

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-29

Mine code : 38HPR10065

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : **JAGDISH LAL JOHAR, MINE MANAGER**
Official with
Designation
- (iv) Date of Inspection : 17/06/2015
- (v) Prev. inspection date : 29/01/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHOWKI MIRGWAL**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : CHOWKI
Taluka : PAONTA SAHEB
Post office : KAMROO
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date : 31/12/1988
2. Address for : GIRI LIME AND CHEMICALS
correspondance 1, GOL MARKET, RISHIKESH
UTTARANCHAL
3. (a) Lease Number : HPR0059
(b) Lease area : 4.06
(c) Period of lease : 20
(d) Date of Expiry : 18/05/2026
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 : 13/10/2011
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS

1. Details about Average employment :
 Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	270
Supervisory	3	270
CONTRACT		
Workers	6	270

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Water supply		0.00			
Health		0.00			
Housing		0.00			
Sanitation		0.00			
Sub total		0.00			
Infrastructure					
Sub total			0.00		
Total			0.00		

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

During the current inspection the violation of the rule 13(1),45(5)(b) & 46 of MCDR 1988 were pointed out and communicated to the lessee for immediate rectification.

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988, if recommended.

Suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is not recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

- a.Type of prospecting and exploration i.e. pitting, drilling : No exploration was proposed in the last year 2014-15. Nil
- b.Total area covered : No exploration was proposed in the last year 2014-15. Nil

B. Working (Rule 13)

- a.Number and size of each pit (LxWxH) : One pit was proposed between 1460mRL to 1475mRL. One pit having dimension approximately 45mX40mX20m was observed on same location as proposed in approved MP. Apart from that a haul road of approximately 80m developed in south eastern part of the lease area and mining excavation was made along the haul road which was not proposed in approved mining plan.For that violation letter of the rule 13(1) has been issued to the lessee.
- b.Bench size(LxWxH)length can be defined as regular/irregular : In approved mining plan it was proposed that mining will be carried out by formation of benches in 5m in height in regular shape. During the inspection mining is being carried out by formation of benches of 5m height in irregular manner.
- c.Ore to waste ratio pit wise if possible otherwise for mine : Interburden @ 10% of ROM is anticipated Same is being generated during the mining.
- d.Total area covered under excavation/pits : It was proposed approximately 0.25Ha of area under the pits. Approximately 0.30 Ha area under the excavation.

C. Waste disposal (Rule 13)

- a.Location of dumps : The waste will be dumped in extreme south -west portion of the lease area. Most of the waste is being used for maintenance of the roads and construction of the walls and check dams and remaining waste is being temporarily dumped near the working pit.
- e.Yearly generation of waste quantity. : It was proposed 2000 Tonnes of Approximately same quantity has been

- waste will be generated in a year.
- generated in the last year.
- b.Method of dumping whether advancing/retreat : Advancing Advancing
- c.Total area covered under waste dump. : At the end of year 2014-15 approximately 0.15ha area covered under the waste dump. Approximately 0.05Ha area covered under waste dump and most of the the waste is being used for maintenance of the roads
- d.No.and size of each waste dump with No of steps/lift/bench : One waste dump was proposed in one lift. One waste dump having one lift was seen.

D. Production

- b.Year wise production of last five year. : The proposed production for the last five years:
2011-12:10350T,
2012-13:18000T
2013-14:18000T
2014-15:18000T
- Actual Production
2011-12:Nil
2012-13:Nil
2013-14:11395.8T
2014-15:14877.7T
The mine was closed due to renewal case so the detail of Production for the year 2011-12 & 2012-13 Available.

D. Reserve

- a.Reserve position as per latest MP/MS and at the time of inspection. : The Position of reserve in approved mining plan
Proved: 571949 Tonnes,
Possible:157694 Tonnes,
Probable: 2836661 Tonnes.
- The Position of Reserve as on 01-04-2015 after depleting the production from proved category
Proved: 545675.5Tonnes,
Possible:157694 Tonnes,
Probable: 2836661 Tonnes.

6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

- Efforts for improving low grade and sub grade mineral. : The entire limestone produced from mine is seleable in cement and chemical industries. There is no low grade/subgrade mineral generation.
- Efforts for improving percentage of recovery of ore. : None at present.

Mineral Rule 15

- Percentage of recovery of ore pitwise w.r.t. ROM and total material : About 90% of ROM limestone produced is recovered and marketed. The rest 10% is dolomitic limestone which may be treated as waste.
- Number of benches in ore and waste. : Three benches in ore and one in waste.

Sub/grd mineral/fines (Rule16)

- Qty of yearly generation and total qty available during inspection with grade : Not applicable as there is no generation of subgrade /mineral reject.
- Number and size of each stack : Not applicable as there is no generation of subgrade /mineral reject.
- Location of stacking. : Not applicable as there is no generation of subgrade /mineral reject.
- Separate stacking from waste : Not applicable as there is no generation of subgrade /mineral reject.
- Total area covered for stacking : Not applicable as there is no generation of subgrade /mineral reject.

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Lease area is hilly.
- b. Aesthetic environment : Aesthetic environment is good except degradation of land due to excavation of pits
- c. Soil and land use pattern : Soil does not exist.
- d. Agriculture : No agriculture activity is going on within the lease area.
- e. Forest(flora and fauna) : No forestland is involved in the lease area.
- f. Vegetation : Scattered local species are grown in the area.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : No Public building, places and monuments (protected, historical), places of worship & places of tourist exist within the lease area.

B Water environment.

- a. Surface water : No surface water body present within lease area.
- b. Ground water : Ground water found 150-200m below from surface.
- c. Quality of water : Water is potable

C. Air environment

- a. Noise : No noise pollution is observed above permissible limit due to mining.
- b. Air : Air pollution due to mining is observed within permissible limit.
- c. Climatic condition : It is cold & wet climate due to hilly area.

D. Socio economic environment

- a. Social and demographic profile. : Villagers of the area are farmers & some of them are working in mines as well as outside in private & government services.
- b. Recommending health and safety. : No health and safety hazards were observed.
- c. Human settlement : None within the lease area but small villages exist surrounding the area.
- d. Recreational facility. : No recreation facility is provided in the mines

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

Annual return for year 2014-15 has not been submitted hence not scrutinized. Violation of rule 45(5)(b) has been pointed out.

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

Not applicable as the mining lease is not going to expire within two year.

b. Compliance of the provisions of MCDR, 88 and advise given.

Not applicable as the mining lease is not going to expire within two year.

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

Not applicable as the mining lease is not going to expire within two year.

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

Not applicable as the mining lease is not going to expire within two year.

e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

Not applicable as the mining lease is not going to expire within two year.

f. Whether adequate investment has been made by the lessee on the development of mine on mining machinery, operational and administrative building, residential accommodation for the employees.

Not applicable as the mining lease is not going to expire within two year.

g. Measures taken by the lessee for protection of environment and ecology.

Not applicable as the mining lease is not going to expire within two year.

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

Not applicable as the mining lease is not going to expire within two year.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

None

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

Boundary pillars are not found intact, therefore, necessary action to be taken for the violation of provisions of MCR 1960 with intimation to this office.

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

None

Date :

(DATA RAM GURJAR)

Indian Bureau of Mines