INDIAN BUREAU OF MINES
MINERALS DEVELOPMEMT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-51 **Mine code : 38HPR10078**

(i) Name of the Inspecting Officer and ID No. : **S038) SHAILENDRA SAKLANI**

(ii) Designation : Assistant Mining Geologis

(iii) Accompaning mine Official with Designation : Sh. Som Prakash,Mine Manager

(iv) Date of Inspection : 24/10/2017

(v) Prev.inspection date : 01/10/2016

PART-I : GENERAL INFORMATION

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

(b) Registration NO. : **IBM/11131/2012**

(c) Category : A Other than Fully Mech.

(d) Type of Working : Opencast

(e) Postal address

State : HIMACHAL PRADESH

District : SIRMUR

Village : BANAUR

Taluka : PAONTA SAHIB

Post office :

Pin Code :

FAX No. : NA

E-mail : NA

Phone : (01704) 271223, 225330

(f) Police Station : PAONTA SAHIB

(g) First opening date : 01/11/2005

(h) Weekly day of rest : SUN

2. Address for correspondance : SHRI BALBIR SINGH SUPA RAM
VPO - KAMRAO, TEHSHIL - PAONTA SAHIB
DISRICT - SIRMOUR (HP)

3. (a) Lease Number : HPR0057

(b) Lease area : .8

(c) Period of lease : 50

(d) Date of Expiry : 01/09/2052

4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee	:	BALBIR SINGH SUPA RAM VPO-KAMROO TEHSHIL - PAONTA SAHIB DISTT. SIRMOUR SIRMUR HIMACHAL PRADESH Phone: FAX :
Owner	:	BALBIR SINGH SUPA RAM BALBIR SINGH SUPA RAM VPO-KAMRAO SIRMOUR, HP SIRMUR HIMACHAL PRADESH Phone: (01704) 271223, FAX : NA
Agent	:	BALBIR SINGH BALBIR SINGH SUPA RAM VPO-KAMRAO, TEHSHIL - PAONTA SAHIB SIRMOUR,HP SIRMUR HIMACHAL PRADESH Phone: (01704) 271223 FAX : NA

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 20/01/2003

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Propsals were incorporated.	There is no backlog of previous year.	
1b	Exploration over lease area for geological axis 1 or 2	Exploration by putting one trial pit was prposed during the year 2017-18.	Exploration could not carried out as the mining operations are temporarily discontinued since August 2017.	Exploration could not carried out as the mining operations are temporarily discontinued since August 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	It is proposed that one tril pit will be explored with an expeniture of Rs. 18000 during the year 2017-18.	Exploration could not carried out as the mining operations are temporarily discontinued since August 2017.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals are incorporated.	None	
1e	Balance reserve as on 01/04/20	The mining plan for this mine was approved on 18.6.2016 for a plan period upto 2020-21. As per mining plan atotal of 133047 tonnes of limestone is kept under 111 category.	During the year 2016-17 a total of 21122 tonnes of limestone was produced. Thus balence reserves as on 01.04.2017 is left to the tune of 111925 tonnes under 111 category.	Balence reserves as on 01.04.2017 is left to the tune of 111925 tonnes under 111 category.
1f	General remarks of inspecting officers on geology, exploration etc	Exploration proposals are incorporated.	Exploration could not carried out as the mining operations are temporarily discontinued since August 2017.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks

2a	Location of development w.r.t.lease area	As per proposal the mining shall be carried out between the local coordinates N 145 to N33 & E 225 to E 345 in the east west direction of the lease.	Mining is carried out at earmarked place. However, at present mining operations are temporarily discontinued due to local dispute.	Mining is carried out at earmarked place. However, at present mining operations are temporarily discontinued due to local dispute.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposals are not incorporated.	Little quantity of waste is generated at the mine. However, at present mining operations are temporarily discontinued due to local dispute. Some quantity of waste has not been dumped at earmarked place nor properly terraced.	Little quantity of waste is generated at the mine. However, at present mining operations are temporarily discontinued due to local dispute.
2c	Stripping ratio or ore to OB ratio	1:0.12	At present mining operations are temporarily discontinued due to local dispute. However during the year 2016-17 very little quantity of waste was generated. It was observed that some quantity of waste has been dumped outside the lease area. The waste dumped within the lease area was not properly terraced for which violation was issued to party.	At present mining operations are temporarily discontinued due to local dispute.
2d	Quantity of topsoil generation in m3	Proposals are not incorporated.	Insignificant quantity of top soil is generated.	Insignificant quantity of top soil is generated.

2e	Quantity of overburden generation in m3	As per proposals 939 cum of waste was expected to be generated during the year 2016-17.	During the year 2016-17 hardly 600 tonnes of waste was generated. However, the dumyard has not been properly terraced and stabilized for which violation has been issued to party for rectification. Some quantity of waste was not dumped at earmarked place. The waste dumped within the lease area was not properly terraced for which violation was issued to party.	During the year 2016-17 hardly 600 tonnes of waste was generated. Some quantity of waste was not dumped at earmarked place.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Adequate pit development proposals are incorporated.	Efforts have been made to develop the pit as proposed. However, at present mining operations are temporarily discontinued.	Efforts have been made to develop the pit as proposed. However, at present mining operations are temporarily discontinued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit is proposed for production.	Mining is carried out in single pit by formation of benches. However, at present mining is temporarily discontinued since August 2017.	Mining is carried out in single pit by formation of benches. However, at present mining is temporarily discontinued since August 2017.
3b	Quantity of ROM mineral production proposed	During the year 2016-17 the total quantity of ROM mineral production was proposed to the tune of 21135 tonnes.	Against the proposed production the lessee produced 21122 tonnes of limestone.	No excess production has been reported.
3c	Recovery of sailable/usable mineral from ROM production	As per proposal recovery is 90%.	More or less recovery is 90%.	More or less recovery is 90%.
3d	Quantity of mineral reject generation	No propsals are incorporated.	No mineral rejects are generated.	No mineral rejects are generated.

3e	Grade of mineral rejects generation and threshold value declared.	No propsals are incorporated.	Not applicable	
3f	Quantity of sub grade mineral generation.	No propsals are incorporated.	Not applicable	
3g	Grade of sub grade mineral generation	No propsals are incorporated.	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method is proposed.	Manual method is adopted.	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 is not being carried out.	
3j	Provision of drilling and blasting in mineral benches	Provisions are incorporated.	This is being practised.	
3k	Provision of mining machineries in mineral benches	Provisions are incorporated.	This is being practised. However,at present mining operations are temporarily discontinued.	At present mining operations are temporarily discontinued.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposals are not incorporated.	Mining is carried out by formation of benches. At present mining operations are temporarily discontinued.	Mining is carried out by formation of benches. At present mining operations are temporarily discontinued.
3m	Total area covered under excavation/pits	As per proposals it is 0.591 hectares.	more or less the area under excavation/ pits is 0.62 hectares.	more or less the area under excavation/ pits is 0.62 hectares.
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	This has not been maintained during the year since at present mining operations are temporarily discontinued since August 2017.	This has not been maintained during the year since at present mining operations are temporarily discontinued since August 2017.

3o	Total area put in use under different heads at the end of year	0.836 hectares during plan period.	Approximately 0.62 hectares as on date of inspection.	
3p	Production of ROM mineral during the last five year period as applicable	Proposed- 2012-13- 15176 tonnes 2013-14- 15669 tonnes 2014-15- 15318 tonnes 2015-16- 15318 tonnes 2016-17- 21135 tonnes	Actual- 2012-13- 11798 tonnes 2013-14- 18509 tonnes 2014-15- 22801 tonnes 2015-16- 15286 tonnes 2016-17- 21135 tonnes	Court case has been launched against the lessee for excess production in the past.
3q	General remarks of inspecting officers on method of mining etc.	Adequate propsals are incorporated for mine development.	Efforts are being put by the lessee to adhere the mining proposals. However, at present mining operations are temporarily discontinued due to local dispute as on date of inspection.	Efforts are being put by the lessee to adhere the mining proposals. However, at present mining operations are temporarily discontinued due to local dispute as on date of inspection.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals are incorporated.	Little quantity of waste is generated which is dumped at earmarked place. However, the dump is not properly terraced and stabilized for which violation has been issued to lessee. It was also observed that some quantity of waste has been dumped outside the lease area.	Little quantity of waste is generated which is dumped at earmarked place. However, the dump is not properly terraced and stabilized for which violation has been issued to lessee. It was also observed that some quantity of waste has been dumped outside the lease area.

4b	Location of topsoil, OB and mineral reject dumps	As per prposals the waste shall be dumped in the western part of the lease in mineralised area.	Waste being generated has not been properly terraced and suitably stabilised. It was also observed that some quantity of waste has been dumped outside the lease area.	Waste being generated has not been properly terraced and suitably stabilised. It was also observed that some quantity of waste has been dumped outside the lease area.
4c	Number of dumps within lease area and outside of lease area	Single dump is proposed	Single dump is observed within the lease area It was also observed that some quantity of waste has been dumped outside the lease area.	Single dump is observed within the lease area. It was also observed that some quantity of waste has been dumped outside the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In the western portion of the lease on non mineralised ground	At earmarked place i.e. in the western portion of the lease on non mineralised ground but not properly terraced. It was also observed that some quantity of waste has been dumped outside the lease area.	It was also observed that some quantity of waste has been dumped outside the lease area.
4e	Number of active and alive dumps.	Only one dump is proposed.	Only one dump is observed within the lease area. It was also observed that some quantity of waste has been dumped outside the lease area.	Only one dump is observed within the lease area.
4f	Number of dead dumps.	Not proposed	Not observed.	
4g	Number of dumps established.	Not proposed	Not estabilished.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposals have been incorporated.	Proposals has not been implemented for which violation has been issued to lessee.	Proposals has not been implemented for which violation has been issued to lessee.
4i	Length of Retaining wall or garland drain all along dumps	The same has not been quantified.	This has yet not been errected.	
4j	Number of settling ponds	Proposals not incorporated	None	
4k	Specific comments of inspecting officer on waste dump management	Adequate proposals are incorporated.	Proposals has not been implemented.	Proposals has not been implemented.

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.	No proposals are incorporated.	Area yet not matured for backfilling	Area yet not matured for backfilling
5b	Area under backfilling of mined out area	No proposals are incorporated.	Area yet not matured for backfilling	Area yet not matured for backfilling
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Area yet not matured for backfilling	Very little quantity of top soil is generated.	Very little quantity of top soil is generated.
5d	Total area fully reclaimed and rehabilitated	No proposals are incorporated.	Area yet not matured for reclamation and rehabilitation. However few saplings have been planted by the lessee.	Area yet not matured for reclamation and rehabilitation. However few saplings have been planted by the lessee.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposals are incorporated.	Area yet not matured for backfilling.	Area yet not 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).	Proposals are incorporated.	Annual report has not been submitted for which violation has been issued to lessee for rectification.	Annual report has not been submitted for which violation has been issued to lessee for rectification.
6b	Area available for rehabilitation (ha) .	Proposals are incorporated by way of plantation	Lessee has planted around 100 saplings outside the lease area.	Lessee has planted around 100 saplings outside the lease area

6c	afforestation done (ha).	15 saplings each year are proposed to be planted during the plan period,	Lessee has planted around 100 saplings outside the lease area	Lessee has planted around 100 saplings outside the lease area
6d	No. of saplings planted during the year	15 saplings each year are proposed to be planted during the plan period,	None as the mining operatios are temporarily discontinued.	None as the mining operatios are temporarily discontinued.
6e	Cumulative no .of plants	15 saplings each year are proposed to be planted during the plan period. Thus cummulative a total of 75 saplings are proposed.	100 saplings approximately.	100 saplings approximately.
6f	Any other method of rehabilitation	Not proposed	none	
6g	Cost incurred on watch and care during the year	Rs. 10000 as per proposal.	Approximately Rs 1000.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Proposals are not incorporated	None	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Proposals are incorporated	None	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Proposals are not incorporated	None	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Proposals are not incorporated	None	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Proposals are not incorporated	None	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Proposals are not incorporated	None	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Proposals are not incorporated	None	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Proposals are not incorporated	None	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposals are incorporated for environmental monitoring	Environmental monitoring has been carried out.	Environmental monitoring has been carried out.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposals are incorporated.	At present mine is temporarily discontinued.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is not proposed.	Gradewise sorting is not carried out	Gradewise sorting is not carried out

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual method is adopted.	Manual method is adopted.
7c	Different grade of mineral sorted out at mines.	Gradewise sorting is not proposed.	Gradewise sorting is not carried out.	Gradewise sorting is not carried out.
7d	Any beneficiation process at mines .	Not proposed	Beneficiation is not carried out.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mieral conservation aspects are incorporated.	There is no problem of mineral conservation at this mine.	There is no problem of mineral conservation at this mine.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposals are not incorporated.	Insignificant quantity of soil is generated.	Insignificant quantity of soil is generated.
8b	Concurrent use or storage of topsoil	Proposals are not incorporated.	Insignificant quantity of soil is generated.	Insignificant quantity of soil is generated.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal of dump has been incorporated.	Dumping is 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 for use of waste.	Waste is being used for the construction of check dams, retaining walls and parapet walls.	Waste is being used for the construction of check dams, retaining walls and parapet walls.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposals are not incorporated	Area is yet not matured for reclamation and rehabilitation.	Area is yet not matured for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Information has been incorporated.	Plantation work has been carried out.	
8g	Survival rate	The same has not been incorporated.	Survival rate is around 50%.	Survival rate is around 50%.
8h	Water sprinkling on roads to control airborne dust	Prposals are not incorporated.	Water sprinkling is carried out occasionally.	Water sprinkling is carried out occasionally.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Prposals are incorporated.	Aesthetic beuty is maintained except degradation of land due to mining.	Aesthetic beuty is maintained except degradation of land due to mining.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly returns are being submitted regularly. Annual return for the year 2016-17 has already been submitted.	Monthly returns are being submitted regularly. Annual return for the year 2016-17 has already been submitted.	Monthly returns are being submitted regularly. Annual return for the year 2016-17 has already been submitted.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information has been furnished.	Scrutinised from this point of view.	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information has been furnished	Scrutinised from this point of view.
9d	Scrutiny of Annual return on afforestation	Information is given.	Scrutinised from this point of view.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information is given	Mineral rejects are not generated at this mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information is furnished.	scrutinised from this point of view.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Information is given	Scrutinised from this point of view.
9h	Scrutiny of Annual return on fixed assets	Information is given partly.	Information is given partly.
9k	Scrutiny of Annual return on mining machineries	Information is given	Scrutinised from this point of view.

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
MCDR17	Rule 26(2)	06/01/2018				
MCDR17	Rule 28(1)	06/01/2018				
MCDR17	Rule 33	06/01/2018				
MCDR17	Rule 37(5)	06/01/2018				

Date :

(**SHAILENDRA SAKLANI**)

Indian Bureau of Mines