

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT
Dehradun regional office

Mine file No : HP/SRM/LST - 35

Mine code : 38HPR10030

- (i) Name of the Inspecting Officer and ID No. : 002) DAMODAR PRASAD SHARMA
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine Official with Designation : Shri D.K.Sinha, Mine Manager
- (iv) Date of Inspection : 26/09/2019
- (v) Prev.inspection date : 28/09/2018

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHOOTMARI
- (b) Registration NO. : IBM/7177/2011
- (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 : supriyank@msn.com
Phone : (01702) 267383
- (f) Police Station : RENUKAJI
- (g) First opening date : 02/05/1985
- (h) Weekly day of rest : SUN
2. Address for correspondence : Shri V.K. Walia
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
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
	MP modif under 17(3) MCR 2016	26/04/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed during yera 2018-19.	No exploration proposed during yera 2018-19.	
1b	Exploration over lease area for geological axis 1 or 2	No Exploration Proposed during year 2018-19.	No Exploration Proposed during year 2018-19.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal given for balance area to be explored.	No proposal given for balance area to be explored.	
1e	Balance reserve as on 01/04/20	Balance reserve as on 01/04/2019 111-3.41 Million Tonnes 222-1.86 Million Tonnes 221-6.646 Million Tonnes 333-1.867 Million Tonnes	Balance reserve as on 01/04/2019 111-3.41 Million Tonnes 222-1.86 Million Tonnes 221-6.646 Million Tonnes 333-1.867 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	No Exploration Proposed during year 2018-19.	No Exploration Proposed during year 2018-19.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	During the year 2018-19, the development was proposed in Pit A .Mining was proposed by forming of 10 mtrs benches from 1380 Mrt to 1280 Mrl.	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	All the benches are in mineral	
2c	Stripping ratio or ore to OB ratio	01:00.0	01:00.0	
2d	Quantity of topsoil generation in m3	NIL	NIL	No Top soil present in this mine .
2e	Quantity of overburden generation in m3	As per proposals approximately 9197 cum of waste was anticipated during the year 2018-19.	Approximately 4500 cum of interburden waste has been generated during the year 2018-19.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	During the year 2018-19, the development was proposed in Pit A.Mining was proposed by forming of 10 mtrs benches from 1380 Mrt to 1280 Mrl.	Mine development work was carried out as per proposal.But width of the benches not maintained as per proposal.	Violation point out as per rule 11(1) of MCDR-2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	Limestone production proposed 205127 Tonnes during year 2018-19.	Production 93540 Tonnes during year 2018-19.	
3c	Recovery of sailable/usable mineral from ROM production	Approximately 95 %	Approximately 95 %	
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.	Not Applicable	Not Applicable	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	Not Applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Applicable	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Yes	Jack hammer drill with 32 mm dia and Wagon Drill machine 83 mm dia deployed for drilling operation .Blasting carried out with use of AN explosive in mine.	
3k	Provision of mining machineries in mineral benches	yes	Hydraulic excavator L&T PC-210 with bucket capacity 0.90 cum deployed for limestone loading operation.	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Height of benches suitable for method of proposed mining.	
3m	Total area covered under excavation/pits	Total area 14.23 hectares at end of the plan period 2021-22.	Approximately 6.5 hectares of area has been burought under excavation.	
3n	Ore to OB ratio for the pit/mine during the year.	01:00.0	01:00.0	No overburden present in this mine only interburden present in this mine.
3o	Total area put in use under different heads at the end of year	14.23 hectares at the end of the plan period.	Approximately 9.5 hecteres of area has been covered under different heads.	
3p	Production of ROM mineral during the last five year period as applicable	Year 2014-15 235610 Tonnes Year 2015-16 250000 Tonnes Year 2016-17 250000 Tonnes Year 2017-18 138524 Tonnes Year 2018-19 205127 Tonnes	Year 2014-15 0 Tonnes Year 2015-16 14457 Tonnes Year 2016-17 80505 Tonnes Year 2017-18 107944 Tonnes Year 2018-19 93540 Tonnes	No excess production has been achieved than proposal during the last five year.
3q	General remarks of inspecting officers on method of mining etc.	Method of mining suitable as per deposit condtion.HEMM use for mining operation.Excavator deployed for limestone loading operation and tippers used for transportation of limestone.	Method of mining suitable as per deposit condtion.HEMM use for mining operation.Excavator deployed for limestone loading operation and tippers used for transportation of limestone.	

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 proposal.	
4b	Location of topsoil, OB and mineral reject dumps	Dumps is proposed in the westren part of the lease on non mineralised ground.	Dumping is carried out at earmarked place.	
4c	Number of dumps within lease area and outside of lease area	As per proposals five dumps have been proposed	At the time of inspection 3 active dumps observed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Westren part of the lease.	Westren part of the lease.	
4e	Number of active and alive dumps.	Three active dumps, However, as per proposals dumps are temporary in nature and will be used for the proposed of reclamation.	At the time of inspection two dumps were observed and some part of the waste is being used for construction of check dams and parapet wall.	
4f	Number of dead dumps.	2	2	
4g	Number of dumps established.	NIL	NIL	
4h	Wnether Retaining wall or garland drain all along dumps are there.	102	Retaining wall was being repaired at time of inspection.	
4i	Length of Retaining wall or garland drain all along dumps	102	Retaining wall was being repaired at time of inspection.	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste cump management	Dumping of waste as per proposal.	Dumping of waste 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 for backfilling in year 2018-19.	No Proposal for backfilling in year 2018-19.	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Applicable	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	1.016 ha area proposed for rehabilitation during the year 2018-19 by developing green belt.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposal for backfilling in year 2018-19. Backing of mined out area is not proposed.	No Proposal for backfilling in year 2018-19.	

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).	Not Submitted	Not Submitted	PMCP report of year 2018-19 not submitted ,violation point out as per rule 26(2).
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	

6c	afforestation done (ha).	Not Applicable	Not Applicable
6d	No. of saplings planted during the year	200 and grass plantation	200
6e	Cumulative no .of plants	10000	10050
6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	0.50 Lakh	0.50 Lakh
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not Applicable	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Applicable	Not Applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals incorporated	Proposals being implemented.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report year 2018-19 not submitted. Violation Point out as per rule 26(2).	PMCP report year 2018-19 not submitted. Violation Point out as per rule 26(2).

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All the ROM salable in the market. no grade-wise sorting proposed within lease area.	All the ROM salable in the market.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable
7d	Any beneficiation process at mines	Not Applicable	Not Applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No grade-wise sorting done in the mine.	No grade-wise sorting done in the mine.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Applicable	Not Applicable	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	No topsoil present in this mine.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposals are incorporated.	Proposals are incorporated.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Waste is being used for construction of check dams and parapet walls.	Waste is being used for construction of check dams and parapet walls.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Grass plantation is proposed.	Grass plantation is proposed.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposals are incorporated.	Proposals are being implemented.
8g	Survival rate	Survival rate approximately 50 to 55%.	Survival rate approximately 50 to 55%.
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed.	occasionally water sprinkling on haul roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is maintained except degradation of land.	Aesthetic beauty is maintained except degradation of land.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly and Annual returns submitted .	All Monthly and Annual returns submitted .	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information is given.	Information is given.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information Given	Information Given	

9d	Scrutiny of Annual return on afforestation	Information Given	Information Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Applicable	Not Applicable
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information Given	Information Given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information Given	Information Given
9h	Scrutiny of Annual return on fixed assets	Information Given	Information Given
9k	Scrutiny of Annual return on mining machineries	Information Given	Information 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
MCDR17	Rule 11(1)	24/10/2019			
Rule 26(2)		24/10/2019			

Date : 06.02.2020.



(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines