150000T	Actual production for the last five years: 2011-12:141916T, 2012-13:130040T, 2013-14:117856T, 2014-15:147624T, 2015-16:148535.8T
3q	General remarks of inspecting officers on method of mining etc.	Opencast	Opencast & production are within limit.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	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	0 to 100S & 300E to 400E	Same as per proposal.
4c	Number of dumps within lease area and outside of lease area	One active dump & two outside of the lease area	One active dump & two outside of the lease area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not under ultimate pit limit.	Not under ultimate pit limit.
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Two outside of the lease area	Two outside of the lease area
4g	Number of dumps established.	OB Dump established near entry road of mines	OB Dump established near entry road of mines
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	55m	55m
4j	Number of settling ponds	No proposal	Not applicable

#### 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.	Production is going on working benches	Production is going on working benches	
5b	Area under backfilling of mined out area	No proposal	N/A	
5d	Total area fully reclaimed and rehabilitated	1.9Ha	1.9Ha	

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	
6c	afforestation done (ha).	0.3Ha	0.3Ha	
6d	No. of saplings planted during the year	300	300	
6g	Cost incurred on watch and care during the year	Rs 12000	Rs 12000	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	300	300	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.3 Ha	0.3Ha	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatched after manual sorting grade wise.	ROM mineral dispatched after manual sorting grade wise.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines	Not proposed	N/A	



7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No specific issue of mineral conservation.
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes ,where encountered	Yes	
8b	Concurrent use or storage of topsoil	For planation	For Plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	
8h	Water sprinkling on roads to control airborne dust	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	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Annual return submitted for the year 2015-16 & Monthly return submitted up to the month Oct 2016.	Annual return submitted for the year 2015-16 & Monthly return submitted up to the month Oct 2016 for this year.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Given
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
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore	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)	01/11/2016				

**Date :**

**(DATA RAM GURJAR)**

Indian Bureau of Mines