

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SRM/LST-14

**Mine code :** 38HPR10024

- (i) Name of the Inspecting : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri D.K.Sinha, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 22/09/2016
- (v) Prev.inspection date : 15/12/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SANGRAH**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : HIMACHAL PRADESH  
District : SIRMUR  
Village : SANGRAH  
Taluka : SANGRAH  
Post office : SANGRAH  
Pin Code : 173023  
FAX No. : (01702)248271  
E-mail : NA  
Phone : (01702)248271
- (f) Police Station : SHRI RENUKAJI
- (g) First opening date : 10/05/1978
- (h) Weekly day of rest : SUN
2. Address for : SHRI - V. K. WALIA  
correspondance AT&PO-DADAHU, TEHSIL-RENUKA  
DISTT--SIRMUR , (HP)
3. (a) Lease Number : HPR0033
- (b) Lease area : 9.04
- (c) Period of lease : 10
- (d) Date of Expiry : 26/05/1988
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : V.K.WALIA  
 S/O SHRI BABU RAM WALIA  
 VILL & PO - DADAHU TEHSIL -  
 RENUKAJI SIRMUR HIMACHAL  
 PRADESH  
 Phone:  
 FAX :

Owner : V.K.WALIA  
 VILL & PO - DADAHU TEHSIL  
 - SHRI RENUKAJI DISTRICT -  
 SIRMOUR SIRMUR HIMACHAL  
 PRADESH  
 Phone: (01702) 267383  
 FAX : (01702) 267383

Agent : Shri V. K. Walia  
 Shri V. K. Walia VPO -  
 dadahu Tehshil - Renukaji  
 SIRMUR HIMACHAL PRADESH  
 Phone: 01702- 267383  
 FAX : 01702- 267383

Manager  
 Name : D. K. SINHA  
 Qualification : AMIE (MINING)  
 Appointment/ : 01/07/2008  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	25/08/1989
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	05/07/1996
		Mining Scheme rule 12 MCDR1988	29/10/2002
		Renewal under rule 22 MCR1960	30/10/2008
		Renewal under rule 22 MCR1960	30/10/2008
		FMCP under 23C(1)	05/07/2012
		Modif.of approved Mining Plan	07/09/2012

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	08 Bore holes were proposed during the Modified Mining Plan Period(2012-13 to 2016-17)	Nil, till inspection date.	Mining operation were temporary discontinued due to EC for last few years.After getting EC Mine was reopened recently.
1b	Exploration over lease area for geological axis 1 or 2	08 Bore Hole	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal regarding Exploration Agency & Expenditure in the approved MP.	None in view of above.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal given for balance area to be explored.	None	
1e	Balance reserve as on 01/04/20	Reserve as on 31-10-2011 as per Approved Modified Mining Plan(Approved on 07-09-2012) 111 : 1910378 MT, 121 : 0MT, 122 : 0MT, 221+222+331+332 : 5411242 MT	After Depleting the production up to 2015-16 in 111 category the position of reserve as on 01-04-2016 111 : 1860203 MT, 121 : 0MT, 122 : 0MT, 221+222+331+332 : 5411242 MT	
1f	General remarks of inspecting officers on geology, exploration etc	08 Bore holes were proposed during the Modified Mining Plan Period(2012-13 to 2016-17) by the lessee.	The same has not been carried out by the lessee till inspection date.Violation of Rule 13(1) of MCDR 1988 has been issued to the lessee in this regard.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	During the last year 2015-16 the Development was proposed in Two pits Pit1 & Pit3.	Mine development has not been carried out as per proposal given in approved mining plan.	Mining operation were temporary discontinues due to EC for last few years.After getting EC Mine was reopened recently.However violation letter of Rule 13(1) of MCDR 1988 issued to the lessee in this regard.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	0.18 Waste rock to Limestone ROM (cubic meter/MT)	Same as proposal.	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	During the last year 12980 cubic meter waste generation was proposed.	No waste was generated during the last year as mine was not working due to EC.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	During the last year 2015-16 the Development was proposed in Two pits Pit1 & Pit3.	Mine development has not been carried out as per proposal given in approved mining plan.	Mining operation were temporary discontinues due to EC for last few years.After getting EC Mine was reopened recently.However violation letter of Rule 13(1) of MCDR 1988 issued to the lessee in this regard.

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two Pits Pit 1 & Pit 3	The work was carried out at the proposed place.	

3b	Quantity of ROM mineral production proposed	During the year 2015-16 the 72600 MT was proposed.	1126 MT for the year 2015-16.	Mining operation were temporary discontinues due to EC for last few years.After getting EC Mine was reopened recently.
3c	Recovery of sailable/usable mineral from ROM production	90%	Approximately 90%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N/A	N/A	
3j	Provision of drilling and blasting in mineral benches	Yes,by Jack hammer & wagon drilling & Blasting by ANFO was proposed.	Jack hammer drilling & blasting by ANFO explosive as per proposal.	
3k	Provision of mining machineries in mineral benches	Hydraulic Excavators & JCB Dumpers 10T capacity	Hydraulic Excavators & JCB Dumpers 10T capacity	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Average Height of benches proposed are 10m .	Average Height of benches proposed are with irregular faces.	

3m	Total area covered under excavation/pits	At the end of MP period approximately 2.1034 Ha area will be covered under pits.	At the time of inspection approximately 2 hectares of area has been degraded so far due to mining.
3n	Ore to OB ratio for the pit/mine during the year.	0.18 Waste rock to Limestone ROM (cubic meter/MT)	Same as proposal.
3o	Total area put in use under different heads at the end of year	At the end of Plan period i.e 2016-17 Pit- 2.99 Ha. OB- 0.89 Hect,	Presently approximately following area has been covered Pit- 2 Ha. OB- 0.6 Ha,
3p	Production of ROM mineral during the last five year period as applicable	Proposed production for the last five years: 2011-12: 45000 MT, 2012-13: 77865 MT, 2013-14: 66799 MT, 2014-15: 68262 MT, 2015-16: 72600 MT	Actual production for the last five years: 2011-12: 4065 MT, 2012-13: 41839 MT, 2013-14: 18799 MT, 2014-15: MT, 2015-16: 1126 MT
3q	General remarks of inspecting officers on method of mining etc.		Production achieved has been within proposed limit.

---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Waste dump was proposed in North West part & North Eastern part of the lease area.	As per proposal.	

4c Number of dumps within lease area and outside of lease area Two WD1 & WD2 Same as per proposal.

---

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 proposal of Back filling.	Not applicable	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

---

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		
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.2 Hect	0.2 Hect	
6d	No. of saplings planted during the year	200	200	
6f	Any other method of rehabilitation	Nil	Nil	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The area is not matured for reclamation.
----	---	--

---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All the ROM is selabale in market.	All the ROM is selabale in market.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Nil	

---

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal.	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No adverse thing in this regards is observed.

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns submitted up to Oct 2016 & AR Submitted for the year 2015-16.	Submitted.	

---



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
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	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
Rule 13(1)	07/10/2016				
Rule 25	07/10/2016				

**Date :**

(DATA RAM GURJAR)

Indian Bureau of Mines