

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-49

Mine code : 38HPR10076

- (i) Name of the Inspecting : **S038**) **SHAILENDRA SAKLANI**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri K.N.Pant, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 28/02/2017
- (v) Prev.inspection date : 21/01/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BANAUR (BOHAR--KHATWAR)**
- (b) **Registration NO.** : **IBM/494/2011**
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : HIMACHAL PRADESH
- District : SIRMUR
- Village : BANAUR
- Taluka : PAONTA SAHIB
- Post office : BANAUR
- Pin Code :
- FAX No. :
- E-mail :
- Phone : (0135) 2673715
- (f) **Police Station** : RAJBAN
- (g) **First opening date** : 28/05/2001
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : RAKESH CHOUDHARY
VILLAGE - JOGIWALA, PO - NEHRU GRAM
DEHRADUN (UA)
3. (a) **Lease Number** : HPR0052
- (b) **Lease area** : 4.75
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 19/03/2051
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : RAKESH CHOUDHARY
 S/O SH. MAHENDRA SINGH,
 VILLAGE-JOGIWALA, POST-
 NEHRU GRAM, DEHRADUN
 UTTARAKHAND
 Phone:(0135) 673715
 FAX :

Owner : RAKESH CHAUDHARY
 RAKESH CHAUDHARY VILLAGE-
 JOGIWALA, PO- NEHRU GRAM
 DEHRADUN (UA) DEHRADUN
 UTTARAKHAND
 Phone: (0135) 673715
 FAX :

Mining Engineer
 Name : V. K. TEWARI, Full Time
 Qualification : B.A., FOREMAN CERTIFICATE
 Appointment/ : 25/01/2009
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09/05/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	27/07/2006
		PMCP under 23B(2) for MS	27/07/2006
		Modif.of approved Mining Plan	04/01/2012
		FMCP under 23C(1)	15/05/2013
		Modif.of approved Mining Plan	19/07/2013
		FMCP under 23C(1)	18/01/2014
		MP modif under MCR 1960	21/02/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Exploration proposals were not incorporated for the year 2015-16	Not applicable	
1b	Exploration over lease area for geological axis 1 or 2	Exploration proposals were not incorporated for the year 2015-16	Not applicable	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Exploration proposals were not incorporated for the year 2015-16	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration proposals were not incorporated for the year 2015-16	Not applicable.	
1e	Balance reserve as on 01/04/20	As per approved modified mining plan approved on 02.03.2016, the total reserves and resources have been indicated to the tune of 5335005 tonnes. Out of this 1040940 tonnes of reserves have been kept under 111 category.	During the year 2015-16 a total of 59997 tonnes of limestone has been produced during the year 2015-16. Thus balance reserves under 111 category is left to the tune of 980943 tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc			No exploration proposals are incorporated for the year 2015-16.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per proposals mining shall be carried out in Block A andc while developmental work shall be carried out in Block b where earlier formed benches were collapsed due to heavy rain in the area.	At the time of inspection no mining activities were undertaken as the targetted production has already been achieved by the lessee for the year 2016-17. However, the minin has been carried out at earmarked place during the year.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	As per proposals temporary dumping yard shall be made between contours 1260mrl and 1237mrl on non mineralised zone in Block A.	The temporary dumping yard has been made at earmarked place. The waste is being used for making parapet walls, retaining walls etc.	
2c	Stripping ratio or ore to OB ratio	1:.06	Stripping ratio is slightly more than projected.	
2d	Quantity of topsoil generation in m3	As per proposals little quantity of soil shall be generated	Little quantity of soil is generated during the course of mining.	
2e	Quantity of overburden generation in m3	As per proposals approximately 3758 tonnes of waste shall be generated during the year 2015-16.	against the proposals approximately 5000 tonnes of waste was generated during the year 2015-16.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			As per proposals intermediate benches were proposed to be developed in Block C but the same were not developed for which violation of rule 13(1) was pointed out to lessee. waste was also slightly more than anticipated.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	As per proposals mining shall be carried out in Two blocks i.e. Block a & B by making two pits. In Block B only developmental work shall be carried out.	At the time of inspection no mining operations were carried out. However, mining has been carried out at earmarked places.	
3b	Quantity of ROM mineral production proposed	During the year 2015-16 production has been proposed to the tune of 75150 tonnes.	Against the proposals approximately 60,000 tonnes of limestone has been produced during the year.	Production is slightly less than proposed.
3c	Recovery of sailable/usable mineral from ROM production	Approximately 95% is proposed and anticipated.	Recovery was around 90%.	
3d	Quantity of mineral reject generation	No mineral rejects are anticipated to be generated.	Rejects are not generated during the year 2015-16.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable.	
3f	Quantity of sub grade mineral generation.	Not applicable	Not applicable	
3g	Grade of sub grade mineral generation	Not applicable	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method is proposed.	manual method is adopted	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	It is not proposed	This has not been carried out.	Not required at present

3j	Provision of drilling and blasting in mineral benches	Provision of drilling and blasting are incorporated in the mining plan	Controlled drilling and blasting is carried out.	
3k	Provision of mining machineries in mineral benches	Provision of deployment of mining machineries have been made.	Mining is carried out with the deployment of mining machineries like JCB, loader etc.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	seperate benches for ore and overburden is not proposed.	Little quantity of waste is generated incidental to mining.	
3m	Total area covered under excavation/pits	As per approved modified mining plan approximately 2.0 hectares of land shall be covered under excavations/pits.	Approximately 1.9 hectares of land has been covered under excavation.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.06	ore to OB ratio is slightly more than projected.	
3o	Total area put in use under different heads at the end of year	Approximately 2.0 hectares of area has been proposed under different heads.	Approximately 2.1 hectares of area has been proposed under different heads.	
3p	Production of ROM mineral during the last five year period as applicable	Production proposed during the last five years is as: Year 2011-12-47950 t, 2012-13-52640t, 2013-14-58000, 2014-15-60000t, 2015-16-75150t.	Actual production during last five years- Year-2011-12-22301 t 2012-13-56079t 2013-14-34091t 2014-15-95332t 2015-16- 59997t	For excess production during the year 2014-15 court case was launched against the party.

3q General remarks of inspecting officers on method of mining etc.

Excess production was observed during the year 2014-15 for which court case has been launched against the party.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping is proposed.	Seperate dumping has been made on non mineralised ground.	
4b	Location of topsoil, OB and mineral reject dumps	As per proposals temporary dumping yard shall be made between contours 1260mrl and 1237mrl on non mineralised zone in Block A.	The temporary dumping yard has been made at earmarked place. The waste is being used for making parapet walls, retaining walls etc.	
4c	Number of dumps within lease area and outside of lease area	One dump is proposed.	Only one active dump has been observed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	As per proposals temporary dumping yard shall be made between contours 1260mrl and 1237mrl on non mineralised zone in Block A.	Dumping has been carried out at earmarked place.	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	None	One	
4g	Number of dumps established.	None	None	

4h	Whether Retaining wall or garland drain all along dumps are there.	Proposals are incorporated for retaining walls all along the dump.	Retaining walls have been provided.	
4i	Length of Retaining wall or garland drain all along dumps	specific length is not proposed	Approximately 20mts.	
4j	Number of settling ponds	None	None	
4k	Specific comments of inspecting officer on waste dump management			Check dams and retaining walls have been provided.

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.	It is proposed to develop green belt over the 7.5m barrier.	The same has yet not been provided during the year 2015-16.	
5b	Area under backfilling of mined out area	Approximately 0.05 hectares of area shall be covered for developing green belt.	The same has yet not been carried out.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	
5d	Total area fully reclaimed and rehabilitated	None	The area is not yet matured for backfilling.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The area is not yet matured for backfilling.

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).	It is proposed.	The same was not submitted for which violation of rule 23(E)(2) of MCDR 1988 was pointed out to lessee.	
6b	Area available for rehabilitation (ha) .	Approximately 0.05 hectares of area shall be covered for developing green belt.	The same has yet not been carried out.	
6c	afforestation done (ha).	50 saplings were proposed to be planted during the year 2015-16	Approximately 75 saplings were planted during the year 2015-16.	
6d	No. of saplings planted during the year	50 saplings were proposed to be planted during the year 2015-16	Approximately 75 saplings were planted during the year 2015-16.	
6e	Cumulative no .of plants	None	Approximately 300 cummulativesaplings were planted so far.	
6f	Any other method of rehabilitation	None	None	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Plantation and wire fencing is proposed during the year 2015-16.	Platation has been carried out.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	As per proposals 75150 tonnes of RoM was proposed to be dispatched.	Against the proposals approximately 60,000 tonnes of RoM was dispatched.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	

7c	Different grade of mineral sorted out at mines.	Gradewise sorting and sizing is proposed	Gradewise sorting and sizing is carried out.
7d	Any beneficiation process at mines	None	At present it is not required.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It is not proposed	Insignificant quantity of soil is generated.	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	As per proposals temporary dumping yard shall be made between contours 1260mrl and 1237mrl on non mineralised zone in Block A.	Dumping has been carried out at earmarked place.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposals are incorporated that waste shall be utilised for construction of check dams parapet walls etc.	The same is being utilised as proposed.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Area is yet not matured for phased restoration etc.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation proposals are incorporated.	Platation has been carried out.
8g	Survival rate	Not proposed	Survival rate is around 50%.
8h	Water sprinkling on roads to control airborne dust	Not proposed.	water sprinkling is carried out occasionally.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposals are incorporated.	Aesthetic beauty is not affected except some land degradation due to mining.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return for the year 2015-16 has been submitted. Similarly online monthly returns are being submitted regularly.	Annual return for the year 2015-16 has been submitted. Similarly online monthly returns are being submitted regularly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in the annual return	Given in the annual return	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in the annual return	Given in the annual return	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in the annual return	Given in the annual return	

9h	Scrutiny of Annual return on fixed assets	Given in the annual return	Given in the annual return
9k	Scrutiny of Annual return on mining machineries	Given in the annual return	Given in the annual return

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			

Date :

(SHAIENDRA SAKLANI)

Indian Bureau of Mines