

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-1

Mine code : 38HPR10048

- (i) Name of the Inspecting : 002 ) DAMODAR PRASAD SHARMA  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Kuldeep Chaudhary, Representative of Owner  
Official with  
Designation
- (iv) Date of Inspection : 23-DEC-19
- (v) Prev. inspection date : 16-APR-19

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHARLI
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : HIMACHAL PRADESH  
District : SIRMUR  
Village : BHARLI  
Taluka : PAONTA SAHIB  
Post office : NAGETA  
Pin Code :  
FAX No. :  
E-mail :  
Phone : (01704)-23396
- (f) Police Station :
- (g) First opening date : 15-APR-65
- (h) Weekly day of rest : SUN
2. Address for : M/S AGIA RAM & SONS, AGENT- KRINESH JUNG  
correspondance : BAGANDHAR ROAD , PAMTA SAHIB  
DISTRICT- SIRMOUR (H.P)
3. (a) Lease Number : HPR0049
- (b) Lease area : 14.1
- (c) Period of lease : 20
- (d) Date of Expiry : 20-FEB-05
- Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : AGIA RAM & SONS  
 VILL-GANGUWALA TEHSIL-  
 PAONTA SAHIB SIRMOUR SIRMUR  
 HIMACHAL PRADESH  
 Phone:  
 FAX :

Owner : AGIA RAM  
 SIRMUR HIMACHAL PRADESH  
 Phone:  
 FAX :

Agent : Krinesh Jung  
 Village - Heerapur Paonta  
 Bagran Road Paonta sahib  
 SIRMUR HIMACHAL PRADESH  
 Phone: (01704) - 23396  
 FAX :

## Mining Engineer

Name : R. S. Singh, Full Time  
 Qualification : AISM  
 Appointment/ :  
 Termination date

## Manager

Name : R. S. Singh  
 Qualification : AISM  
 Appointment/ :  
 Termination date

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

: Renewal under rule 22 MCR1960  
 Existing rule 11 MCDR1988  
 Mining Scheme rule 12 MCDR1988

05-MAR-90  
 16-JUN-95  
 12-OCT-00

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal incorporated preveious year	No proposal incorporated preveious year	No proposal incorporated preveious year
1b	Exploration over lease area for geological axis 1 or 2	As per approved modified mining plan G-1 3.47 ha and G-4 1.01 ha. The modified mining plan of this mine was approved on dated 19.05.2019. As per proposals during year 2019-20 6 nos bore holes proposed .	No exploration work was not carried out. Violation point out to mining lease holder under rule 11(1) and 12(4A) of MCDR-2017.	No exploration work was not carried out. Violation point out to mining lease holder under rule 11(1) and 12(4A) of MCDR-2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	No exploration was carried out during year 2018-19.
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved modified mining plan G-4 1.01 ha.	As per approved modified mining plan G-4 1.01 ha. wchich to be coverd under G-2 axis.	As per approved modified mining plan G-4 1.01 ha. wchich to be coverd under G-1 axis. expolration was not carried out as per proposal , violation point out to lessee under rule 12(4A) of MCDR-2017.

1e	Balance reserve as on 01/04/20	As approved modified mining plan reserve under 111 0.40022 millions tonnes	As approved modified mining plan reserve under 111 0.40022 millions tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	No exploration work was carried out. Violation point out to mining lease holder under rules 11(1) and 12(4A) of MCDR-2017.	No exploration work was carried out. Violation point out to mining lease holder under rules 11(1) and 12(4A) of MCDR-2017.	No exploration work was carried out. Violation point out to mining lease holder under rules 11(1) and 12(4A) of MCDR-2017.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t. lease area	As per approved modified mining plan development of pit shall be carried out towards north west direction from 1320 mRl to 1295 mRl by formation of six meter height benches.	As per approved modified mining plan development of pit shall be carried out towards north west direction from 1320 mRl to 1295 mRl by formation of six meter height benches.	Development of pit was not carried out as per proposals. Violation point out to lessee as per rules of 11(1) of MCDR-2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporated	No proposals incorporated	
2c	Stripping ratio or ore to OB ratio	1:0.01	1:0.01	



2d	Quantity of topsoil generation in m3	Nil	No top soil generated during year.	No top soil generated during year.
2e	Quantity of overburden generation in m3	3984		
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development of pit was not carried out as per proposals. Violation point out to lessee as per rules of 11(1) of MCDR-2017.	Development of pit was not carried out as per proposals. Violation point out to lessee as per rules of 11(1) of MCDR-2017.	Development of pit was not carried out as per proposals. Violation point out to lessee as per rules of 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	94978 Tonnes Limestone production proposed during year 2019-20.	94978 Tonnes Limestone production proposed during year 2019-20.	94978 Tonnes Limestone production proposed during year 2019-20.
3c	Recovery of sailable/usable mineral from ROM production	90 % Recovery from ROM.	90 % Recovery from ROM.	
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	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	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	

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.	Not Applicable	Not Applicable
3j	Provision of drilling and blasting in mineral benches	Yes, Jack hammer drilling machine 33mm dia hole operation. Bala sting using slurry explosive along with ANFO and ordinary detonators and safety fuse will be done.	Yes, Jack hammer drilling machine 33mm dia hole operation. Balasting using slurry explosive along with ANFO and ordinary detonators and safety fuse will be done.
3k	Provision of mining machineries in mineral benches	Yes, Excavator deployed for limestone loading operation.	Yes, Excavator deployed for limestone loading operation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Average Height of benches proposed are 5 mtr .	During the inspection the height of benches observed more than proposed height , Violation point out to lessee as per rule of 11(1) of MCDR-2017.
3m	Total area covered under excavation/pits	1.2726 ha area proposed during plan period	1.10 ha area
3n	Ore to OB ratio for the pit/mine during the year.	1:0.011	1:0.011

3p	Production of ROM mineral during the last five year period as applicable	Year 2015-16	Year 2015-16	0 Tonnes
		0 Tonnes	Year 2016-17	28075 Tonnes
		Year 2016-17	Year 2017-18	33804 Tonnes
		70187 Tonnes	Year 2018-19	35856 Tonnes
		Year 2017-18	Year 2019-20	94978 Tonnes
		84510 Tonnes		
		Year 2018-19		
		89640 Tonnes		
		Year 2019-20		
		94978 Tonnes		

3q	General remarks of inspecting officers on method of mining etc.	No systematic mine development has been carried out. Number of benches as proposed have not been made and the height of constructed benches has not been maintained as per proposals. Overall mine development is not satisfactory. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	No systematic mine development has been carried out. Number of benches as proposed have not been made and the height of constructed benches has not been maintained as per proposals. Overall mine development is not satisfactory. Violation point out to lessee as per rule of 11(1) of MCDR-2017.	No systematic mine development has been carried out. Number of benches as proposed have not been made and the height of constructed benches has not been maintained as per proposals. Overall mine development is not satisfactory. Violation point out to lessee as per rule of 11(1) of MCDR-2017.

### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals incorporated for separate dumping of over burden.	Insignificant quantity of interburden generated and used for making approach haul road and parapet wall etc.	Insignificant quantity of interburden generated and used for making approach haul road and parapet wall etc.



4b	Location of topsoil, OB and mineral reject dumps	No proposal incorporated for separate dumping of Top soil, OB and mineral reject.	No proposal incorporated for separate dumping of Top soil, OB and mineral reject.	No proposal incorporated for separate dumping of Top soil, OB and mineral reject.
4c	Number of dumps within lease area and outside of lease area	None	None	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Applicable	Not Applicable	
4e	Number of active and alive dumps.	None	None	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	None	None	
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	None	None	
4k	Specific comments of inspecting officer on waste dump management	Insignificant quantity of waste is generated at the mine.No proposals incorporated for separate dumping of over burden.	Insignificant quantity of waste is generated at the mine.No proposals incorporated for separate dumping of over burden.	Insignificant quantity of waste is generated at the mine.No proposals incorporated for separate dumping of over burden.

## 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.	As per approved modified mining plan, back filling proposed 0.1 ha area.	No back filling has been carried out as per approved modified mining plan.	No back filling has been carried out as per approved modified mining plan.
5b	Area under backfilling of mined out area	As proposal 0.10 ha .	back filling has not been carried out as per proposals.	
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	0.10 ha proposed for back filling .	back filling has not been carried out as per proposals.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Back filling was not carried out as per proposals.	Back filling was not carried out as per proposals.	Reclamation and rehabilitation work was not carried out as proposals. Violation point out to lessee as per rule of 26(1) of MCDR-2017.

### 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	Violation letter issued to lessee as per rule 26(2) of MCDR-2017.
6b	Area available for rehabilitation (ha) .	0.10 ha	back filling not carried out as per proposals.	back filling not carried out as per proposals.
6c	afforestation done (ha) .	500 during plan period.	100 Nos	

6e	Cumulative no of plants	150 Nos	150 Nos	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	No proposals incorporated	No proposals incorporated	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	45 mtr*25mtr *5 mtr	back filling has not been carried out as per proposals.	back filling has not been carried out as per proposals.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings.	0.1	back filling not carried out as per proposals.	back filling not carried out as per proposals.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No proposal incorporated	No proposal incorporated	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal incorporated	No proposal incorporated	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal incorporated	No proposal incorporated	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal incorporated	No proposal incorporated	

6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal incorporated	No proposal incorporated	
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)	Monitored	Monitored	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report not submitted for year 2018-19. The protective, reclamation and rehabilitation work was not carried out as proposal in the approved modified mining plan. Violation point out to lessee as per rules 26(1) and 26(2) of MCDR-2017.	PMCP report not submitted for year 2018-19. The protective, reclamation and rehabilitation work was not carried out as proposal in the approved modified mining plan. Violation point out to lessee as per rules 26(1) and 26(2) of MCDR-2017.	PMCP report not submitted for year 2018-19. The protective, reclamation and rehabilitation work was not carried out as proposal in the approved modified mining plan. Violation point out to lessee as per rules 26(1) and 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	Grade wise sorting is envisaged in MMP.	Entire ROM is loaded in trippers from mine to stock yard.	Entire ROM is loaded in trippers from mine to stock yard.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Grade wise sorting is envisaged in MMP.	Manual	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Entire ROM brought to stock yard and sell to market after manual sorting at mine site.	Entire ROM brought to stock yard and sell to market after manual sorting at mine site.	Entire ROM brought to stock yard and sell to market after manual sorting at mine site.

## Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals incorporated	No top soil generated during year.	No top soil generated during year.
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines. (Rule 33)	No proposals incorporated	No proposals incorporated	
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)	No proposals incorporated in modified mining plan. only back filling proposed.	No proposals incorporated in modified mining plan. only back filling proposed.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline study done.	Baseline study done.
8g	Survival rate	60 %	60 %
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust suppression.	Water sprinkling on haul road for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic environment is good except degradation of land.	Aesthetic environment is good except degradation of land.

## 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 for year 2018-19 Submitted.	All Monthly and Annual Return for year 2018-19 Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information given	No information 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)	No minerals reject present in this mine.	No minerals reject present in this mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Return scrutinized	Return scrutinized
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return scrutinized	Return scrutinized
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
MCDRI7 Rule 11(1)	09-JAN-20				
MCDRI7 Rule 12(4)	09-JAN-20				
MCDRI7 Rule 26(1)	09-JAN-20				
MCDRI7 Rule 26(2)	09-JAN-20				
MCDRI7 Rule 33	09-JAN-20				
MCDRI7 Rule 54(a)	09-JAN-20				

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines