

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-27

Mine code : 38HPR10029

- (i) Name of the Inspecting : **002**) **DAMODAR PRASAD SHARMA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. Som Prakash Tomar , Mine Manager and Narendra Tha
Official with
Designation
- (iv) Date of Inspection : 12-JUN-23
- (v) Prev.inspection date : 13-JUN-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHIMGODA**
- (b) **Registration NO.** : **IBM/7858/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : BAGANDHAR
Taluka : KAMRAOO
Post office : KAMRAOO
Pin Code : 173029
FAX No. : N.A
E-mail : N.A
Phone : (01704)-62519,62521; 71219.
- (f) Police Station : PAONTA SAHIB
- (g) First opening date : 01-JAN-85
- (h) Weekly day of rest : SUN
2. Address for : M/S SOHAN SINGH MEET SINGH
correspondance VPO - KAMRAU
DISTRICT - SIRMOUR (H.P.)
3. (a) Lease Number : HPR0032
- (b) Lease area : 3.32
- (c) Period of lease : 50
- (d) Date of Expiry : 17-APR-34
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : Sohan Singh Meet Singh
 VPO- Kamrao Distt.-Sirmaur
 (H.P.) SIRMUR HIMACHAL
 PRADESH
 Phone:
 FAX :

Owner : Sohan Singh
 Sohan Singh VPO-Kamrao
 Distt.-Sirmaur SIRMUR
 HIMACHAL PRADESH
 Phone:
 FAX :

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	19-SEP-91
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29-JAN-98
		Mining Scheme rule 12 MCDR1988	21-APR-03
		Renewal under rule 22 MCR1960	23-MAR-09
		Mining Scheme rule 12 MCDR1988	11-DEC-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	ML is explored upto G-1 level.	ML is explored upto G-1 level.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	Not Mentioned	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Area is explored up to G-1.	Entire Area is explored up to G-1.	
1e	Balance reserve as on 01/04/20	Balance Reserves Under 111 1137468.25 Tonnes	Balance Reserves Under 111 1137468.25 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc	Entire ML area is already Explored up to G-1 level.	Entire ML area is already Explored up to G-1 level.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to work in the old open pit with advancement direction towards NW up to 1956 mRl.	Development work was carried out with in proposed area but benches height more than 6 meter , violation letter issued to lessee under 11(1) of MCDR-2017.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Proposed.	Not Proposed.	

2c	Stripping ratio or ore to OB ratio	1:00	1:0.020
2d	Quantity of topsoil generation in m3	Not Proposed	Nil
2e	Quantity of overburden generation in m3	Not Proposed	900 tonnes interburden waste generated during the year.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development work was carried out with in proposed area but benches height more than 6 meter , violation letter issued to lessee under 11(1) of MCDR-2017.	Development work was carried out with in proposed area but benches height more than 6 meter , violation letter issued to lessee under 11(1) of MCDR-2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	105212 Tonnes	93384 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	Not Applicable	

3f	Quantity of sub grade mineral generation.	Not Proposed	Nil
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposed	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.	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.
3k	Provision of mining machineries in mineral benches	Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Trucks 9 tonnes used for transporation of limestone form mine to stock yard .	Hydraulic excavators L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation and Trucks 9 tonnes used for transporation of limestone form mine to stock yard .

3m	Total area covered under excavation/pits	2.12 ha	2.10 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.020	1:0.020	
3o	Total area put in use under different heads at the end of year	2.87 ha	2.87 ha	
3p	Production of ROM mineral during the last five year period as applicable	2019-20 105210 tonnes 2020-21 105212 Tonnes 2021-22 105212 Tonnes 2022-23 105212 Tonnes	2019-20 2020-21 2021-22 2022-23	34485 tonnes 71505 Tonnes 75348 Tonnes 93383 Tonnes
3q	General remarks of inspecting officers on method of mining etc.	HEMM is being used for loading operation and tipers deployed for limestone transporation.	HEMM is being used for loading operation and tipers deployed for limestone transporation.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Mineral reject stacked proposed south east of ML near pillars C-D-E.	Minerals rejects stacked at ermarked place.	
4b	Location of topsoil, OB and mineral reject dumps	Minerals reject proposed near boundary pillar C&D	Minerals rejects stacked at ermarked place.	
4c	Number of dumps within lease area and outside of lease area	Two small size mineral reject dump observed in mine.	Two small size mineral reject dump observed in mine.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump located within UPL.	Dump located within UPL.
4e	Number of active and alive dumps.	2	2
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	None	None
4k	Specific comments of inspecting officer on waste dump management	Mineral reject stack proposed seperately of SE of lease boundary line near C-D-E pillars.	Mineral reject stacked at earmarked palace.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Proposals not incorporated.	Not Applicable	
5b	Area under backfilling of mined out area	Not proposed	Not Applicable	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Small Quantity of Top soil generated which used for Planation purpose.	Small Quantity of Top soil generated which used for Planation purpose.
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet to not matured for back filling.	Area yet to 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 Proposed	Not Applicable	
6c	afforestation done (ha).	0.053 ha	0 ha	
6d	No. of saplings planted during the year	80 nos	0 nos, Planation work not done mine as per proposals, violation point out to lessee as per rule 11(1) of MCDR-2017.	
6e	Cumulative no .of plants	250 Nos	220 Nos	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	Not Proposed	Not mentioned	

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.	Planation work not done mine as per proposals, violation point out to lessee as per rule 11(1) of MCDR-2017.	Planation work not done mine as per proposals, violation point out to lessee as per rule 11(1) of MCDR-2017.

Mineral Conservation:

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

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM sell to directly into Market.	ROM sell to directly into Market.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals incorporated	Not Applicable	
8b	Concurrent use or storage of topsoil	Not Proposed	However small quantity of top soil generated wchich used for planation purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal incorporated for Mineral reject stack	Proposal incoporated for Mineral reject stack	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	As per approved Mining Baseline Study done.
8g	Survival rate	70%	70%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road for dust surpression proposed.	Water sprinkling on haul road for dust surpression proposed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic Beauty maintain except land degradation.	Aesthetic Beauty maintain except land degradation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist appointed.	Mining Engineer 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)	Information Given	Information Given
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information furnished regarding ROM Stock.	Information furnished regarding ROM Stock.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return Scrutinized for Ex Mine Price and Cost production . Found within limit.	Return Scrutinized for Ex Mine Price and Cost production . Found within limit.
9h	Scrutiny of Annual return on fixed assets	Information given	Information given
9k	Scrutiny of Annual return on mining machineries	Information given	Information given

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)	26-JUL-23			
MCDR17	Rule 45(7) (a)	26-JUL-23			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines