

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SRM/LST-3

**Mine code :** 38HPR10012

- (i) Name of the Inspecting : **G021** ) **DATA RAM GURJAR**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Jagdish Lal Johar  
Official with  
Designation
- (iv) Date of Inspection : 26/10/2016
- (v) Prev.inspection date : 17/10/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HIYONA**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) 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
- (f) Police Station : PAONTA SAHIB
- (g) First opening date : 07/11/1963
- (h) Weekly day of rest : SUN
2. Address for : SHRI K. K. ANAND  
correspondance 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 : 05/11/2023
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/ : 01/04/2007 01/01/2012  
 Termination date

6. Date of approval of Mining : Existing rule 11 MCDR1988 02/12/1991  
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 01/07/1998  
 Renewal under rule 22 MCR1960 25/05/2005  
 Modif.of approved Mining Plan 10/11/2009  
 Mining Scheme rule 12 MCDR1988 01/06/2011

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	One trench was proposed in the previous year	Same has been carried out.	
1b	Exploration over lease area for geological axis 1 or 2	One trench was proposed in the previous year	One trench was proposed in the previous year	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	There is no proposal in this regard.	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal in the approved SOM.	N/A	
1e	Balance reserve as on 01/04/20	The postion of reserve in the approved scheme of mining (Approved on 23/07/2015) are as follows: 111:11137927T , 121& 122:719746T	The postion of reserve as on 01-04-2016 after depleting the production form 111 category are as follows: 111:10960104T, 121& 122:719746T	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Development was proposed in the Western part of the lease area.	The proposed development location was same as per proposal however development activity was not going as per proposal made in the approved scheme of mining; for that violation of rule 13(1) of MCDR 1988 issued to the lessee in this regard for immediate rectification.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes
2c	Stripping ratio or ore to OB ratio	1:0.18	Less than the proposed as all the proposed mineral reject are sailable in the market, so approximately it was 1:0.1
2d	Quantity of topsoil generation in m3	No top soil generation was proposed.	Not applicable.
2e	Quantity of overburden generation in m3	During the last year total 11219 tonnes OB generation was proposed.	Approximately same generated as per proposal.

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Total ROM of Limestone was proposed 185187 tonnes during the last year.	Total 177823 tonnes limestone production was reported during the last year.	
3c	Recovery of sailable/usable mineral from ROM production	Apprimately all the ROM mineral is sailable in the market.	Apprimately all the ROM mineral is sailable in the market.	
3d	Quantity of mineral reject generation	10% of ROM production was proposed.	Approximately all the ROM mineral is sailable in the market & not generated as per proposal.	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal in this regard.	Approximately all the ROM mineral is sailable in the market & not generated as per proposal.	
3f	Quantity of sub grade mineral generation.	No proposal	Not applicable.	

3g	Grade of sub grade mineral generation	No proposal of subgrade mineral generation.	Not applicable.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable.
3j	Provision of drilling and blasting in mineral benches	Wagon drill of 100mm & jack hammer drilling of 32mm holes & blasting was proposed.	Same as per proposal.
3k	Provision of mining machineries in mineral benches	Shovel, JCB & 10T capacity dumpers proposed.	Same as per proposals.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes 6m height proposed of each bench.	Yes, however bench height were not maintained at places as per proposed development hence violation of rule 13(1) of MCDR 1988 issued to the lessee in this regard for immediate rectification.
3m	Total area covered under excavation/pits	At the end of scheme of mining period i.e. 2019-20 approximately 2.85Hect area will be covered under mining.	At present approximately 2.5 Hectare area has been covered under mining.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.18	Less than the proposed as all the proposed mineral reject are sailable in the market, so approximately it was 1:0.1

3o	Total area put in use under different heads at the end of year	At the end of scheme of mining period i.e. 2019-20 total 2.85 Hect area will be covered under mining, 0.86 hect area under waste dumps & 1.55 Hectare area under roads.	Presently approximately 2.5 hectare area has been covered under mining , 0.41 Hectare area under waste dumps & 1.55 hectare area under roads.
3p	Production of ROM mineral during the last five year period as applicable	The proposed production for the last five years: 2011-12:134226T, 2012-13:158692T, 2013-14:176670T, 2014-15:178504T, 2015-16:185187T(Total ROM Limestone)	The Actual production for the last five years: 2011-12:33298T, 2012-13:22294T, 2013-14:Nil T, 2014-15:72830T, 2015-16:177823T
3q	General remarks of inspecting officers on method of mining etc.	Opencast	Opencast

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Near the southern side lease boundary AB( 430E to 550E & 0N to 60N Grid location)	Same as per proposal.	

4c	Number of dumps within lease area and outside of lease area	One dump within lease area.	One dump within lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside of ultimate pit limit.	Outside of ultimate pit limit.
4e	Number of active and alive dumps.	One	One
4f	Number of dead dumps.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes retaining wall prposed	Yes
4i	Length of Retaining wall or garland drain all along dumps	lenght of retaining wall has not been given in approved scheme of mining.	N/A
4j	Number of settling ponds	No proposal	Not applicable

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Extraction of mineral is going on working benches.	Extraction of mineral is going on working benches.	
5b	Area under backfilling of mined out area	No proposal of Back filling of mined out area during the year 2015-16.	Not applicable.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area is not matured for back filling.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes submitted	yes
6c	afforestation done (ha).	0.1Hect	0.1 Hect
6d	No. of saplings planted during the year	100	100
6f	Any other method of rehabilitation	No proposal for the last year.	Not applicable

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	All ROM mineral is saleble & dispetched.	All ROM mineral is saleble & dispetched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Yes manual sorting.	Yes manual sorting.	
7d	Any beneficiation process at mines	No proposal	Not applicable.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No specific issue related to mineral conservation.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation proposal for the last year.	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for the last year.	N/A	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No adverse thing was observed in this regard.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return for the year 2015-16 & monthly return up to Oct 2016 submitted.	Annual return for the year 2015-16 & monthly return up to Oct 2016 submitted.	

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	01/11/2016	04/01/2017			

**Date :**

**(DATA RAM GURJAR)**

Indian Bureau of Mines