

**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 : **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 : 23/09/2016
- (v) Prev.inspection date : 15/02/2016

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 : Shri V.K. Walia
correspondance Village & Post Office - Dadahoo
Tehsil - Renuka, Sirmour (H.P)
3. (a) Lease Number : HPR0070
(b) Lease area : 32.18
(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 : Existing rule 11 MCDR1988 01/08/1990
Plan/Scheme of Mining 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	13 Bore holes were proposed during the approved Modified Mining Plan Period i.e. 2012-13 to 2016-17.	Nil, till inspection. Violation of Rule 13(1) issued to the lessee in this regard.	Mining operation were temporary discontinued due to EC for last few years. After getting EC mine was reopened on 07-01-2016.
1b	Exploration over lease area for geological axis 1 or 2	13 Bore Holes	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal regarding exploration agency & expenditure in the approved Modified MP.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Most of the lease area has already been exposed by the existing mine working. Exploration was proposed to prove the deposit at the Depth.	Nil	
1e	Balance reserve as on 01/04/20	As per approved Modified MP the position of reserve & resources of Limestone as on 31.10.2011 111:3623814 Tonnes 121:501563(Dolomatic LS) 221:6480216 221:11919938(Dolomatic LS) 222:1867297 333:1867248 333:427152803(Dolomatic LS)	The position of reserve as on 01-04-2016 after depleting the production from 111 category: 111:3534198 Tonnes 121:501563(Dolomatic LS) 221:6480216 221:11919938(Dolomatic LS) 222:1867297 333:1867248 333:427152803(Dolomatic LS)	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mining was proposed in a Pit A from 1300mRL to 1480mRL.	One pit having was observed at the same location as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	All the benches are in mineral.	Same as proposed.	
2c	Stripping ratio or ore to OB ratio	0.10 (OB to Ore)	Approximately same asp proposed.	
2d	Quantity of topsoil generation in m3	No proposal for top soil generation.	Nil	
2e	Quantity of overburden generation in m3	During the last year 11111 cubic meter waste generation was proposed.	Very less amount of waste was generated during the last year as mine was reopened on 07-01-2016 after getting Environment Clearnce.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	During the year 2015-16 development was proposed in a Pit A from 1300mRL to 1480mRL.	Mine development work not commensurate with the proposal made in approved modified mining plan, hence violation of Rule 13(1) of MCDR 1988 has been issued to the lessee for immedaite rectification.	Mining operation were temporary discontinues due to EC for last few years.After getting EC mine was reopened on 07-01-2016.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit namely Pit A.	One pit .	
3b	Quantity of ROM mineral production proposed	During the last year 2015-16 total 245351 tonnes of limestone production was proposed.	14457 tonnes of production was achieved during the last year.	Mining operation were temporary discontinues due to EC for last few years.After getting EC mine was reopened on 07-01-2016.
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.	Not applicable	Not applicable
3f	Quantity of sub grade mineral generation.	Nil	Nil
3g	Grade of sub grade mineral generation	N/A	N/A
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.	N/A	N/A
3j	Provision of drilling and blasting in mineral benches	Yes, Drilling by Jack hammer & wagon drill & blasting by ANFO was proposed.	Jack hammer drilling and blasting by ANFO explosive as per proposal.
3k	Provision of mining machineries in mineral benches	Hydraulic Excavators, JCB & Dumpers of 10 T capacity in mines.	Hydraulic Excavators, JCB & Dumpers of 10 T capacity in mines.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Benches were proposed 10m height.	During the development height of benches were not maintained up to 10m at few places. Violation letter has been issued in this regard.
3m	Total area covered under excavation/pits	At the plan period i.e. 2016-17 total 9.57 Hectare area will be covered under mining.	Approximately 6 Hect area has been covered under mining.
3n	Ore to OB ratio for the pit/mine during the year.	10:1	Approximately same as proposed.

3o	Total area put in use under different heads at the end of year	At the end of MP period approximately 9.57 Hect area will be covered under mining & 1.86 hect under waste dumps.	Approximately 6 Hect area has been covered under mining & 1.3 hectare under waste dumps.
3p	Production of ROM mineral during the last five year period as applicable	Proposed production for the last five years: 2011-12:75000 T, 2012-13:138254T, 2013-14: 205217 T, 2014-15 : 235610 T 2015-16: 245351 T	Actual production for the last five years: 2011-12:4065 T, 2012-13:41839T, 2013-14: 18799 T, 2014-15 :Nil 2015-16: 14457 T
3q	General remarks of inspecting officers on method of mining etc.	Opencast	Opencast & production are within limit.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Separate dumping of waste has been carried out as per proposal.	
4b	Location of topsoil, OB and mineral reject dumps	As per proposals contained in the approved Modified mining plan the waste will be dumped in the extreme North West part of the lease area.	Dumping has been carried out as per proposals.	

4c	Number of dumps within lease area and outside of lease area	As per proposal given in approved mining plan five waste are there namely A,B,C,D & E within lease area.	Same as proposed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The area selected are outside of ultimate pit limit & non mineralized ground.	Same as proposed.	
4e	Number of active and alive dumps.	04 waste dumps namely A,C,D & E.	04 waste dumps namely A,C,D & E.	
4f	Number of dead dumps.	One namely B	One namely B	
4h	Whether Retaining wall or garland drain all along dumps are there.	proposal given for retaining wall, water drains & check dams.	Yes retaining wall & check dams are made.	
4i	Length of Retaining wall or garland drain all along dumps	88m proposed	made as per requiremnts.	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			Waste dumps carried out as per proposals.

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	Nil	

5b	Area under backfilling of mined out area	No proposal for back fillinf during this modified mining plan period.	N/A
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top soil generation was proposed, hence not applicable.	Not applicable.
5d	Total area fully reclaimed and rehabilitated	During the last year 2015-16 rehabilitation of barren area outside of the lease area has been proposed by plantation at 0.5 Ha area.	Partially has been carried out as mine was reopened on 07-01-2016 after getting EC.

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	Submitted	
6b	Area available for rehabilitation (ha) .	During the last year 2015-16 rehabilitation of barren area outside of the lease area has been proposed by plantation at 0.5 Ha area.	Partially has been carried out as mine was reopened on 07-01-2016 after getting EC.	
6c	afforestation done (ha).	500	500	
6f	Any other method of rehabilitation	None	None	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Works has been carried out as per proposal given in PMCP.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting	Manual sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7d	Any beneficiation process at mines .	None	None	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual sorting is being carried out & no beneficiation in mine.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of top soil generation hence not applicable.	N/A	
8b	Concurrent use or storage of topsoil	No proposal	N/A	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As per PMCP	As per PMCP.	
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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR Submitted for the year 2015-16 & MR submitted up to Oct 2016.	AR Submitted for the year 2015-16 & MR submitted up to Oct 2016.	AR Submitted for the year 2015-16 & MR submitted up to Oct 2016.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given in this regard	Given.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	detais given.	
9d	Scrutiny of Annual return on afforestation	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
9h	Scrutiny of Annual return on fixed assets	Given	Given
9k	Scrutiny of Annual return on mining machineries	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				

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines