

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-41

Mine code : 38HPR10035

- (i) Name of the Inspecting : 002) DAMODAR PRASAD SHARMA
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Deepak Chawla, Mine Onwer
Official with
Designation
- (iv) Date of Inspection : 13-OCT-22
- (v) Prev.inspection date : 23-DEC-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BANOUR
- (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-JAN-92
- (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-AUG-40
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-JUL-98
 Termination date

Manager

Name : Kundan Singh Negi
 Qualification : Mine Forman Certificate Holder
 Appointment/ : 02-OCT-14
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining

: Fresh under rule 22 MCR1960	09-OCT-90
Mining Scheme rule 12 MCDR1988	26-JUL-99
Mining Scheme rule 12 MCDR1988	17-JUN-05
FMCP under 23C(1)	10-AUG-11
Modif. of approved Mining Plan	22-DEC-11

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As approved mining plan no exploration proposed during plan period.	As approved mining plan no exploration proposed during plan period.	
1b	Exploration over lease area for geological axis 1 or 2	G1- 4.59 ha, G2- Nil , G3- 0.16 ha	G1- 4.59 ha, G2- Nil , G3- 0.16 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Applicable	Not Applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No exploration proposed during year 2021-22	No exploration was carried out during year 2021-22	
1e	Balance reserve as on 01/04/20	Balance reserve as on under 111 0.395658 Million Tonnes	Balance reserve as on under 111 0.395658 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Nearly almost total potentially area cover under G-1 axis and no further exploration was proposed in approved mining plan. No exploration was carried out during year 2021-22.	Nearly almost total potentially area cover under G-1 axis and no further exploration was proposed in approved mining plan. No exploration was carried out during year 2021-22.	

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is to proposed that during year the 2021-22 mining shall be carried out in two blocks namely Eastern and Western Block by formation of Benches 5 meter height.	It is to proposed that during year the 2021-22 mining shall be carried out in two blocks namely Eastern and Western Block by formation of Benches 5 meter height.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposals incorporated.	No proposals incorporated.	
2c	Stripping ratio or ore to OB ratio	1:00.00	1:00.00	
2d	Quantity of topsoil generation in m3	small quantity of top soil generated which used for plantation purpose.	small quantity of top soil generated which used for plantation purpose.	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

Development of pit was carried out at earmarked place but benches not formed in eastern block from 1415 mRl to 1405 mRl and benches height observed more than proposals in western block. Violation point out to lessee as per rule 11(1) of MCDR-2017.

Development of pit was carried out at earmarked place but benches not formed in eastern block from 1415 mRl to 1405 mRl and benches height observed more than proposals in western block. Violation point out to lessee as per rule 11(1) of MCDR-2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2	2	
3b	Quantity of ROM mineral production proposed	92000 Tonnes	65007 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	95 % recovery from ROM	95 % recovery from ROM	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	
3f	Quantity of sub grade mineral generation.	Nil	Nil	

- 3g Grade of sub grade mineral generation Not Applicabl Not Applicabl
- 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 Applicable Not Applicable
- 3j Provision of drilling and blasting in mineral benches Yes, Drilling operation carried out with used of Jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator. Jack hammer drilling and blasting operation is carried out in the mine.
- 3k Provision of mining machineries in mineral benches JCB excavators with bucket capacity 0.6 cum using for limestone loading operation and Tata hyva 09 tonnes tippers used for transportation of limestone form mine to stock yard . excavators with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 09 tonnes tippers used for transportations of limestone form mine to stock yard .

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Benches height observed more than proposals, violation point out to lessee.		
3m	Total area covered under excavation/pits	3.61 ha during plan period	3.05 ha		
3n	Ore to OB ratio for the pit/mine during the year.	1:00.00	1:00.00		
3o	Total area put in use under different heads at the end of year	3.610 ha during plan period	3.610 ha during plan period		
3p	Production of ROM mineral during the last five year period as applicable	2017-18 92050 Tonnes 2018-19 736765 Tonnes 2019-20 89660 Tonnes 2020-21 92000 Tonnes 2021-22 92000 Tonnes 2019-20	2017-18 75164 Tonnes 2018-19 0 2019-20 85898 Tonnes 2020-21 55117 Tonnes 2021-22 65007 Tonnes	No excess production observed,	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposals are incorporated for separate dumping of Waste and Soil.	No proposals are incorporated for separate dumping of Waste and Soil.	

4b	Location of topsoil, OB and mineral reject dumps	No proposals incorporated for separated dumping during plan period. Any waste generated which to be dumped already existed dump .	No proposals incorporated for separated dumping during plan period. Any waste generated which to be dumped already existed dump .
4c	Number of dumps within lease area and outside of lease area	1	1
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposals incorporated for waste dump	No proposals incorporated for waste dump
4e	Number of active and alive dumps.	1	1
4f	Number of dead dumps.	None	None
4g	Number of dumps established.	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals incorporated	No proposals incorporated
4i	Length of Retaining wall or garland drain all along dumps	No proposals incorporated	No proposals incorporated
4j	Number of settling ponds	None	None
4k	Specific comments of inspecting officer on waste dump management	No proposals incorporated for separated dumping during plan period.	No proposals incorporated for separated dumping during plan period. However small quantity interburden waste generated which used for haul road maintenance purpose. .

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.	Not Applicable	Not Applicable	
5b	Area under backfilling of mined out area	Not Applicable	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	small quantities of top soil generated which used for planation purpose.	small quantities of top soil generated which used for planation purpose.	
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet not matured for back filling.	Area yet not matured for back filling.	

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).	submitted	submitted	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	0.1 ha	0.1 ha	
6d	No. of saplings planted during the year	100	50	

- 6f Any other method of rehabilitation Not Applicable Not Applicable
- 6g Cost incurred on watch and care during the year 10000 Rs 5000 Rs
- 6h Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D) Not Applicable Not Applicable
- 6i Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings Not Applicable Not Applicable
- 6j Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area Not Applicable Not Applicable
- 6k Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir Not Applicable Not Applicable
- 6l Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. Not Applicable Not Applicable
- 6m Compliance of rehabilitation of waste land within lease (i) afforestation Not Applicable Not Applicable

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitored	Monitored
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP proposals implemented .	PMCP proposals implemented .

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated	No proposals incorporated	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	

7e General remarks of inspecting officer on Mineral conservation and beneficiation issues All ROM dispatched All ROM dispatched

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Small quantity of Top soil generated which used for plantaion purpose.	Small quantity of Top soil generated which used for plantaion purpose.	
8b	Concurrent use or storage of topsoil	Small quantity of Top soil generated which used for plantaion purpose.	Small quantity of Top soil generated which used for plantaion purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals incorporated	No proposals incorporated	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposals incorporated	No proposals incorporated	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Information given	Information given	
8g	Survival rate	70%	65%	

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust surpression	Water sprikling on haul road for dust surpression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is maintained except degradation of land.	Aesthetic beauty is maintained except degradation of land.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly and Annual Return Submitted.	All Monthly and Annual Return Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Mine Manger Appointed and Geologist appointed.	Mining Engineer and Mine Manger Appointed and Geologist appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given	Information given	
9d	Scrutiny of Annual return on afforestation	Information given	Information given	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No minerals rejecte reported in annual return	No minerals rejecte reported in annual return	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Information given	

- 9g Scrutiny of Return Found within limit
Annual return on scrutinized
sale value, Ex. for Ex. Mine
Mine price and price and cost
production cost of production.
- 9h Scrutiny of Information Information given
Annual return on given
fixed assets
- 9k Scrutiny of Information Information given
Annual return on given
mining
machineries

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
MCDR17	Rule 11(1)	01-NOV-22			
MCDR17	Rule 27(2)	01-NOV-22			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines