

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SRM/LST-3

Mine code : 38HPR10012

- (i) Name of the Inspecting : **002**) **DAMODAR PRASAD SHARMA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Kapil Anand, Mine Owner Representative
Official with
Designation
- (iv) Date of Inspection : 13-MAR-23
- (v) Prev.inspection date : 29-JUL-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HIYONA**
- (b) **Registration NO.** : **IBM/361/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : HIMACHAL PRADESH
District : SIRMUR
Village : HIYONA
Taluka : PAONTA SAHIB
Post office : SATAUN
Pin Code : 173029
FAX No. : (01704) 222340
E-mail : kapilanand51@gmail.com
Phone : (01704) 222871
- (f) Police Station : PAONTA SAHIB
- (g) First opening date : 07-NOV-63
- (h) Weekly day of rest : SUN
2. Address for : SHRI K. K. ANAND
correspondance BATA MANDI, PAONTA SAHIB
DISTRICT - SIRMOUR (H.P)
3. (a) Lease Number : HPR0023
- (b) Lease area : 18.21
- (c) Period of lease : 50
- (d) Date of Expiry : 05-NOV-23
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : K.K.ANAND
 BATA MANDI PAONTA SAHIB
 SIRMUR HIMACHAL PRADESH
 Phone:
 FAX :

Owner : K. K. Anad
 Himachal Mines & Quarries
 Bata Mandi Paota Sahib
 SIRMUR HIMACHAL PRADESH
 Phone: (01704) 22340
 FAX :

Agent : K. K. Anand
 Bata Mandi Paonta sahib
 SIRMUR HIMACHAL PRADESH
 Phone: 01704-22340
 FAX :

Manager
 Name : SIYA RAM SINGH
 Qualification : DIM & FOREMAN CERTIFICATE HOLDER
 Appointment/ : 01-APR-07 01-JAN-12
 Termination date

6. Date of approval of Mining : Existing rule 11 MCDR1988 02-DEC-91
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 01-JUL-98
 Renewal under rule 22 MCR1960 25-MAY-05
 Modif.of approved Mining Plan 10-NOV-09
 Mining Scheme rule 12 MCDR1988 01-JUN-11

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	No proposals incorporated, all ponteial area cover under G-1 axis.	No exploration was carried out during year 2022-23	
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	G-1 5.80 ha and 12.41 ha non mineralized area in mining lease.	G-1 5.80 ha and 12.41 ha non mineralized area in mining lease.	
1e	Balance reserve as on 01/04/20	Under 111 1.2031 Millions Tonnes as on 01.04.2023	Under 111 1.2031 Millions Tonnes as on 01.04.2023	
1f	General remarks of inspecting officers on geology, exploration etc	No exploration was carried out during year 2022-23, no proposals incorporated, all ponteial area cover under G-1 axis.	No exploration was carried out during year 2022-23, no proposals incorporated, all ponteial area cover under G-1 axis.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Development of pit proposed 1417 mRl to 1369 mRl by formation benches 06 meter height.	Development of the pit as per proposal in the modified mining plan.But Benches height observed more than proposals, violation letter issued to lessee as per Rule 11(1) of MCDR-2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal incorporated	No proposal incorporated
2c	Stripping ratio or ore to OB ratio	1:00	1:0.01
2d	Quantity of topsoil generation in m3	No top soil generated during year 2022-23	No top soil generated during year 2022-23
2e	Quantity of overburden generation in m3	No proposals incorporated	950 cum waste generated
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development of the pit as per proposal in the modified mining plan.But Benches height observed more than proposals, violation letter issued to lessee as per Rule 11(1) of MCDR-2017.	Development of the pit as per proposal in the modified mining plan.But Benches height observed more than proposals, violation letter issued 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	1	1	

3b	Quantity of ROM mineral production proposed	124566 Tonnes	95650 Tonnes
3d	Quantity of mineral reject generation	12457 Tonnes	No Minerals generated
3e	Grade of mineral rejects generation and threshold value declared.	Not Applicable	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	No proposals incorporated	No proposals incorporated
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed	No beneficiation study proposed
3j	Provision of drilling and blasting in mineral benches	Adopting conventional method of drilling & blasting in mine.	Adopting conventional method of drilling & blasting in mine.
3k	Provision of mining machineries in mineral benches	Yes, Shovel(0.9 cu.m) and JCB (0.3 cu.m) and 9 Tonnes capacity tippers deployed for limestone transportation	Yes, Shovel(0.9 cu.m) and JCB (0.3 cu.m) and 9 Tonnes capacity tippers deployed for limestone transportations

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, but benches height observed more than proposed, Violation point out to lessee under rule 11(1) of MCDR-2017	Yes, but benches height observed more than proposed, Violation point out to lessee under rule 11(1) of MCDR-2017	
3m	Total area covered under excavation/pits	2.856 ha	2.85 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:00.00	1:00.01	
3o	Total area put in use under different heads at the end of year	5.15 ha	5.15 ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 175770 Tonnes 2019-20 195300 Tonnes 2020-21 163636 Tonnes 2021-22 163363 Tonnes 2022-23 124566 Tonnes	2018-19 98230 Tonnes 2019-20 95776 Tonnes 2020-21 92147 Tonnes 2021-22 135225 Tonnes 2022-23 95651 Tonnes	
3q	General remarks of inspecting officers on method of mining etc.	Excavation work was carried out with in proposed limit.	Excavation work was carried out with in proposed limit. But Benches height observed more than proposals , violation point out to lessee as per rule 11(1) of MCDR 2017.	Excavation work was carried out with in proposed limit. But Benches height observed more than proposals , violation point out to lessee as per rule 11(1) of MCDR 2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposals incorporated	950 Cum waste generated during year 2022-23.
4b	Location of topsoil, OB and mineral reject dumps	3386890N to 3386969 N, 753560 E to 753654E	Dumping more or less carried out as per proposals.
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)	3386890N to 3386969 N, 753560 E to 753654E	3386890N to 3386969 N, 753560 E to 753654E
4e	Number of active and alive dumps.	1	1
4f	Number of dead dumps.	1	1
4g	Number of dumps established.	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposals incorporated	No garland was developed in mine during year 2022-23
4i	Length of Retaining wall or garland drain all along dumps	130 meter	Retaining Wall was not erected.
4j	Number of settling ponds	No proposals incorporated	None
4k	Specific comments of inspecting officer on waste dump management	Dumping carried out more or less as per proposals.	Dumping carried out more or less as per proposals.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No backfilling proposals incorporated during year 2022-23.	No backfilling proposals incorporated during year 2022-23.
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)	Not Applicable	Not Applicable
5d	Total area fully reclaimed and rehabilitated	No proposals incorporated	No proposals incorporated
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No proposals incorporated for backfilling	No backfilling was carried out during year 2022-23

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	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) .	1.5 ha Regrassing proposed	Plantation and Regrassing was not carried out, Violation point out to lessee as per rule of MCDR-2017.	
6c	afforestation done (ha) .	1 ha	nil	
6d	No. of saplings planted during the year	500 Nos	100	
6e	Cumulative no .of plants	2350	2000 nos	

6f	Any other method of rehabilitation	Only Planation proposals incorporated	Only Planation proposals incorporated
6g	Cost incurred on watch and care during the year	24000	5000
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 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 and FMCP proposals not implemented in mine as per proposals , Violation Letter issued to lessee as per rule 11(1) and 26(1) of MCDR-2017.	PMCP and FMCP proposals not implemented in mine as per proposals , Violation Letter issued to lessee as per rule 11(1) and 26(1) of MCDR-2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Minerals incorporated	No Minerals incorporated	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal incorporated	No Proposal incorporated	
7c	Different grade of mineral sorted out at mines.	No proposals incorporated	No proposals incorporated	

7d	Any beneficiation process at mines .	Not Applicable	Not Applicable
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	90% ROM Dispatched from Mine	90% ROM Dispatched from Mine

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals incorporated	No proposals incorporated	
8b	Concurrent use or storage of topsoil	No Top Soil Generated during year 2022-23	No Top Soil Generated during year 2022-23	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposals incorporated	Proposals incorporated	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	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)	Basline study done	Basline study done
8g	Survival rate	80%	70%
8h	Water sprinkling on roads to control airborne dust	Proposals incorporated	Water sprinkling on haul road for dust surpression
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic environment is good except degradation of land.	Aesthetic environment is good except degradation of land.

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 given	Information given
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price and cost of production with in limit.	Ex Mine price and cost of production with in 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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	12-APR-23			
MCDR17	Rule 26(1)	12-APR-23			

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines