

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-1

Mine code : 38HPR10044

- (i) Name of the Inspecting : **G021**) **DATA RAM GURJAR**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sh. Jalam Singh Fauji
Official with
Designation
- (iv) Date of Inspection : 10-AUG-13
- (v) Prev.inspection date : 19-MAR-12

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BARWAS(88.09 BIGHA)**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : BARWAS
Taluka : PAONTA SAHIB
Post office : KAMRAOO
Pin Code : 173029
FAX No. : N.A
E-mail : N.A
Phone : (01704) 262449/(01704) 271:
- (e) Police Station : PAONTA SAHIB
- (f) First opening date : 08-MAR-87
2. Address for correspondence : C/O SHRI J.S FAUJI,VILLAGE AND POST SATAUN
DISTRICT -SIRMOUR
STATE- HIMACHAL PRADESH
3. (a) Lease Number : HPR0047
(b) Lease area : 18.21
(c) Period of lease : 20
(d) Date of Expiry : 05-NOV-23
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAKRA MINES AND MINERALS,
 JALAM SINGH FAUJI VPO -
 SATAUN VIA-PAONTA SAHIB
 SIRMUR HIMACHAL PRADESH
 Phone:
 FAX :

Owner : JALAM SINGH FAUJI
 VILL & PO - SATAUN TEHSHIL
 - KAMRAO DISTRICT - SIRMOUR
 SIRMUR HIMACHAL PRADESH
 Phone: (01704) 2624449
 FAX :

Agent : Jalam Singh Fauji
 Village- Sataun Post-
 Sataun Via- Paonta Sahib
 SIRMUR HIMACHAL PRADESH
 Phone: (01704) 2624449
 FAX :

Mining Engineer

Name : Ajai Kumar, Part Time
 Qualification : B. Sc. (Hons) (Mining), AISM, SCC
 Appointment/ : 01-MAR-95
 Termination date

Manager

Name : Ajai Kumar
 Qualification : B. Sc. (Hons) (Mining), AISM, SCC
 Appointment/ : 01-MAY-95
 Termination date

6. Date of approval of Mining : 09-NOV-11
 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		
Supervisory	2	310
CONTRACT		
Workers	17	310

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					
Health		0.00			
Housing		0.00			
Safety		0.00			
Water supply		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 currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013. So voilation of rule 24(1),45(1)(a) and 45(1)(c) pointed out and intimated 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, 19888, if recommended.

It is not recommended presently for suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: It was proposed exploratory pit having dimension 4mX4mX6m at 277N and 248E.	No exploration was seen.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
b.Total area covered	: In the approved mining plan, the area covered under exploration was not estimated.	Exploration has not been done .	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: In para5.3, it is proposed that mining will be carried out from 1473 mRL to 1500mRL in top part,from 1419mRL to 1482mRL in iddle part and 1347 to 1362mRL in lower part by formation benches 3m height.	It is observed that mining is carried out by formation of bench up to 15 metre with width less than height. and pit of size 120X85X65m is formed.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
b.Bench size(LxWxH)length can be defined as regular/irregular	: It was proposed in the approved scheme of mining that bench of height 3m and Width 3m.	It is observed that mining is carried out by formation of bench up to 15 metre with width less than height and Iregular bench are made.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
c.Ore to waste ratio pit wise if possible otherwise for mine	: The proposed site of excavation is devoid of overburden. No overburden is generated as the limestone is outcropping at the site of excavation. However,	Not estimated as annual return not submitted.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.

interburden @ 10 %
of ROM is
anticipated.

d.Total area covered under excavation/pits	: As per approved scheme of mining, about 2.6-hectare area was to be degraded during first five years.	About 3.5 hectares area has been covered under excavation so far.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01- 2013.
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C. Waste disposal (Rule 13)

a.Location of dumps	: it was proposed that waste material generated during mining will be used for the construction of parapet walls and for spreading over approach road & surplus will be dumped at North of the lease .	During the inspection , waste material dump was seen dumped near the working pit.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01- 2013.
e.Yearly generation of waste quantity.	: About 17016 cubic meterof waste is proposed to generate in year 2012-13.	approx 1000 tonnes waste has been generated in the last year.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01- 2013.
b.Method of dumping whether advancing/retreat	: Advancing	Advancing	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01- 2013.
c.Total area covered under waste dump.	: In para 6.1.1 of approved mining scheme it was proposed that area of 1418 sq m will be used for dumping .	About 1500sqm area has been covered under waste dump so far.	During the currnet inspection mine was not working as no EIA clearance and lifting permission was up to 01-01- 2013.
d.No.and size of each waste dump with No of	: Single waste dump of 1418sqm	Single waste dumps of total 1500 sqm area with	During the currnet

steps/lift/bench	additional areas with 15 m height has been proposed in the approved scheme of mining.	5 m maximum height have been observed	inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
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D. Production

b. Year wise production of last five year.	: Proposed Production for the last five years: 2008-09: 75000 tonnes, 2009-10: 75000 tonnes, 2010-11: 75000 tonnes, 2011-12: 125000 tonnes, 2012-13: 125000 tonnes,	Actual Production for the last five years: 2008-09: 29291 tonnes, 2009-10: 33936 tonnes, 2010-11: 24566 tonnes, 2011-12: 8033 tonnes, 2012-13: 8398 tonnes,	During the current inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
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D. Reserve

a. Reserve position as per latest MP/MS and at the time of inspection.	: The position of mineable reserve given approved SOM on dated 09-11-2011 Proved: 2560942.5 tonnes, Probable: 1070319 tonnes, Possible: 1056375 tonnes,	The position of mineable reserve during the inspection: Proved: 2544511.50 tonnes, Probable: 1070319 tonnes, Possible: 1056375 tonnes,	During the current inspection mine was not working as no EIA clearance and lifting permission was up to 01-01-2013.
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6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral. : About 90% of ROM limestone produced from mine is saleable in cement & chemical Industries. There is no low grade/ subgrade mineral generation

Efforts for improving percentage of recovery of ore. : About 90% of ROM is recovered which is saleable in the market rest is waste.

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 of very low grade, which may be treated as waste.

Number of benches in ore and waste. : Three benches in ore is formed.

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : Not Applicable , as there is no generation of sub grade/mineral reject.

Number and size of each stack : Not Applicable , as there is no generation of sub grade/mineral reject.

Location of stacking. : Not Applicable , as there is no generation of sub grade/mineral reject.

Separate stacking from waste : Not required, as there is no generation of sub grade/mineral reject.

Total area covered for stacking : Not Applicable , as there is no generation of sub grade/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.
- c. Soil and land use pattern : Soil does not exist at the proposed working site.
- d. Agriculture : No agriculture activity is going on within the lease area.
- e. Forest(flora and fauna) : No forest land 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 and 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 which is not going to be affected by the mining activities.
- c. Quality of water : Water is potable and suitable for agriculture.

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 Impact on health and safety due to mining is observed.
- c. Human settlement : None within the lease area but small villages exist surrounding the area.
- d. Recreational facility. : No recreation facility at the mining site is needed as miners reside in nearby villages where recreation facilities like TV, Games etc is already available.

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

Annual Returns for the year 2012-13 was not scrutinized as not submitted to this office so violation cum showcause notice given to the lessee.

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 lease has already expired.

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

Not Applicable as lease has already expired .

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

Not Applicable as lease has already expired .

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 lease has already expired .

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

Not Applicable as lease has already expired .

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 lease has already expired .

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

Not Applicable as lease has already expired .

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 lease has already expired .

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 have not been erected properly which is violation of provisions of MCR'60 and breach of terms & condition of lease deed. Necessary action may be taken against the lessee 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