INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-3 **Mine code : 38HPR10012**

(i) Name of the Inspecting Officer and ID No. : **G021) DATA RAM GURJAR**

(ii) Designation : Assistant Controller Mine

(iii) Accompaning mine Official with Designation : Shri Kapil Anand,Owner,s Representative

(iv) Date of Inspection : 12-MAR-15

(v) Prev.inspection date : 26-JUN-14

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HIYONA**

(b) Category : B Manual

(c) Type of Working : Opencast

(d) Postal address

State : HIMACHAL PRADESH
District : SIRMUR
Village : HIYONA
Taluka : PAONTA SAHIB
Post office : SATAUN
Pin Code : 173029
FAX No. : (01704) 222340
E-mail : N.A
Phone : (01704) 222871

(e) Police Station : PAONTA SAHIB

(f) First opening date : 07-NOV-63

2. Address for correspondance : SHRI K. K. ANAND
BATA MANDI, PAONTA SAHIB
DISTRICT - SIRMOUR (H.P)

3. (a) Lease Number : HPR0023

(b) Lease area : 18.04

(c) Period of lease : 20

(d) Date of Expiry : 05-NOV-23

4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : K.K.ANAND
BATA MANDI PAONTA SAHIB
SIRMUR HIMACHAL PRADESH
Phone:
FAX :

Owner : K. K. Anad
Himachal Mines & Quarries
Bata Mandi Paota Sahib
SIRMUR HIMACHAL PRADESH
Phone: (01704) 22340
FAX :

Agent : K. K. Anand
Bata Mandi Paonta sahib
SIRMUR HIMACHAL PRADESH
Phone: 01704-22340
FAX :

Manager

Name	:	SIYA RAM SINGH	
Qualification	:	DIM & FOREMAN CERTIFICATE HOLDER	
Appointment/ Termination date	:	01-APR-07	01-JAN-12

6. Date of approval of Mining Plan/Scheme of Mining : 01-JUN-11

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**	**0**
Supervisory	**2**	**0**
CONTRACT		
Workers	**10**	**0**

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

Action during the year	Expenditure in Rs. Lakhs for previous year		Expenditure in Rs. Lakhs for current year		Remarks
	Proposed	Incurred	Proposed	Incurred	
General Infrastructure Sub total					
Sub total					
Employment			0.50		
Others			0.50		
Total			1.00		

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

During the current inspection voilation of Rule 12(3) & 45(1)(a) of MCDR 1988 were found and communicated to the lessee for imediate rectification in the form of violation letter.

If the mine ever prosecuted then date of last judgement with rules for which prosecution launched

Date of Decision : 16-SEP-02 Result : Compounded Details :

Fine imposed/Compounding fees collected: 10500 Rules : Rule 13(1)
Rule 45(1)(c)
Rule 46

If the mine ever prosecuted then date of last judgement with rules for which prosecution launched

Date of Decision : 04-FEB-08 Result : Compounded Details :

Fine imposed/Compounding fees collected: 5000 Rules : Rule 23F(1)

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 at present

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: The exploration was propsed by digging trench having 1m in wide,1 m deep and 15-20 m in length.	The same exploraion has been carried out as proposed.	
b.Total area covered	: In the approved Scheme of mining , the area covered under exploration was not estimated.	Not estimate	
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: As per approved Scheme of mining , it is proposed to work by forming eight benches of 6m height and 6 m width between 1490 & 1424 mrl up to third year	As per proposals the mine could not be developed as the mining operations remained closed during the year 2012-13 & 2013-14 due to want of environment clearance. During the third year it was proposed to develop the bench at 1430-1424 which has yet not been formed. Earlier during the first two years it was proposed to develop the pit L1 to L8. The eight benches have been completed & bench height reducing work on progress as per proposals.	
b.Bench size(LxWxH)length can be defined as regular/irregular	: It was proposed in the approved scheme of mining that height and width of the benches shall be kept 6 meteres each with four sub benches of 1.5 mtrs each.	During the inspection it was observed that eight benches were not formed yet as proposed due to mine was not running for the last two years due to EC. Similarly the height of the benches were not kept to 6 meteres. Height of the benches were ranging from 7 to 9 meteres.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: The limestone is outcropping at the site of excavation. However, interburden @ 10 % of ROM is anticipated.	Ore to waste ratio for the last year is Nil as mine was closed for the year2013-14 due to environment clearance.	
d.Total area covered	: As per approved	Mining operations	

under excavation/pits	scheme of mining approximately 0.5 Ha of area was to be degraded during the third year.	remained closed during the year 2013-14. In the first two years nearly 0.5 hectares of area has been degraded due to mining and other allied activities

C. Waste disposal (Rule 13)

a.Location of dumps	: It is proposed that approximately 19630 tonnes of reject/waste shall be generated during the year 2013-14 which shall be stacked at sataun stacking yard.	No mining has been carried out during the year 2013-14 due to want of environment clearance.
e.Yearly generation of waste quantity.	: About 19630 tonnes of waste is anticipated to be generated.	No waste has been generated during the year 2013-14.
b.Method of dumping whether advancing/retreat	: Advancing method	Advancing method is adopted.
c.Total area covered under waste dump.	: In approved scheme of mining , no additional area is proposed to cover under waste dump.	No active waste dump have been observed during the course of inspection.
d.No.and size of each waste dump with No of steps/lift/bench	: It is proposed that approximately 19630 tonnes of reject/waste shall be generated during the year 2013-14 which shall be stacked at sataun stacking yard.	No fresh dumps have been observed. However, old waste dumps were observed.

D. Production

b.Year wise production of last five year.	: Year Target	Year Production	Actual
	2009-10 100000 Tonne,	2009-10 Tonne,	79000
	2010-11 122499 Tonnes,	2010-11 Tonnes,	77063
	2011-12 134226 Tonnes,	2011-12 Tonnes,	33298
	2012-13 158692 Tonnes	2012-13 Tonnes	22294
	2013-14 176670 Tonnes	2013-14 Nil(Mine remain closed due to Environment Clearance)	

D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection.	: Proposed Reserve in approved SOM on 09-06-2011 111 35203240 Tonnes, 122 2578987 Tonnes, 333 2810349 Tonnes	Reserve position at the end of year 2013-14 111 35070630 Tonnes, 122 2578987 Tonnes, 333 2810349 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. About 90% of ROM limestone produced from mine is saleable in cement & chemical industries.
Efforts for improving percentage of recovery of ore.	:	None at present.

Minearl Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material	:	About 90% of RoM is recovered and sold to various consuming industries.
Number of benches in ore and waste.	:	Nine in ore and one in OB.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade	:	Not applicable as no sub grade material is generated nor proposals are incorporated.
Number and size of each stack	:	Not applicable as no sub grade material is generated nor proposals are incorporated.
Location of stacking.	:	Not applicable as no sub grade material is generated nor proposals are incorporated.
Separate stacking from waste	:	No sub grade material is generated nor proposals are incorporated.
Total area covered for stacking	:	Not applicable as no sub grade material is generated nor proposals are incorporated.

7. Environment Management - both quantitative and qualitativ

A. Land environment

a. Landscape.	:	Lease Area is a Hilly Terrain.
b. Aesthetic environment	:	Aesthetic environment is good except degradation of land due to mining.
c. Soil and land use pattern	:	Insignificant quantity of soil is generated during the course of mining. In the past whatever quantity of soil generated have been used for plantation purposes.
d. Agriculture	:	No agricultural activity is going on within the lease area.
e. Forest(flora and fauna)	:	No Forest land involved in the lease area.
f. Vegetation	:	Scattered local species are grown in the area as vegetational growth.
h. Public building, places and monuments (protected, historical), placec 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 which is provided with check dams.
b. Ground water	:	Ground water table is much below from the surface.
c. Quality of water	:	Water is not contaminated due to mining and the quality is potable and also suitable for agriculture.

C. Air environment

a. Noise	:	Noise pollution is not observed due to mining.
b. Air	:	Air pollution is not observed due to mining.
c. Climatic condition	:	Pleasant during the summer and cold during winter.

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.	:	None

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 and no major defficiencies were observed.

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 mine is not going to expire within two years.

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

Not applicable as the mine is not going to expire within two years.

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

Not applicable as the mine is not going to expire within two years.

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 mine is not going to expire within two years.

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

Not applicable as the mine is not going to expire within two years.

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 mine is not going to expire within two years.

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

Not applicable as the mine is not going to expire within two years.

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 mine is not going to expire within two years.

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 at present

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

None at present

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

None at present

Date :

(**DATA RAM GURJAR**)

Indian Bureau of Mines