

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-51

Mine code : 38HPR10078

- (i) Name of the Inspecting : **S038**) **SHAILENDRA SAKLANI**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SHRI RAMESH, REPRESENTATIVE OF LESSEE**
Official with
Designation
- (iv) Date of Inspection : 21/02/2015
- (v) Prev.inspection date : 17/04/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BANAUR**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BANAUR
- Taluka : PAONTA SAHIB
- Post office :
- Pin Code :
- FAX No. : NA
- E-mail : NA
- Phone : (01704) 271223, 225330
- (e) Police Station : PAONTA SAHIB
- (f) First opening date : 01/11/2005
2. Address for : SHRI BALBIR SINGH SUPA RAM
correspondance VPO - KAMRAO, TEHSHIL - PAONTA SAHIB
DISRICT - SIRMOUR (HP)
3. (a) Lease Number : HPR0057
- (b) Lease area : .8
- (c) Period of lease : 20
- (d) Date of Expiry : 01/09/2022
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : BALBIR SINGH SUPA RAM
 VPO-KAMROO TEHSHIL - PAONTA
 SAHIB DISTT. SIRMOUR SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

Owner : BALBIR SINGH SUPA RAM
 BALBIR SINGH SUPA RAM VPO-
 KAMRAO SIRMOUR, HP SIRMUR
 HIMACHAL PRADESH
 Phone: (01704) 271223,
 FAX : NA

Agent : BALBIR SINGH
 BALBIR SINGH SUPA RAM VPO-
 KAMRAO, TEHSHIL - PAONTA
 SAHIB SIRMOUR, HP SIRMUR
 HIMACHAL PRADESH
 Phone: (01704) 271223
 FAX : NA

6. Date of approval of Mining : 20/01/2003
 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	300
CONTRACT		
Workers	12	300

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					
Infrastructure					
Sub total					
Sub total					
Employment			2.00		
Others			20.00		
Total			22.00		

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

no outstanding violation exist at the mine. During the current inspection, violation of rule 13(1) for excess production than the proposed during the year 2013-14 and 2014-15 have been noticed. In addition to this , violation of rule 23F was also observed. It was observed that excvator was deployed but the bank guarentee was deposited for one lakh only.

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 yet 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	In the approved mining plan it is proposed that the mineral samples for each level shall be collected to establish the changes in the grade.Pitting & trenching is not proposed.	Sampling has been carried out.	
b.Total area covered	No proposal regarding area to be covered under exploration has been incorporated.	Nil	

B. Working (Rule 13)

a.Number and size of each pit (LxWxH)	It is proposed that during the third year of approved SOM, that mining will be carried out at 1376mrl to 1370mrl by opening the faces having a dimension of 105mX10mX4.7m & 40mX6mX5.3m respectively.	During the current inspection one pit having dimension approximately 50mX20mX25m was observed with formation of benches more than 6m in height in irregular manner.However, serious efforts were being made to reduce the height of benches.	
b.Bench size(LxWxH) length can be defined as regular/irregular	In approved scheme of mining, during third year mining shall be carried out by formation benches in 6m in height on RL 1376m & 1370m. The scheme of mining for this mine was approved on 19.08.2011.	During the current inspection it was observed mining is being carried out with formation of benches at earmarked places. Efforts were being made to reduce the height of benches as per proposals.	
c.Ore to waste ratio pit wise if possible otherwise for mine	In third year of approved scheme of mining ,it was proposed that Ore to OB waste ratio shall be maintained to 17.41:1	This has been maintained more or less	
d.Total area covered under excavation/pits	Approximately 0.3 hectares of area is proposed to be covered under	So far nearly 0.50 hectares of area has been covered under excavation. Deployment	

excavation of excavator was seen whereas manual proposals are incorporated for carrying out mining operations.

C. Waste disposal (Rule 13)

a. Location of dumps : The dumps are proposed out side the lease area in the north western part . dumping has been carried out at earmarked place. However, some quantity of waste rolled down at the hill slope for which check dams have been provided.

e. Yearly generation of waste quantity : during the year 2013-14 of Approved SOM it was proposed that nearly 470 tonnes of waste shall be generated. Approximately 1500 tonnes of waste has been generated during the year.

b. Method of dumping whether advancing/retreat : Advancing Advancing

c. Total area covered under waste dump. : Approximately 400 square meter area shall be covered under waste dump. Approximately 0.1 hectares of area have been covered under active waste dump.

d. No. and size of each waste dump with No of steps/lift/bench : As per proposal one waste dump having an area of approx 400 sqm is proposed under dumps. One waste dump having a dimension of approximately 30mX20m was seen with 4m in height with a single lift.

D. Production

b. Year wise production of last five year. : Year wise proposed production for the last five years is as follows-
 2009-10-15050 tonnes, 2010-11-nil, 2011-12-11609 tonnes, 2012-13-15176 tonnes & 2013-14-15669 tonnes
 Year wise actual production for the last five years is as follows-
 2009-10-nil, 2010-11-nil, 2011-12-2527 tonnes, 2012-13-11798 tonnes & 2013-14-18509 tonnes

D. Reserve

a. Reserve position as per latest MP/MS and at the time of inspection. : As per approved scheme of mining, a total of 376909 tonnes of limestone have been kept under 111 category. During the last three years a total of 22300 tonnes of limestone have been extracted. Thus balance reserve under 111 category is left to the tune of 354600 tonnes.

6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral. : None at present

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 : Approximately it is 85 to 90 percent.

Number of benches in ore and waste. : One in overburden and one in ore.

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade : Not applicable as there is no subgrade mineral being generated at the mine.

Number and size of each stack : Not applicable as there is no subgrade mineral being generated at the mine.

Location of stacking. : Not applicable as there is no subgrade mineral being generated at the mine.

Separate stacking from waste : Not applicable as there is no subgrade mineral being generated at the mine.

Total area covered for stacking : Not applicable as there is no subgrade mineral being generated at the mine.

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Lease area is in hilly terrain and undulating.
- b. Aesthetic environment : Aesthetic environment is good except degradation of land due to excavation of pits and waste dumps.
- c. Soil and land use pattern : Very little quantity of soil does exist at the proposed working site.
- 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 is present within the lease area. However, a seasonal nallas exists nearby lease area which is provided with check dams to prevent rolling down of debris.
- b. Ground water : Ground water struck much below from surface.
- c. Quality of water : Water is suitable for agriculture.

C. Air environment

- a. Noise : No noise pollution is observed above the permissible limit due to mining.
- b. Air : No air pollution is observed above the permissible limit due to mining.
- c. Climatic condition : Cold during winter and pleasant during the summer.

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.
- d. Recreational facility. : None within the lease area.

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

Annual return for the year 2013-14 was scrutinised & few shortcomings were communicated at the time of inspection.

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 is not going to be expire in next two year.

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

Not applicable as lease is not going to be expire in next 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 lease is not going to be expire in next 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 lease is not going to be expire in next 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 lease is not going to be expire in next 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 lease is not going to be expire in next two year.

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

Not applicable as lease is not going to be expire in next 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 lease is not going to be expire in next 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.)

None

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

None

Date :

(SHAIENDRA SAKLANI)

Indian Bureau of Mines