

INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-29

Mine code : 38HPR10065

- (i) Name of the Inspecting Officer and ID No. : 002 ) DAMODAR PRASAD SHARMA  
(ii) Designation : Assistant Controller Mine  
(iii) Accompanying mine Official with Designation : Arun Grover, Lessee  
(iv) Date of Inspection : 22-JAN-20  
(v) Prev. inspection date : 20-JUN-18

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHOWKI MIRGWAL  
(b) Registration NO. :  
(c) Category : A Other than Fully Mech.  
(d) Type of Working : Opencast  
(e) Postal address :  
State : HIMACHAL PRADESH  
District : SIRMUR  
Village : CHOWKI  
Taluka : PAONTA SAHEB  
Post office : KAMROO  
Pin Code :  
FAX No. :  
E-mail :  
Phone : 09418648052  
(f) Police Station :  
(g) First opening date : 31-DEC-88  
(h) Weekly day of rest : SUN
2. Address for correspondence : GIRI LIME AND CHEMICALS  
Prop. Shri Arun Grover, Badri Nagar  
Pounta Sahib, Distt.-Sirmour (HP)
3. (a) Lease Number : HPR0059  
(b) Lease area : 3.9  
(c) Period of lease : 50  
(d) Date of Expiry : 02-JUN-36
4. Mineral worked : LIMESTONE Main

5. Name and Address of the  
Lessee

: GIRI LIME AND CHEMICALS  
1, GOL MARKET RISHIKESH U.A.  
TEHRI GARHWAL UTTARAKHAND  
Phone:  
FAX :

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

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

06-JAN-92  
17-MAY-00  
13-OCT-11

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals were incorporated.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	As per approved Review of mining plan, 1.90 million tonne in 111 category, 0.28 million tonnes in 122 and 1.46 million tonnes in 211 category and 0.57 millions tonnes in 222 category.	As per approved Review of mining plan, 1.90 million tonne in 111 category, 0.28 million tonnes in 122 and 1.46 million tonnes in 211 category and 0.57 millions tonnes in 222 category.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	No exploration was carried during the year.
1d	Balance area to be explored to bring Geological axis in 1 or 2	The review and updation of mining plan was approved on 18.07.2016. As per approved mining plan no exploration has been proposed during the plan period.	The review and updation of mining plan was approved on 18.07.2016. As per approved mining plan no exploration has been proposed during the plan period.	
1e	Balance reserve as on 01/04/20	Balance reserve under 111 is 1.16 million tonnes left.	Balance reserve under 111 is 1.16 million tonnes left.	

1f	General remarks of inspecting officers on geology, exploration etc	The review and updation of mining plan was approved on 18.07.2016. As per approved mining plan no exploration has been proposed during the plan period.	The review and updation of mining plan was approved on 18.07.2016. As per approved mining plan no exploration has been proposed during the plan period.	The review and updation of mining plan was approved on 18.07.2016. As per approved mining plan no exploration has been proposed during the plan period.
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## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per proposals mining shall be carried out between local coordinates N 1100 to N 1220 and E 1105 to 12010 E.	At the time of inspection no mining operation was carried out. Mining operation temporarily discontinue from 17.07.2018 due to want of Modification in Mining Plan.	At the time of inspection no mining operation was carried out. Mining operation temporarily discontinue from 17.07.2018 due to want of Modification in Mining Plan.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals have been incorporated.	No proposals have been incorporated.	
2c	Stripping ratio or ore to OB ratio	01:0.04	01:0.04	
2d	Quantity of topsoil generation in m3	Nil	Nil	Top soil generated during year Nil.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development was not carried as per proposals. Mining operation temporarily discontinued from 17.07.2018 due to want of Modification in Mining Plan.	Development was not carried as per proposals. Mining operation temporarily discontinued from 17.07.2018 due to want of Modification in Mining Plan.	Development was not carried as per proposals. Mining operation temporarily discontinued from 17.07.2018 due to want of Modification in Mining Plan.
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## Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	42912 Tonnes	12986.70 Tonnes	At the time of inspection no mining operation was carried out. Mining operation temporarily discontinued from 17.07.2018 due to want of Modification in Mining Plan.
3c	Recovery of sailable/usable mineral from ROM production	90 % recovery from ROM proposed.	90 % recovery from ROM proposed.	
3d	Quantity of mineral reject generation	Not Applicable	Not Applicable	
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	No proposals were incorporated	No proposals were incorporated
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, Drilling operation carried out with used of Jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator.	Yes, Drilling operation carried out with used of Jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator.
3k	Provision of mining machineries in mineral benches	Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 10 tonnes tippers used for transportation of limestone form mine to stock yard .	Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 10 tonnes tippers used for transportation of limestone form mine to stock yard .

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, Average Height of benches proposed are 6 m . yes	Average Height of benches proposed are 6 m . yes			
3m	Total area covered under excavation/pits	0.80 ha	0.80 ha			
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.04			
3o	Total area put in use under different heads at the end of year	1.575 ha at the end of plan period up to 2020-21	1.575 ha at the end of plan period up to 2020-21			
3p	Production of ROM mineral during the last five year period as applicable	2014-15 20000 Tonnes 2015-16 20000 Tonnes 2016-17 34830 Tonnes 2017-18 42660 Tonnes 2018-19 42912 Tonnes	2014-15 14878 Tonnes 2015-16 20277 Tonnes 2016-17 17575 Tonnes 2017-18 9522 Tonnes 2018-19 12986.7 Tonnes			Excess production observed during year 2015-16. Violation point out to lessee 11(1) of MCDR 2017 .12
3q	General remarks of inspecting officers on method of mining etc.	Mining operation was not carried out as per proposals .At the time of inspection no mining operation was carried out. Mining operation temporarily discontinue from 17.07.2018 due to want of Modification in Mining Plan.	At the time of inspection no mining operation was carried out. Mining operation temporarily discontinue from 17.07.2018 due to want of Modification in Mining Plan.			At the time of inspection no mining operation was carried out. Mining operation temporarily discontinue from 17.07.2018 due to want of Modification in Mining Plan.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals are incorporated for separated dumping.	Insignificant quantity of waste has been generated during year 2018-19.	Insignificant quantity of waste has been generated during year 2018-19.
4b	Location of topsoil, OB and mineral reject dumps	Proposal for separate dumping is not incorporated.	Proposal for separate dumping is not incorporated.	
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)	None	None	No proposals are incorporated for separated dumping.
4e	Number of active and alive dumps.	None	None	No proposals are incorporated for separated dumping.
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	No proposals are incorporated for separated dumping.	No proposals are incorporated for separated dumping.	No proposals are incorporated for separated dumping.

## 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.	Proposals not incorporated.	Area yet to not matured for back filling.	Area yet to not matured for back filling.
5b	Area under backfilling of mined out area	Not applicable None		
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	As per proposals whatever quantity of soil shall be generated will be used for plantation purposes.	As per proposals whatever quantity of soil shall be generated will be used for plantation purposes.	
5d	Total area fully reclaimed and rehabilitated	Not Applicable None		
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposal are incorporated in approved mining plan. Area yet not matured for back filling.	No proposal are incorporated in approved mining plan. Area yet not matured for back filling.	No proposal are incorporated in approved mining plan. Area yet not matured for back filling.

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 to lessee under rule 26(2) of MCDR-2017.

6b	Area available for rehabilitation (ha) .	Proposals not incorporated.	None, except planting few sapling.	None, except planting few sapling.
6c	afforestation done (ha).	Not Applicable	Not Applicable	
6d	No. of saplings planted during the year	50	30 nos	
6e	Cumulative no .of plants	250	100 Nos	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	1000 rs	1000 rs	
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	

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)	Monitored	Monitored	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP report under 26(2) of MCDR-2017 has not been submitted violation point out to lessee under rule 26 of MCDR-2017.	PMCP report under 26(2) of MCDR-2017 has not been submitted violation point out to lessee under rule 26 of MCDR-2017.	PMCP report under 26(2) of MCDR-2017 has not been submitted violation point out to lessee under rule 26 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 not applicable	grade-wise sorting 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.	No proposals were incorporated	No proposals were incorporated	No proposals were incorporated
7d	Any beneficiation process at mines	No applicable	No applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There is no problem of mineral conservation at this Mine.	There is no problem of mineral conservation at this Mine.	There is no problem of mineral conservation at this Mine.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals were incorporated.	Small quantity of top soil will be generate wchih used for plantation purpose.	Small quantity of top soil will be generate wchih used for plantation purpose.
8b	Concurrent use or storage of topsoil	Small quantity of top soil will be generate wchih used for plantation purpose.	Small quantity of top soil will be generate wchih used for plantation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals were incorporated.	No proposals were incorporated.	

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 study done	Baseline study done	
8g	Survival rate	50 % Survival rate of plantaion	50 % Survival rate of plantaion	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road proposed.	Water sprinkling on haul road proposed.	
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.	Aesthetic beauty is maintained except degradation of land.

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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 Submitted.	All Monthly and Annual Return Submitted.	All Monthly and Annual Return Submitted.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	information given	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)	Inforamtin given	No mineral reject present in this mine.	No mineral reject present in this mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Inforamtin given	Inforamtin given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return scrutinized for Ex. Mine price and cost of production.	Return scrutinized for Ex. Mine price and cost of production.	
9h	Scrutiny of Annual return on fixed assets	Information given	Information given	
9k	Scrutiny of Annual return on mining machineries	Information given	Information given	

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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)	20-APR-20			
MCDR17	Rule 26(2)	20-APR-20		15-JUN-20	

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines