

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SOLAN/LST-2

Mine code : 38HPR11004

- (i) Name of the Inspecting : **E025**) **NAMAN EKKA**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : SHRI B. K. GHOSHAL, VP, JPHCP
Official with
Designation
- (iv) Date of Inspection : 25-JAN-14
- (v) Prev.inspection date : 11-AUG-13

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BAGA-BHALAG**
- (b) Category : A Fully Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
- State : HIMACHAL PRADESH
- District : SOLAN
- Village : BAGABHALAG DARLAMORE
- Taluka : SOLAN
- Post office : KANDHAR
- Pin Code : 171102
- FAX No. : (1978)249178
- E-mail :
- Phone : (1978)249174,249174,249175
- (e) Police Station : DARALAGHAT
- (f) First opening date : 23-JAN-10
2. Address for correspondence : JAI PEE HIMACHAL CEMENT PLANT
VILLAGE - BAGA, PO - KANDHAR
TEHSHIL - ARKI, DISTT- SOLAN (HP)
3. (a) Lease Number : HPR0085
- (b) Lease area : 331.42
- (c) Period of lease : 30
- (d) Date of Expiry : 28-SEP-37
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAI PEE HIMACHAL CEMENT PLANT
UNIT BAGHA TEHSHIL - ARKI
SOLAN HIMACHAL PRADESH
Phone:
FAX :

Owner : SUNNY GAUR
JAY PEE HIMACHAL CEMENT
PLANT VILLAGE - BAGA, PO -
KANDHAR TEHSHIL - ARKI,
DIST - SOLAN SOLAN HIMACHAL
PRADESH
Phone:
FAX :

Agent : K. P. SHARMA
JAYPEE HIMACHAL CEMENT
PLANT VILLAGE - BAGA, PO -
KANDHAR TEHSHIL - ARKI,
SOLAN SOLAN HIMACHAL
PRADESH
Phone:
FAX :

Mining Engineer

Name : Kaushik Das, Full Time
Qualification : B.E. (Mining)
Appointment/ : 12-OCT-07
Termination date

Manager

Name : B.K.Ghoshal
Qualification :
Appointment/ : 24-AUG-04
Termination date

6. Date of approval of Mining : 01-JUN-05
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	9	300
Supervisory	2	300
Others	25	300
Ministrial	1	300
Workers	78	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					
Housing		0.00			
Sanitation		0.00			
Water supply		18.54			
Medical facility		36.27			
Sub total		54.81			
Infrastructure					
Public transport			99.83		
Sub total			54.81		
Environment management			952.80		
Others			73.98		
Sports activities			13.40		
Total			*****		

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

No outstanding violation of MCDR'88 exist and no serious nature violation of MCDR'88 has been detected during the inspection.

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.

It is not recommended 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 : IT WAS PROPOSED TO THE SAME HAS BEEN DONE.
and exploration i.e. DRILL 14 NOS. OF
pitting, drilling BOREHOLE IN YEAR
2012-13 OF AVG.
100m. EACH

b.Total area covered : 28.00 Ha. SAME HAS BEEN DONE

B. Working (Rule 13)

a.Number and size of : 3Pits were Three pits were observed
each pit (LxWxH) proposed ,2 in at same location as
Bhalag Block & 1 prospsed.Mining is being
in Baga Block.In carried out by formation
Bhalag Block of benches in 10m height
Bhalag side & with irregular shape.
crusher side pit
were proposed.In
all the pits
mining will be
carried out by
formation of
benches in 10 m
height.

b.Bench : In bhalag side Benches were found in
size(LxWxH)length can benches were 10mHeights with
be defined as proposed from RL irregular shapes in all
regular/irregular 1400 to 1270mRL,in the three pits.
crusher side pit
from 1200 to
1270mRL.In baga
block benches were
proposed from
1600mRL to
1640mRL.

c.Ore to waste ratio : 1:0.00 1:0.00
pit wise if possible
otherwise for mine

d.Total area covered : It was proposed to The same has been done.
under excavation/pits excavate 28.00 Ha

C. Waste disposal (Rule 13)

a.Location of dumps : No proposal was There is no generation
given for location of waste from the mine
of dumps as there hence there was no dumps
is no generation present at the time of
of waste. inspection.

e.Yearly generation : No proposal was NIL
of waste quantity. given as there is
no generation of
waste.

b.Method of dumping : No proposal was NIL
whether given for location
advancing/retreat of dumps as there

is no generation
of waste.

c.Total area covered : No proposal was
under waste dump. given as there is
no generation of
waste. NIL

d.No.and size of each : No proposal was
waste dump with No of given as there is
steps/lift/bench no generation of
waste. NIL

D. Production

b.Year wise production of last five year.	: Year wise production propoal in lac tonnes	Actual Production in Lac Tonnes
	2009 -10 = NIL	2009-10 = 31.02
	2010-11 = 7.22	2010-11 = 33.49
	2011-12 = 31.0	2011-12 = 33.43
	2012-13 = 52.50	2012-13 = 43.33
	2013-14 = 52.50	2013-14 = 27.83 (till Dec '13)

D. Reserve

a.Reserve position as per latest MP/MS and at the time of inspection.	: Reserve as per approved Mining Plan Category (211) Lst = 96.61 MT	Resserve estimation as per - 1-3-2012 of Cement Grade Limestone category (111) = 142.61 MT
	(221 & 222) = 70.59 MT	(121 & 122) = 142.15 MT
	(333) = 89.74 MT	(211) = 119.30 MT (221) = 126.01 MT (333) = 197.08 MT

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 as all mineral is being utisized in captive cement plant

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 : 100 %

Number of benches in ore and waste. : Waste Benches = NIL
Ore benches = 23 in Bhalag Block
05 in Baga Block

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Not applicable as there is no subgrade mineral generation

Number and size of each stack : Not applicable as there is no subgrade mineral generation

Location of stacking. : Not applicable as there is no subgrade mineral generation

Separate stacking from waste : Not applicable as there is no subgrade mineral generation

Total area covered for stacking : Not applicable as there is no subgrade mineral generation

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Mines lies in the hills of vill - Baga & Bhalag. The area is Undulating as it is a part of hill.
- b. Aesthetic environment : Aesthetic enviroment is Good.
- c. Soil and land use pattern : Land use pattern in Ha
 Forest land = 25.3032 (Diverted for non-forest purpose)
 Govt. Waste land = 8.4694
 Govt. Pasture land = 190.5556
 Private Land = 107.0958
 Total = 331.424
- d. Agriculture : No Agriculture work found withion the vicinity of mining lease area.
- e. Forest(flora and fauna) : Forest land of 25.3032 Ha has been diverted for Non-forest purpose.
- f. Vegetation : Scattered local species are grown in the area.
- 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 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 : Ground 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 health and safety hazards were observed.
- c. Human settlement : Few hutments and human settelment were present within the lease area and small villages exist surrounding the area.
- d. Recreational facility. : Recreation facility is provided to the mine workers and Rs 13.40 lakhs has already been incurred in the previous financial year

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

Scrutiny of the annual return of the mine for the year 2012-13 has been done mainly

relating to questioned items and no major reportable shortcoming found.

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.

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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.

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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.

As the Mining lease is not going to expire within the 02 years, hence Not Applicable.

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 should be erected as per CCOM circular, 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 :

(NAMAN EKKA)

Indian Bureau of Mines