

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

**MCDR INSPECTION REPORT**

**Dehradun regional office**

**Mine file No :** HP/SRM/LST-41

**Mine code :** 38HPR10035

- (i) Name of the Inspecting : **S038** ) **SHAILENDRA SAKLANI**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri K.S.Negi, Mine Manager  
Official with  
Designation
- (iv) Date of Inspection : 12/02/2017
- (v) Prev.inspection date : 18/12/2015

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BANAUR**
- (b) **Registration NO.** : **IBM/4992/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BANOUR
- Taluka : PAONTA SAHIB
- Post office : BANOUR
- Pin Code : 173025
- FAX No. : -
- E-mail : chawla\_sidh@rediffmail.com
- Phone : 01352621069,9897521582
- (f) Police Station :
- (g) First opening date : 01/01/1992
- (h) Weekly day of rest : SUN
2. Address for : SHRI DEEPAK CHAWLA  
correspondance 43,GANDHI ROAD, DEHRADUN  
DISTRICT - DEHRADUN (UA)
3. (a) Lease Number : HPR0066
- (b) Lease area : 4.75
- (c) Period of lease : 50
- (d) Date of Expiry : 17/08/2040
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : SHRI DEEPAK CHAWLA  
 43-GANDHI ROAD, DEHRADUN  
 UTTARAKHAND DEHRADUN  
 UTTARAKHAND  
 Phone: 01352621069  
 FAX :

Owner : DEEPAK CHAWLA  
 43-Gandi Road, Dehardun  
 Uttarakhand SIRMUR  
 HIMACHAL PRADESH  
 Phone: 01352621069, 989  
 FAX :

## Mining Engineer

Name : KL KATIYAR, Full Time  
 Qualification : MINES FOREMAN CERTIFICATE  
 Appointment/ : 28/07/1998  
 Termination date

## Manager

Name : Kundan Singh Negi  
 Qualification : Mine Forman Certificate Holder  
 Appointment/ : 02/10/2014  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09/10/1990
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26/07/1999
		Mining Scheme rule 12 MCDR1988	17/06/2005
		FMCP under 23C(1)	10/08/2011
		Modif.of approved Mining Plan	22/12/2011

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals are incorporated for the year 2015-16	No proposals are incorporated for the year 2015-16	
1b	Exploration over lease area for geological axis 1 or 2	No proposals are incorporated for the year 2015-16	No proposals are incorporated for the year 2015-16.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals are incorporated for the year 2015-16	No proposals are incorporated for the year 2015-16	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals are incorporated for the year 2015-16. However, it is proposed that to increase working life of mine, during 4th year 1DTH hole 10m deep in east and west block shall be put to ensure the continuity of of mineral.	No proposals are incorporated for the year 2015-16.	
1e	Balance reserve as on 01/04/20	As per modified mining plan approved on 10.08.2015, the reserves have been estimated to the tune of 7.74 lakh tonnes under 111, 121 and 122 category.	During the year 2015-16, a total of 78991 tonnes of limestone production have been reported and thus balance reserves under 111 category is left as 6.95 lakh tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			exploration proposals are not incorporated for the year 2015-16.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed that during the year 2015-16 and 2016-17, mining shall be carried out in two blocks namelyt eastern and western blocks.	During the inspection it was observed that mining operations are being carried out at earmarked places. However, intermediate benches have not beenfully developed as proposed during the year 2016-17 for which violation has been pointed out to lessee.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No seperate benches in top soil and overburden have been proposed for the year 2015-16.	No seperate benches in top soil and overburden have been made. Insignificant quantity of soil and mineral rejects comprising of dolomitic boulders were generated during the year.	
2c	Stripping ratio or ore to OB ratio	1:0.3	Sripping ratio is slightly ore than proposed.	
2d	Quantity of topsoil generation in m3	As per proposals approximately 140 tonnes of soil will be generated during the year 2015-16	Approximately 150 tonnes of soil generated during the year 2015-16.	
2e	Quantity of overburden generation in m3	Approximately 1040 tonnes of waste shall be generated during the year 2015-16.	Approximately 4000 tonnes of waste generated during the year 2015-16.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Overburden generated during the year was more than projected.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	As per proposals excavation shall be carried out in two pits.	Excaavtion is being carried out in two pits namely pits of eastern and western blocks.
3b	Quantity of ROM mineral production proposed	During the year 2015-16, production to the tune of 92553 tonnes was proposed.	During the year 2015-16, production to the tune of 92553 tonnes was obtained which is slightly less than proposed.
3c	Recovery of sailable/usable mineral from ROM production	Waste to be generated have been projected as hardly 1%.	95% recovery have been observed.
3d	Quantity of mineral reject generation	Mainly dolomitic boulders considered as waste which has been estimated to 1040 tonnes.	Approximately 4000 tonnes of waste has been generated during the year 2015-16.
3e	Grade of mineral rejects generation and threshold value declared.	High grade and medium grade limestone is generated from the mine.	High grade and medium grade limestone is generated from the mine.
3f	Quantity of sub grade mineral generation.	No sub grade material is generated as mentioned in the mining plan	No sub grade material is generated from the mine.
3g	Grade of sub grade mineral generation	Not applicable	Not applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable	Not applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not carried out
3j	Provision of drilling and blasting in mineral benches	Provisions are incorporated.	Mining is being carried out with the help of controlled drilling and blasting.

3k	Provision of mining machineries in mineral benches	Provision of mining machineries in mineral benches have been incorporated.	Mining machineries such as JCB has been deployed at the mine.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches of 6 m is proposed in the mining plan.	Height of the benches were not maintained as per proposals for which violation has been issued to party for rectification.	
3m	Total area covered under excavation/pits	As per proposals approximately 1.78 hectares of area shall be covered during plan period.	Approximately 2 hectares of land has been covered under excavations.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	Approximately 5% of rom has been generated as waste.	
3o	Total area put in use under different heads at the end of year	As per proposals approximately 0.5 hectares of area is put in use under different heads.	Approximately 0.5 hectares of area was put in use under different heads.	
3p	Production of ROM mineral during the last five year period as applicable	Proposed production during the last five years is as: Year 2011-12- 31575 t, 2012-13- 40595t, 2013-14- 41265t, 2014-15-41190t, 2015-16- 92553t	Actual production is as follows: 2011-12-NIL 2012-13-38443 t 2013-14-57812 t 2014-15-65364 t 2015-16- 78991	For excess production during the year 2013-14 & 2014-15 court case has been launched against the party.
3q	General remarks of inspecting officers on method of mining etc.			For excess production during the year 2013-14 & 2014-15 court case has been launched against the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping of waste is proposed	Seperate dumping of waste is being carried out at earmarked place. However, Some of the waste is not dumped at earmarked place.
4b	Location of topsoil, OB and mineral reject dumps	As per proposals seperate sites have been selected for each of two block. Western block dump yard is lolocated between local coordinates N443 to E160 to N430 E 195. similarly for eastern block site is selected towards northern part of the lease.	Dumping is carried out at earmarked places more or less. Some of the waste is not dumped at earmarked place.
4c	Number of dumps within lease area and outside of lease area	Two dumps within the lease area.	Two dumps within the lease area. However, some of the waste is not dumped at earmarked place though it is temporary in nature as learnt.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within the lease area.	Within the lease area.
4e	Number of active and alive dumps.	Two	Two
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Prposals have been incorporated	Retaining walls has been made along the dumps.
4i	Length of Retaining wall or garland drain all along dumps	Length is not specified	Approximately 20 mts long.
4j	Number of settling ponds	NIL	NIL

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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.	Area is yet not matured for backfilling.	Area is yet not matured for backfilling.	
5b	Area under backfilling of mined out area	Not proposed	Not yet matured.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposals are incorporated.	Area yet not matured for backfilling.	
5d	Total area fully reclaimed and rehabilitated	No proposals are incorporated	Area yet not matured.	

## Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposals are incorporated.	No for which violation of rule 23(E)(2) has been issued to party for immediate rectification.	
6b	Area available for rehabilitation (ha) .	Approximately 0.05 hectares of area is proposed for reclamation by way of plantation during the year. 50 saplings are proposed as a reclamation measures.	Party have planted approximately 60 saplings against the proposals.	
6c	afforestation done (ha).	Proposals have been incorporated.	Party have planted approximately 60 saplings against the proposals.	
6d	No. of saplings planted during the year	During the year 2015-16 50 saplings are proposed.	Party have planted approximately 60 saplings against the proposals.	
6e	Cumulative no .of plants	No proposals are incorporated.	Approximately Party have planted 200 saplings so far.	



6f	Any other method of rehabilitation	None	None
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposals for sorting and sizing is incorporated.	Entire material is saleable. Sorting is carried out at stack yard as well as within the lease area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	No concrete proposals are given	Partly being carried out at the mine.	
7d	Any beneficiation process at mines	None at present.	None at present.	

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Insignificant quantity of soil is generated.	Insignificant quantity of soil is generated.	
8b	Concurrent use or storage of topsoil	No proposals are incorporate d.	Insignificant quantity of soil is generated.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposals are incorporated	Seperate dumps have been provided.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Itis proposed that in future plantation shall be carried out over dumps	Some of the waste is being utilised for construction of check dams and retaining walls.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	It is not proposed during the year 2015-16.	None at present
8g	Survival rate	Not proposed.	Survival rate is around 50%.
8h	Water sprinkling on roads to control airborne dust	Not proposed	It is being done as and when required.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted annual and monthly returns in time.	Submitted annual and monthly returns in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Given	
9h	Scrutiny of Annual return on fixed assets	Not given	Not given	
9k	Scrutiny of Annual return on mining machineries	Not given	Not given	

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	03/03/2017	20/03/2017			
Rule 23E(2)	03/03/2017	20/03/2017			
Rule 13(1)	03/03/2017	20/03/2017			
Rule 23E(2)	03/03/2017	20/03/2017			

**Date :**

(**SHAIENDRA SAKLANI**)

Indian Bureau of Mines