

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-14

Mine code : 38HPR10024

- (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 : 02/12/2018

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 : 8.06
- (c) Period of lease : 50
- (d) Date of Expiry : 17/05/2028
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 TEHSHIL
 - 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 Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	25/08/1989
		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	02 bore holes proposed during year 17-18.	Exploration not carried out.	
1b	Exploration over lease area for geological axis 1 or 2	No proposal incorporated in MMP	No proposal incorporated in MMP	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Exploration Proposed during year 2018-19.	No Exploration Proposed during year 2018-19.	No Exploration carried out during year 2018-19
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	1.955 Million Tonnes	1.955 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	No Exploration Proposed during year 2018-19.	No Exploration carried out 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 Two pits. Pit 1 and Pit 3. The mining is proposed in Pit 1 by forming 2 benches in limestone and Pit 3 by forming 2 benches in limestone.	Development was carried out as per proposal in Pit 3. Two benches developed from 1740 mrl to 1720 mrl in pit 3. JCB deployed for development work in pit 3. In pit 1 development was not carried as per proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Applicable	Not Applicable	
2c	Stripping ratio or ore to OB ratio	1 : 0.07	1 : 0.07	
2d	Quantity of topsoil generation in m3	Nil	Nil	No top soil present in this mine.
2e	Quantity of overburden generation in m3	4941 M3	During year 2018-19 Approximately 3280 m3 OB generate in mine.	
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 Two pits. Pit 1 and Pit 3.	Development has been carried out as per proposal in Pit 3. proposal given in approved modified mining plan. Development was not carried as per proposal in Pit 1.	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	Two Pits, Pit 1 and Pit 3.	Two Pits, Pit 1 and Pit 3.	

3b	Quantity of ROM mineral production proposed	70000 Tonnes	61790 Tonnes during year 2018-19.	
3c	Recovery of sailable/usable mineral from ROM production	95 %	Recovery of Saleable mineral from ROM is 95%.	
3d	Quantity of mineral reject generation	Nil	Nil	No Minerals reject present in this mine.
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	No Sub grade mineral present in this mine.
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 and Wagon drill machine use for drilling operation.	Jack Hammer drill used for drilling of limestone benches. 25 to 30 mm hole drilled by jack hammer in Pit 3 . Hole blast by using ANFO explosive and Safety fuse.	Jack Hammer drill used for drilling of limestone benches. 25 to 30 mm hole drilled by jack hammer in Pit 3 . Hole blast by using ANFO explosive and Safety fuse.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, Suitable	Yes, Suitable		
3m	Total area covered under excavation/pits	Area covered under excavation 1.871 ha	Total Area Covered under excavation is 1.120 ha.		
3n	Ore to OB ratio for the pit/mine during the year.	1:0.07	1:0.05		
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of plan period is 5.3165 ha	Total area put in use under different heads at the end of plan period is 5.3165 ha		
3p	Production of ROM mineral during the last five year period as applicable	Year 2015-16 72600 Tonnes Year 2016-17 81053 Tonnes Year 2017-18 75728 Tonnes Year 2018-19 70000 Tonnes	Year 2015-16 1126 Tonnes Year 2016-17 64702 Tonnes Year 2017-18 79236 Tonnes Year 2018-19 61790 Tonnes		Excess production observed during year 2017-18 for which violation point out as per rule 11(1) of MCDR-2017.
3q	General remarks of inspecting officers on method of mining etc.	Method of mining suitable as per proposal.	Mining method suitable for development and production as per proposal .Drilling and blasting operation use for production 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)	01 dump within lease area and 01 dump outside lease area.	01 dump within lease area and 01 dump outside lease area.	

4b	Location of topsoil, OB and mineral reject dumps	Waste dump proposed in North west part & North eastern part of the lease area. Area proposed of dump in WD2 3389m ² with dump height of 4m	Dumping of Interburden as per proposal. Area of dump in WD2 6170 Tonnes OB with dump height of 4m
4c	Number of dumps within lease area and outside of lease area	01 dump within lease area and 01 dump outside lease area.	01 dump within lease area and 01 dump outside lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump proposed in North west part & North eastern part of the lease area.	Dumping of Interburden as per proposal.
4e	Number of active and alive dumps.	2	1
4f	Number of dead dumps.	1	1
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	100 mtr	100 mtr
4j	Number of settling ponds	100 mtr	100 mtr retaining wall prepared along the ob dump.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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	No top soil present in this mine.
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposal for backfilling in year 2018-19.	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	Annual PMCP report not submitted, for which violation point out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	Grass Plantation proposed	Grass Plantationcarried out.	
6d	No. of saplings planted during the year	Nil	Nil	

6e	Cumulative no .of plants	400	400
6f	Any other method of rehabilitation	Not Applicable	Not Applicable
6g	Cost incurred on watch and care during the year	15000	12000
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 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
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	0.14 ha	0.14 ha

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	Afforestation	Afforestation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitorned	Monitorned	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The area is not matured for reclamation.	The area is not matured for reclamation.	The area is not matured for reclamation. Annual PMCP report not submitted, for which violation point out under rule 26(2) of MCDR 2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Applicable	Not Applicable	No sorting proposed within lease area.
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 mineral reject and sub grade mineral present in this mine.	No mineral reject and sub grade mineral present in this mine.	No issue observed of 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 top soil 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)	overburden/int erburden dupmed as per proposal.	overburden/interburden dupmed as per proposal.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	
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)	Baseline information done	Baseline information done
8g	Survival rate	60% Surived rate of Planation	60% Surived rate of Planation
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust surpression.	Water sprinkling on haul road for dust surpression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No adverse thing regards environmental is observed. Expect land degradation.	No adverse thing regards environmental is observed. Expect land degradation.

Compliance of Rule 45:


Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All monthly and annual return of year 2018-19 submitted.	All monthly and annual return of year 2018-19 submitted .	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Mine Manager Appointed.	Mining Engineer Mr. D.K Sinha Mine Manager Mr. D.K Sinha	
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)	Information Given	Information Given	No mineral reject present in this mine
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	Ex mine price is 320 rs/tonne, Sale Value is 475 rs/tonne.	Ex Mine Price and sale value of limestone is within limit.
9h	Scrutiny of Annual return on fixed assets	Information Given	Information Given	
9k	Scrutiny of Annual return on mining machineries	Information Given	Information Given	Explosive consumption not indicated in Annual Return. Violation point under rule 45(7) for the same.

Details of violations observed during current inspection and compliance position of violation pointed out

Rule NO.	Violation observed	Issued on	Compliance on	Rule NO.	Show couse position	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 : 23.05.2020


23.05.2020
(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines