

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-17

Mine code : 38HPR10010

- (i) Name of the Inspecting : 002) DAMODAR PRASAD SHARMA
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. D.K Sinha , Mine Manager
Official with
Designation
- (iv) Date of Inspection : 28/09/2019
- (v) Prev.inspection date : 15/12/2015

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BORLI (DURGA)
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : BORLI
Taluka :
Post office :
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date : 01/06/1984
- (h) Weekly day of rest : SUN
2. Address for : KUNWAR MRIGENDRA SINGH
correspondance VILL-BORLI, POST-SANGRAH
TEH-RENUKA, SIRMOUR, HP
3. (a) Lease Number : HPR0073
- (b) Lease area : 7.74
- (c) Period of lease : 50
- (d) Date of Expiry : 19/04/2034
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : KUNWAR MRIGENDRA SINGH
SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Owner : KUNWAR MRIGENDRA SINGH
VILL-BORLI, POST-SANGRAH
TEH-RENUKA, SIRMOUR, HP
SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Agent : VINAY SHARMA
BHAI HOUSE NEAR VILLA
ROUND, NAHAN DISTRICT -
SIRMOUR SIRMUR HIMACHAL
PRADESH
Phone:
FAX :

6. Date of approval of Mining
Plan/Scheme of Mining

: Existing rule 11 MCDR1988	09/03/1990
Mining Scheme rule 12 MCDR1988	12/01/1998
FMCP under 23C(1)	19/10/2012
MP modif under 17(3) MCR 2016	02/02/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two pit proposed for exploration in year 2017-18.	Exploration was not carried out as per proposal.	Mine is not working from 2003 to 2019 due to want EC.only 03 days working during year 2018-19.
1b	Exploration over lease area for geological axis 1 or 2	G1-1.308782 Million Tonnes, G-2 0.117525 Million Tonnes	G1-1.308782 Million Tonnes, G-2 0.117525 Million Tonnes	
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 incorporated	No proposal incorporated	
1e	Balance reserve as on 01/04/20	Minerals reserve under 111 1.308199 Million Tonnes Under 121& 122 0.117525 Million Tonnes	Minerals reserve under 111 1.308199 Million Tonnes 121& 122 0.117525 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	No Exploration proposal during year 2018-19.	No Exploration proposal during year 2018-19.	Mine is not working from 2003 to 2019 due to want EC.only 03 days working during year 2018-19.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Mine development proposed in one pit in between local coordinate N 1535 to N 1635 and E 1640 to E 1803 in south direction.	Mining development was not carried out as per proposal.Mine was not working from 2003 to 2019 due to want EC.only 03 days working during year 2018-19.	Mining development was not carried out as per proposal.Mine was not working from 2003 to 2019 due to want EC.only 03 days working during year 2018-19.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1 :0	1 : 0	
2d	Quantity of topsoil generation in m3	0	0	No top soil present in this mine.
2e	Quantity of overburden generation in m3	705 cum	0 Cum	Mining operation was not carried out as per proposal.Mine was not working from 2003 to 2019.only 03 days working during year 2018-19.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Mine development was not carried out as per proposal.Mine was not working from 2003 to 2019.only 03 days working during year 2018-19.	Mine development was not carried out as per proposal.Mine was not working from 2003 to 2019.only 03 days working during year 2018-19.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	33487 Tonnes	0 Tonnes	Mining operation was not carried out as per proposal.Mine was not working from 2003 to 2019. Only 03 days working during year 2018-19.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	All Rom Saleable in the market.
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	No Mineral reject present in this mine.
3e	Grade of mineral rejects generation and threshold value declared.	Grade: Threshold value: CaO >34%, MgO <5%	Not Applicable	No minerals reject present in this mine.
3f	Quantity of sub grade mineral generation.	Not Applicable	Not Applicable	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	No sub grade mineral generated in this mine.
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	Drilling operation carried out by using Jack hammer machine. 30mm dai hole drill uo th depth 1.5 mtr	Mining operation was not carried out as per proposal.Mine was not working from 2003 to 2019. Only 03 days working during year 2018-19.	Mining operation was not carried out as per proposal.Mine was not working from 2003 to 2019. Only 03 days working during year 2018-19.
3k	Provision of mining machineries in mineral benches	Hydraulic excavator and JCB machine deployed for construction of haul road and loading of limestone from mine face.	Hydraulic excavator and JCB machine deployed for construction of haul road and loading of limestone from mine face.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, 6mtr height limestone benches proposed.	Yes, 6mtr height limestone benches proposed.	
3m	Total area covered under excavation/pits	0.8 ha	0.8 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:00	1:00	No overburden generated during year 2018-19.
3o	Total area put in use under different heads at the end of year	1.81 ha during plan period.	1.81 ha during plan period.	

3p	Production of ROM mineral during the last five year period as applicable	2014-15 0 Tonnes 2015-16 0 Tonnes 2016-17 0 Tonnes 2017-18 32062 Tonnes 2018-19 33487 Tonnes	2014-15 0 Tonnes 2015-16 0 Tonnes 2016-17 0 Tonnes 2017-18 0 Tonnes 2018-19 583 Tonnes	Mine was not working since a long time . Mine operation started in this year. Approached road and haul road development work is carried out. only 03 days working during year 2018-19. No excess production observed.
3q	General remarks of inspecting officers on method of mining etc.	Mine was not working since a long time . Mine operation started in this year. Approached road and haul road development work is carried out. only 03 days working during year 2018-19.	Mine was not working since a long time . Mine operation started in this year. Approached road and haul road development work is carried out. only 03 days working during year 2018-19.	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposal incorporated	No Proposal incorporated	
4b	Location of topsoil, OB and mineral reject dumps	Not Applicable	Not Applicable	No proposals of separate dumping of topsoil, OB and minerals reject not incorporated in mining plan.

4c	Number of dumps within lease area and outside of lease area	0	0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	0	0	
4f	Number of dead dumps.	1	1	one dead dump observed.
4g	Number of dumps established.	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Applicable	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Not Applicable	
4j	Number of settling ponds	0	0	
4k	Specific comments of inspecting officer on waste dump management	small quantity waste generate which use for haul road construction. No active dump present in this mine.	small quantity waste generate which use for haul road construction. No active dump present in this mine.	small quantity waste generate which use for haul road construction. No active dump present in this mine.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Applicable	Not Applicable	No proposals incorporated in this regards.

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	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet to not maturated for reclamation.	Area yet to not maturated for reclamation.

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	PMCP report not submitted , violation point out as per rule of 26(2) of MCDR-2017	PMCP report not submitted , violation point out as per rule of 26(2) of MCDR-2017
6b	Area available for rehabilitation (ha) .	0.591 ha	0.591ha	
6c	afforestation done (ha).	15	Plantation was not carried as per proposal. Violation point out as per rule 11(1) of MCDR 2017	Plantation was not carried as per proposal. Violation point out as per rule 11(1) of MCDR 2017

6d	No. of saplings planted during the year	15	0	Plantation was not carried out as per proposal. Violation point out as per rule 11(1) of MCDR 2017
6e	Cumulative no .of plants	90	75	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	2000	2000	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x 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

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	
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 sub grade mineral present in this mine and all the ROM saleable in the market. There is no issue regarding Mineral conservation in this mine.

No sub grade mineral present in this mine and all the ROM saleable in the market. There is no issue regarding Mineral conservation in this mine.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Applicable	Not Applicable	No topsoil present in this mine.
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable	No proposals incorporated in this regards.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposals incorporated.	No proposals incorporated.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Applicable	Not Applicable	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Basline information provided.	Baseline information provided.	
8g	Survival rate	60 to 70 %	50 to 60 %	Survival rate
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on road for dust suppression.	Water sprinkling on road for dust suppression.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mine was not working from 2003 to 2019. Only 03 days working during year 2018-19	Aesthetic environment is good except degradation of land due to excavations of pits.	Aesthetic environment is good except degradation of land due to excavations of pits.

Compliance of Rule 45:

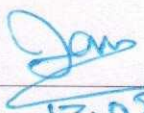
Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly Returns and Annual Return for year 2018-19 submitted.	All Monthly Returs and Annual Return for year 2018-19 submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information Given	Mine Manager and Mining Engineer Mr.D.K Sinha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not Applicable	Not Applicable	
9d	Scrutiny of Annual return on afforestation	Planation was not carried out as per proposals.	Planation was not carried out as per proposals.Violation Point out as per rule 11(1) of MCDR-2017.	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information Given	Information Given
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	Ex Mine Price is not correct.	Ex Mine Price is not correct. Violation point out as per Rule 45(7) of MCDR-2017.
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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	25/10/2019			
MCDR17	Rule 26(2)	25/10/2019			
MCDR17	Rule 33	25/10/2019			
MCDR17	Rule 45(7) (a)	25/10/2019			

Date : 13-08-2020


13.08.2020
(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines

