

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

MCDR INSPECTION REPORT

Dehradun regional office

Mine file No : HP/SOLAN/LST-2

Mine code : 38HPR11004

- (i) Name of the Inspecting : **002**) **DAMODAR PRASAD SHARMA**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Dhoora Benival, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 13-OCT-23
- (v) Prev.inspection date : 20-DEC-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BAGA-BHALAG**
- (b) **Registration NO.** : **IBM/720/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : HIMACHAL PRADESH
- District : SOLAN
- Village : BAGABHALAG DARLAMORE
- Taluka : SOLAN
- Post office : KANDHAR
- Pin Code : 171102
- FAX No. : (1978)249178
- E-mail : amitk.dubey@adityabirla.co
- Phone : (1978)249174,249174,249175
- (f) Police Station : DARALAGHAT
- (g) First opening date : 23-JAN-10
- (h) Weekly day of rest : SUN
2. Address for : M/s ULTRATECH CEMENT LTD
correspondance VILLAGE - BAGA, PO - KANDHAR
TEHSHIL - ARKI, DISTT- SOLAN (HP)
3. (a) Lease Number : HPR0085
- (b) Lease area : 324.48
- (c) Period of lease : 50
- (d) Date of Expiry : 28-SEP-57
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : JAI PEE HIMACHAL CEMENT PLANT
 UNIT BAGHA TEHSHIL - ARKI
 SOLAN HIMACHAL PRADESH
 Phone:
 FAX :

Owner : Omprakash Puranmalka
 VILL- BAGA, POST- KANDHAR
 DIST- SOLAN, HIMACHAL
 PRADESH SOLAN HIMACHAL
 PRADESH
 Phone:
 FAX :

Agent : AMIT KUMAR
 VILLAGE- BAGA, POST-
 KANDHAR DIST- SOLAN,
 HIMACHAL PRADESH SOLAN
 HIMACHAL PRADESH
 Phone:
 FAX :

Mining Engineer

Name : Kaushik Das, Full Time
 Qualification : B.E. (Mining)
 Appointment/ : 12-OCT-07 19-JUN-14
 Termination date

Mining Engineer

Name : SURAJ KUMAR GUPTA, Full Time
 Qualification :
 Appointment/ : 11-JAN-16
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 01-JUN-05
 Modif.of approved Mining Plan 19-DEC-12

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	All Potential area explored under G-1 axis.	All Potential area explored under G-1 axis.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration was proposed during 2022-23.	No exploration was done during year 202223.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	All Potential area explored under G-1 axis.	All Potential area explored under G-1 axis.	
1e	Balance reserve as on 01/04/20	Balance reserved as ob 01.04.2023 Limestone under 111 216.485 Million Tonnes , 121&122 170.513 Millions Tonnes. Shale under 111 25.332 Million Tonnes.	Balance reserved as ob 01.04.2023 Limestone under 111 216.485 Million Tonnes , 121&122 170.513 Millions Tonnes. Shale under 111 25.332 Million Tonnes.	
1f	General remarks of inspecting officers on geology, exploration etc	All Potential area explored under G-1 Axis.	All Potential area explored 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 proposed in two blocks Baga and Bhalag . "Bhalag Block 3468695-3468905 N to 680628-680327 E 3468308-3468682 N to 680744-681553 E 3468043-3468378 N to 680982-681239 E Baga Block 3467063-3466949 N to 679700-680265 E"	Development work was carried out within proposed area.
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00
2d	Quantity of topsoil generation in m3	No topsoil proposals incorporated	Small Quantity of Top soil generated during year 2022-23, which used for planation 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 work carried out in two Block Baga and Bhalag Block, Development work carried out within proposed area.	Development work carried out in two Block Baga and Bhalag Block, Development work carried out within proposed area.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	2	2
3b	Quantity of ROM mineral production proposed	5.25 Millions Tonnes Limestone 4.725 Millions Tonnes and Shale 0.525 Millions Tonnes.	Limestone 3.31 Millions Tonnes and Shale 0.32 Millions Tonnes.
3c	Recovery of sailable/usable mineral from ROM production	All ROM used for Cement Manufacturing Purpose.	All ROM used for Cement Manufacturing Purpose.
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.	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 beneficiations study proposed.	No beneficiations was carried out in mine.
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and blasting proposed in mine.	Deep holes drilling and blasting was carried out in mine.

3k	Provision of mining machineries in mineral benches	Drilling Blasting with mechanised loading and transportation upto the crusher is proposed.	Sandvik drill machines ,Suitable excavators of 5 to 6 m3 bucket capacity with 35 T and 50T dumpers have been provided In mine.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	66.67 ha	61.26 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	74.77 ha	74.77 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 5.25 Million Tonnes 2019-20 5.25 Million Tonnes 2020-21 5.25 Million Tonnes 2021-22 5.25 Million Tonnes 2022-23 5.25 Million Tonnes	2018-19 2.98 Million Tonnes 2019-20 2.79 Million Tonnes 2020-21 2.48 Million Tonnes 2021-22 2.98 Million Tonnes 2022-23 3.63 Million Tonnes
3q	General remarks of inspecting officers on method of mining etc.	No Excessee Production observed during last five year.	No Excessee Production observed during last five year.

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)	Not proposed	Not generated as well.
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	Not applicable
4c	Number of dumps within lease area and outside of lease area	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable
4e	Number of active and alive dumps.	Nil	Nil
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposals incorporated	Not Applicable
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Not applicable
4j	Number of settling ponds	None	Check dams have been provided along the water way which not only arrests the silt but also act as settling pond.
4k	Specific comments of inspecting officer on waste dump management	No overburden generated during the year 2022-23.	No overburden generated during the year 2022-23.

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.	Not proposed	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)	For Plantations purposes.	For Plantations purposes.
5d	Total area fully reclaimed and rehabilitated	Not Applicable	Not Applicable
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Area yet to mature for backfilling.	Area yet to mature for backfilling.

Progressive Mine Closure 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) .	No proposals incorporated.	Not applicable at present	
6c	afforestation done (ha) .	1585 nos	1500 nos	
6e	Cumulative no .of plants	25448 nos	25448 nos	
6g	Cost incurred on watch and care during the year	2 lakh	1.5 lakh	

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 Report submitted, PMCP proposals implemented in mine.	PMCP Report submitted, PMCP proposals implemented in mine.

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	
7d	Any beneficiation process at mines .	No beneficiation process carried out in mine.	No beneficiation process carried out in mine.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	All ROM used for Cement Manufacturing Purpose.	All ROM used for Cement Manufacturing Purpose.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Not Proposed	
8b	Concurrent use or storage of topsoil	For Planation Purpose.	For Planation Purpose.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information given.	Baseline information given.	
8g	Survival rate	80%	70%	
8h	Water sprinkling on roads to control airborne dust	Undertaken as proposed	Undertaken as proposed	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty maintained except land degradation.	Aesthetic beauty maintained 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	Found to be broadly as per submission
9d	Scrutiny of Annual return on afforestation	Information Given	Information Given
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No Mineral Reject Reported.	No Mineral Reject Generated during the year 2022-23.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Return Scrutinized for Ex Mine Price and Production Cost.	Ex Mine Price and Cost of 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

Date :

(DAMODAR PRASAD SHARMA)

Indian Bureau of Mines