

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST - 35

Mine code : 38HPR10030

- (i) Name of the Inspecting : 001) K.K.TARDIA
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri D.K.Sinha, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 06/02/2018
- (v) Prev.inspection date : 23/09/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : BHOOTMARI
- (b) **Registration NO.** :
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BHOOT MARI
- Taluka : SANGRAH
- Post office : BARAG
- Pin Code : 173022
- FAX No. : (01702) 267383
- E-mail :
- Phone : (01702) 267383
- (f) **Police Station** : RENUKAJI
- (g) **First opening date** : 02/05/1985
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Shri V.K. Walia
Village & Post Office - Dadahoo
Tehsil - Renuka, Sirmour (H.P)
3. (a) **Lease Number** : HPR0070
- (b) **Lease area** : 32.57
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 24/04/2035
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 : Shri V. K. walia
 Shri V. K. Walia VPO -
 Dadahu Tehshil - Renukaji
 SIRMUR HIMACHAL PRADESH
 Phone: 01702 - 67383
 FAX :

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

Mining Engineer
 Name : AMIT KUMAR, Full Time
 Qualification : B.E. MINING
 Appointment/ : 20/09/2003 01/07/2008
 Termination date

Mining Engineer
 Name : D.K.SINHA, Full Time
 Qualification : B.E. MINING
 Appointment/ : 01/07/2008
 Termination date

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

Manager
 Name : AMIT KUMAR
 Qualification : B.TECH
 Appointment/ : 20/09/2003 01/07/2008
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Existing rule 11 MCDR1988 01/08/1990
 Mining Scheme rule 12 MCDR1988 24/02/1997
 Mining Scheme rule 12 MCDR1988 17/01/2003
 Renewal under rule 22 MCR1960 30/10/2008
 Renewal under rule 22 MCR1960 30/10/2008
 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	Two bore holes were proposed	Not done	Violation has been pointed out.
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	na	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	na	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	na	
1e	Balance reserve as on 01/04/20	3623814 tonne	3534198 tonne	
1f	General remarks of inspecting officers on geology, exploration etc		Exploration not done as proposed. Violation has been pointed out.	Exploration not done as proposed. Violation has been pointed out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit A from 1300MRL to 1480mRL.	As per proposal	
2d	Quantity of topsoil generation in m3	Not proposed Not proposed	NA	
2e	Quantity of overburden generation in m3	11010 Cub m	10000cubm	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Almost as per proposal.	Almost as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit A	As per proposal	
3b	Quantity of ROM mineral production proposed	95525 tonne	80505tonne	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	Nil	na	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	na	
3f	Quantity of sub grade mineral generation.	Nil	na	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	MANNUAL	MANNUAL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	na	
3j	Provision of drilling and blasting in mineral benches	DRILL WITH JACK HAMMERWIT AIR COMPRESSOR	As per proposal	
3k	Provision of mining machineries in mineral benches	Excavator, Jcb and dumper	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	10 m	10 m	

3m	Total area covered under excavation/pits	9.57 hect	6hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	1:0.1	
3o	Total area put in use under different heads at the end of year	Pit-9.57 Waste/reject 1.86	Pit-6 Waste/reject1.3	
3p	Production of ROM mineral during the last five year period as applicable	Yr-2012- 13=13825 Yr-2013- 14=205217 Yr-2014-15 =235610	4065 18799 nil 14457 80505	
		Yr-2015- 16=245351 Yr-2016- 17=250000t		
3q	General remarks of inspecting officers on method of mining etc.		Method of mining is suitable as per deposit.Mining operation were reopen from 7.1.2016.	Method of mining is suitable as per deposit.Mining operation were reopen from 7.1.2016.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	As per proposal	
4b	Location of topsoil, OB and mineral reject dumps	Extreme north waste part of the area.	As per proposal	
4c	Number of dumps within lease area and outside of lease area	5 dumps within lease area.	As per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The area selected the out side the UPL.	As per proposal	

4e	Number of active and alive dumps.	1	1
4f	Number of dead dumps.	1	1
4g	Number of dumps established.	1	1
4i	Length of Retaining wall or garland drain all along dumps	86m	100m
4k	Specific comments of inspecting officer on waste dump management		Almost 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.	Backfilling is Nil not proposed during the period of mine plan	Nil	
5b	Area under backfilling of mined out area	Nil	na	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	na	
5d	Total area fully reclaimed and rehabilitated	Nil	na	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet not mature	Area yet not mature	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not submitted	Violation pointed out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP compliance report not submitted , violation pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	250000t	80505t	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	MANUAL	
7c	Different grade of mineral sorted out at mines.	Not proposed	na	
7d	Any beneficiation process at mines .	None at present	na	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Method of grade-wise mineral sorting is manually.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Insignificant QUANTITY of soil is generated.	AS PER proposal.	

8b	Concurrent use or storage of topsoil	Not proposed.	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Future plantation shall be carried out over dumps.	Some of the waste is being utilised for construction of check dams and retaining walls	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	As per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	yes	
8g	Survival rate	70%	60%	
8h	Water sprinkling on roads to control airborne dust	YES BY WATER TANKER	YES BY WATER TANKER	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		aesthetic beauty in and around mines are good.	aesthetic beauty in and around mines are good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto-Monthly return up to Nov.2017 A.R. submitted up to 2016-17	M.R. Submitted upto-Monthly return up to Nov.2017 A.R. submitted up to 2016-17	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details GIVEN in A.R	Yes,given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes,given	Yes,given
9d	Scrutiny of Annual return on afforestation	Yes,given	Yes,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 :**(K.K.TARDIA)**

Indian Bureau of Mines