

**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 : 004) Mukesh Kumar Sharma
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 03-FEB-23
- (v) Prev.inspection date : 27-FEB-22

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 correspondance** : 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 : Existing rule 11 MCDR1988 06-JAN-92
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 17-MAY-00
Renewal under rule 22 MCR1960 13-OCT-11

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2020-21-No Proposal	NA	
1b	Exploration over lease area for geological axis 1 or 2	3 Boreholes was proposed during the year 2021-22	No exploration was carried out during the year 2021-22.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area Under G1- 3.4 hectare Area under G2 - 0.5 hectare	Area Under G1- 3.4 hectare Area under G2 - 0.5 hectare	
1e	Balance reserve as on 01/04/20	As on 1.4.2021 Reserves- 0.8481 million tonnes Resources- 1.997 million tonnes Total- 2.846 million tonnes	As on 1.4.2021 Reserves-0.8481 million tonnes Resources-1.997 million tonnes Total- 2.846 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Exploration need to be done for the proper delineation of the ore body and analysis of quality and quantity.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development was proposed from Pit- I- from 1455 mRL to 1440 mR and Pit- II from 1425 mRL to 1405 mRL towards North to East side of lease area with height of benches Five meters	Development work has been carried out at proposed place
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No such proposals are incorporated	Only Mineral benches developed.
2c	Stripping ratio or ore to OB ratio	1:0.1	Mining operation is in mineralised land at present.
2d	Quantity of topsoil generation in m3	No proposals are incorporated	2021-22 (till inspection)- NIL
2e	Quantity of overburden generation in m3	Total 14602 cubic meter waste shall be generated in the next 5 years.	500 waste generated during 2021-22
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	- Development work was carried out at proposed place but height of the benches observed more than proposed as per approved mining plan. Violation of rule 11(1) is observed

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	As per proposal, 2(Two) pits were proposed for production	Observed as per proposal	
3b	Quantity of ROM mineral production proposed	ROM proposed during 2021-22 is 61312 tonne	ROM generated during 2021-22 is 9513.1 tonnes.	

3c	Recovery of sailable/usable mineral from ROM production	95% recovery from ROM	ROM is saleable in the market..
3d	Quantity of mineral reject generation	No proposals is incorporated	No significant mineral reject in this mine is being generated.
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 are incorporated	No segregating is done within the mines.
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 proposed by Jack hammer drill of 33 mm dia holes and blasting by slurry explosive with 5 metre high bench.	Undertaken as proposed.
3k	Provision of mining machineries in mineral benches	Proposals given	Deployed as per proposal
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed in mineral benches	Not Operated
3m	Total area covered under excavation/pits	1.68 h during plan period.	Broadly as per the proposals

3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	More or less, it is 1:0.1	
3o	Total area put in use under different heads at the end of year	2.31 h during plan period	Within the limit,	
3p	Production of ROM mineral during the last five year period as applicable	2017-18-38394 Tonnes 2018-19-38621 Tonnes 2019-20-39026 Tonnes 2020-21-39026 Tonnes 2021-22-61312	2017-18-12231.6Tonnes 2018-19- 12986.7 Tonnes 2019-20- 0 Tonnes 2020-21-0 Tonnes 2021-22- 9513.1 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mining plan was approved on 08-09-2021. During the inspection it was observed that proposed development works has been carried out at the earmarked places but the bench parameters are not as per proposals. Violation under rule 11(1) is observed.

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 are incorporated	500 OB generation reported.	
4b	Location of topsoil, OB and mineral reject dumps	No proposals are incorporated	Insignificant quantity of waste , topsoil has been generated during the year 2021-22	
4c	Number of dumps within lease area and outside of lease area	No proposals are incorporated	Small stacks of waste were visible during inspection.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	As per proposals dumping was not proposed towards lease area	No new dump is developed in 2021-22	
4e	Number of active and alive dumps.	None	None	
4f	Number of dead dumps.	None	None	
4g	Number of dumps established.	Not Applicable	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal incorporated	Not erected	
4i	Length of Retaining wall or garland drain all along dumps	Not quantified	Not quantified	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer on waste dump management			Mines was temporary discontinuance during year 2021-22

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 proposals for backfilling in year 2021-22	Area has yet not been matured for backfiling.	
5b	Area under backfilling of mined out area	No proposals are incorporated	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals are incorporated	No proposals are incorporated	
5d	Total area fully reclaimed and rehabilitated	No proposals are incorporated	No proposals are incorporated	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Area yet not matured for back filling
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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).	Proposals are incorporated	PMCP submitted (2021-22)	
6b	Area available for rehabilitation (ha) .	Not applicable	Not applicable	
6c	afforestation done (ha).	0.04 hect.	0.04 hect.	
6d	No. of saplings planted during the year	100 plants	70 plants in within lease area and 100 plants outside lease area	
6e	Cumulative no .of plants	500	-	
6f	Any other method of rehabilitation	Not applicable	Not applicable	
6g	Cost incurred on watch and care during the year	Not applicable	Not applicable	
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 Proposed	Not applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Not applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Not applicable	Not Proposed
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring proposed	Monitoring is done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposal given	PMCP report under 26(2) of MCDR-2017 has been submitted within the stipulated time.	PMCP report under 26(2) of MCDR-2017 has been submitted within the stipulated time.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated,	Entire Mineral is being used. 95% ROM saleable in the marked	
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.	Grade wise sorting is not proposed.	Grade wise sorting is not carried out at the mine. As learnt shorting is carried out at stockyard.	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	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. proposal incorporated during year 2021-22	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)	Proposal incorporated	Nil	
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)	No. proposal incorporated	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	Cumulative 200 saplings have been planted in last five years but survival rate is very poor	
8g	Survival rate	60 to 70%	-	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on haul road for dust suppression in mine	Water Sprinkling on haul road for dust suppression is done occasionally.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty is maintained more or less except degradation of land due to mining. More focus is to be given to maintain the aesthetic beauty by planting suitable saplings having good survival rate and suits the climatic condition in and around mine site.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposal given	All Monthly and Annual Return Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Proposal given	Mining Engineer and Geologist is appointed	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given	Broadly as per submission	
9d	Scrutiny of Annual return on afforestation	Information given	Broadly as per submission	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information given	No generation in the last year	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	As per submission	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return scrutinized for Ex. Mine price and cost of production.	Submitted	
9h	Scrutiny of Annual return on fixed assets	Information is - given		
9k	Scrutiny of Annual return on mining machineries	Information is - given		Aesthetic beauty is largely maintained.

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)	03-MAR-23			
MCDR17	Rule 33	03-MAR-23			
MCDR17	Rule 34(1)	03-MAR-23			

Date :

(Mukesh Kumar Sharma)

Indian Bureau of Mines