## INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Dehradun regional office

Mine file No : HP/SOLAN/LST-2 Mine code : 38HPR11004

Mine 1	File No : HP/SOLAN/LST-2	Mine code : 38HPR11004
-	CENEDAL	
<u>I</u> A	GENERAL Inspection Details	
1	Name of IO	P068 Pushpendra Gaur
2	Date of Inspection	13.06.2018
3	Name of Mine	Baga - Bhalag Limestone Mines
4	Status of operations at the mine on the date of inspection	Working Lease
5	Names and designation of accompanying	i) Mr. Amit Kumar Dubey,
	officials	Asst. Vice President (Mines) ii) Mr. Chandrakant Dandhale
6	Signature(s) of accompanying officials	
7	Assessment Year	2017-18
В	Mineral Concession Details	
1	Total Lease Area (Ha)	324.4790 Ha.
2	Break up of ML area  Non Forest Land(Type of Land and its ownership) (Ha)	100.1353 Ha.
	Forest Land	224.3437 Ha.
3	ML Validity	Valid up to 2057. (28/09/2057)
4	Any Identification of ML like Survey no. ML No. etc.	Survey No. 53 A/15
5	Name of the lessee	M/s UltraTech Cement Limited
	Address with PIN code	Village- Baga, P.O kandhar, Tehsil- Arki, Distt Solan (H.P.)- 171102
	Phone	01796-223299
	Email	amitk.dubey@adityabirla.com
_	Fax	01796-223344
6 7	Date of Grant of Mining Lease Date of Execution of Lease deed	07.03.2005 29.09.2007 (Deed for transfer of ML from M/s Jaiprakash Associates Limited to M/s UltraTech Cement executed and registered on 12.07.2017 & Fresh ML Deed executed between the State Govt, of HP and M/s UltraTech Cement Limited and registered on 06.01.2018)
8	Date of first Renewal, if applicable and its period & expiry	Not applicable.
9	Date of second Renewal, if applicable and its period & expiry	Not applicable.
10	Date of submission of renewal application if Mining Operations are continuing under deemed extension	ML is executed till 28.09.2057
11	Mineral(s) granted in lease and proved for mining	Limestone and Shale.
12 <b>C</b>	Captive/Non Captive Basic Mine Management Details	Captive.
Sr No	Particular	Details
1	Name of the Mine	Baga - Bhalag Limestone Mines
2	IBM Registration Number under rule 45 of MCDR, 2017	IBM/441/2011
3	Mine code	38HPR11004
5 6	Method of Mining(Opencast, Underground) Category (Fully Mechanized, Others or Manual)	Opencast Fully Mechanized.
7 8	Date of opening of Mine Location of Mine	09.01.2010.
	Village	Baga
	Taluka/Mandal/Tehseel	Arki
	District	Solan
	Pincode	171102
9	State	Himachal pradesh
10	Post office	Kandhar
11 12	Nearest police station Nearest Railway station	Baga
13	Co-ordinate of any two lease pillars	kiratpur (Punjab)
13	i) Piller No. 10 ii) Piller No. 50	31°20' 45.92'' N 76°54' 20.38'' E 31°20' 39.65'' N 76°54' 27.44'' E
14	Co-ordinates of working sites	
	i) ii)	31°19' 8.38'' N 76°53' 10.80'' E 31°20' 50.87'' N 76°54' 41.48'' E
15	Address of Mine Office	Unit Baga Cement Works, UltraTech Cement Limited
-	Address with PIN code	Village- Baga, P.O kandhar, Tehsil- Arki, Distt Solan (H.P.)- 171102
	Phone	01796-223208
	Email Fax	amitk.dubey@adityabirla.com 01796-223344
	Mobile No	8837418939
16	Nominated Owner details	000,120,000
_ ~	Name of the Nominated Owner	Sh. O. P. Puranmalka
	Data of appointment	12 07 2017

12.07.2017

Date of appointment

Address with PIN code UltraTech Cement Limited, 'B' wing, Ahura Centre, Second Floor, Mahakali Caves

Road, Andheri (East), Mumbai- 400093 (MH)

Phone Email

Fax

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20

2.1

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Agent details

Name of the Agent

Date of appointment in mines

Address with PIN code

Arki, Distt. - Solan (H.P.) - 171102 Phone 01796-223342

Email amitk.dubey@adityabirla.com Fax 01796-223344

Mobile no. 8837418939

18 Mine Manager details

> Name of the Manager Sh. Chandrakant Dhandale

Date of appointment in mines 12.07.2017

Baga Cement works, Ultratech Cement Limited, Village- Baga, P.O.- kandhar, Tehsil-Arki, Distt.- Solan (H.P.)- 171102Address with PIN code

01796-223341

01796-223344

12.07.2017

Sh. Amit Kumar Dubev

01796-223342 Phone Email

Fax

01796-223344 Mobile no. 9882002005

Mining Engineer Details Shri Chandrkant Dhandale

Qualification BE- Mining Total Experience 20 years Date of appointment in mines 12.07.2017 Geologist Details Shri Vivek Shukla

Qualification M.Tech. (Applied Geology)

Total Experience 13 years Date of appointment in mines 01 12 2017 Whether Geologist and Mining Engineer Yes appointed in mines satisfy the rule 42

Geologist and Mining Engineer carrying out their duties as per rule 43 & 44. Mining Plan/Modified Mining Plan

approval details

DATE and No. of Approval Letter.

Modified Mining Plan

1. Mining plan approval vide letter ref. No. 614(2) MP-A-216/2005 Dated

01.06.2005.

2. Letter ref. No. 614 (2)/MP-A- 216/05 DDN dated 19.12.2012 area 331.424 Ha.

Baga Cement works, Ultratech Cement Limited, Village- Baga, P.O.- kandhar, Tehsil-

Period = (2012-2014)

05.10.2016 - 31.03.2019

3. IBM Dehradun vide letter ref. No. 614 (2)/MP-A- 216/05-DDN dated 05.10.2016

1. IBM approval vide letter ref. No. 614(2) MS-B-245/14-DDN Dated 01.07.2014.

area 324.4790 Ha. Validity period - 2016-2019.

Mine Plan execution/Excavation plan

period

specific condition in approval letter, if anv.

Scheme of Mining/Modified Scheme of

Mining approval details DATE and No. of Approval Letter.

Area-331.424 Ha. And validity = 2014-2019.

01.07.2014 to 31.03.2019

Mine Plan execution/Excavation plan

specific condition in approval letter,

if any.

FMCP approval details, if any, specially Company has surrendered 6.945 Ha. Area (92-06 bighas)

in case of part surrender

DATE and No. of Approval Letter.

1. IBM approval vide letter ref. No. 614(2) MP-A-216/05-DDN Dated 05.10.2016. Area-6.945 Ha.

FMCP execution period, if any. specific condition in approval letter,

if any.

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining.

## GEOLOGY III

## Reserve And Resource Details

11	MCBCIVE AMA MCBOUICE Decuiis		
<u>a)</u>	As mentioned in the latest approved MP/N	MMP/SOM/MSOM etc., as on	01.04.2016
	Particular	UNFC Code	Qty in Million tonnes
1	Reserves		
	1.Proved Mineral Resources	111	233.614
	2. Probable Mineral Resources	121 & 122	170.513
2	Resources		
	1.Feasibility Mineral Resources	211	151
	2. Pre-feasibility Mineral Resources	221	150.5
	3. Measured Mineral Resources	331	
	4. Indicated Mineral Resources	332	
	5. Ingerred Mineral Resources	333	134.6
	6. reconnaissance Mineral Resources	334	

## b) Year wise Depletion of reserves during the intervening period

	Limestone ( Ton)	Shale ( Ton)	Total (Ton)
2013-14	3351924	410549	3762473
2014-15	3354162	419129	3773291

	2015-16 2016-17 2017-18 2018-19 ( Upto 01.06.2108)	2707507 2210448 1488319 315842	335163 287541 168075 36848	3042670 2497989 1656394 352690
<u>c)</u>	As on date 01.04.2018			
1	Particular Proved Mineral Reserve	UNFC Code 111	Qty in Million tonnes 229.91	
2	Probable Mineral reserve	121 & 122 211	170.513 151	
2	1.Feasibility Mineral Resources 2. Pre-feasibility Mineral Resources	221	150.5	
	3. Measured Mineral Resources 4. Indicated Mineral Resources	331 332		
	5. Ingerred Mineral Resources 6. reconnaissance Mineral Resources	333 334	134.6	
		224		
B Sr No	Exploration Proposals And Achievements  Item  Exploration carried out for proving	Proposal 2017-18	Actual 2017-18	Remarks Completed
-	mineral existence at Geological axis 1 or 2.	No Proposal	No proposal	exploration wrt. G1 axis.
2	Name of Exploration Agency Expenditure incurred in lakh Rupees	Not applicable	Not applicable	
3	during the year	NIL	NIL	
4 5	backlog of previous year 2015-16 Exploration status of the ML area	NIL	NIL	Completed
	G1/G2/G3 axis as on date of inspection			exploration wrt. G1 axis.
6	Balance area to be explored to bring			NIL
7	Geological axis to G1 or G2 General remarks of inspecting officer on geology, exploration etc.			
С	Litho units encountered on faces			
<u>IV</u>	MINING			
A	Development			
Sr No	Item No. of pits proposed for development	Proposal 2017-18 NA	Actual 2017-18 NA	Remarks
2	Location of development w.r.t. lease area	<u>Bhalag village</u> :- E/W 13940 to 14360 and N/S 15720 to 16240 <u>Bhalag</u>		operating area due to
		<u>crusher side</u> :- E/W 13400 to 13800 and N/S 15920 to 16300	16240 <u>Bhalag Crusher side</u> :- E/W 13350 to 13850 and N/S 15950 to 16200	some land disputes regarding land acquisition, pending for disposal at various courts.
3	Separate benches in topsoil, overburden			Presently this area is in non working condition.
	and mineral (Rule 15)	Bhalag village: - From 1345 to 1170 (19 Benches) Bhalag	Bhalag village :- From 1300 to 1170 (13 Benches) Bhalag	-
			crusher side: - From 1280 to 1160 (12 Benshes)	
4	General remarks of inspecting officer on			
	development of pit w.r.t. type of			
B Sr No	Exploitation Item	Proposal 2017-18	Actual 2017-18	Remarks
1	Mine pit details	•		
	Number of pits Location of pits w.r.t. ML area	2 Nos Bhalag Block and Baga Block	2 Nos Bhalag Block and Baga	
	Shape of pits - contiguous		Block	
	Central block			
	Approximate size of the pits	Bhalag Block = 400m X 450m Baga Block = 150m X 150m	450m Baga Block = 150m X 150m	
	Number of benches in waste	Not proposed		18 in the benches No. 9 to bench No.
	Number of benches in mineral/ore Bench Height in mineral	23 Nos 10.00 Mtr	23 Nos 10.00 Mtr	23
	Bench height in OB/Top soil etc	Not applicable	Not applicable	
	Pit Slope Approach to faces/benches	45 By mine roads	45 By mine roads	
2	Quantity of ROM mineral production propos		•	
	2013-14	5.25 Mio Ton ( Limestone= 4.725 &	Year 2013-2014	
		Shale= 0.525)	(Limestone & Shale) 3.55 Mio Ton +0.41 Mio Ton	
	2014-15	5 25 Mio Ton / Limostor - 4 705 -	Total 3.70 Mio Ton.	
	2017-13	5.25 Mio Ton ( Limestone= 4.725 & Shale= 0.525)	Year 2014-2015 (Limestone & Shale) 3.35 Mio Ton +0.41 Mio Ton Total	
			3.77Mio Ton.	

2015-16	5.25 Mio Ton ( Limestone= 4.725 & Shale= 0.525)	Year 2015-2016 (Limestone & Shale) 2.70 Mio Ton +0.33 Mio Ton Total	
2016-17	4.405 Mio Ton ( Limestone= 3.88 & Shale= 0.525)	3.04Mio Ton. Year 2016-2017 (Limestone & Shale) 2.21 Mio Ton +0.28 Mio Ton Total	
2017-18	5.25 Mio Ton ( Limestone= 4.725 & Shale= 0.525)	2.49Mio Ton. Year 2017-2018 till 31 st March 18, (Limestone & Shale) 1.48 Mio Ton +.16 mio Ton Total 1.65 Mio Ton.	2017 to July, 2017
Quantity of topsoil removed in m3			
<b>2</b>			
2014-15	Not applicable	NIL	No topsoil encountered during
2015-16	Not applicable	NIL	operation. However,
2016-17	Not applicable	NIL	the scree (a mixture of fragment rock mixed with subgrade soil) of 5400 Tons was appropriately
2017-18 (Till 31.04.2018)	Not applicable	NIL	blended with the limestone and used for cement manufacturing at the unit.
Quantity of interburden (Overburden HR)	removed in m3		
2014-15	Not applicable	NIL	
2015-16	Not applicable	NIL	
2016-17 2017-18 (Till 31.04.2018)	Not applicable Not applicable	NIL NIL	
Ore to OB ratio for the mine during the	· ·	1.0.00	No OB encountered
2014-15 2015-16	1:0.00 1:0.00	1:0.00 1:0.00	during operation
2016-17	1:0.00	1:0.00	
2017-18 (Till 31.04.2018) Recovery of salable/usable mineral from	1:0.00	1:0.00	
ROM production			
Quantity of mineral reject generation re	moved in tonnes		
2014-15	Not proposed	NIL	
2015-16	Not proposed	NIL NIL	
2016-17 2017-18 (Till 31.04.2018)	Not proposed Not proposed	NIL	
Grade of mineral reject generation and threshold value declared Quantity of sub-grade mineral generation			
Grade of sub-grade mineral generation	Not applicable	Not applicable	
Manual / Mechanized method adopted for segregating from ROM	Not applicable	Not applicable	
Any analysis or beneficiation study			
proposed & carried out for sub-grade Provision of drilling & blasting in	Not applicable	Not applicable	
mineral benches	As per MP/SOM	As per MP/SOM	
Provision of drilling & blasting in benches other than mineral as the case may be	As per MP/SOM	As per MP/SOM	
Provision of mining machineries in mineral benches	As per MP/SOM	As per MP/SOM	

	Provision of mining machineries in	ATT	NTT	
	benches other than minerals as the case may be	NIL	NIL	
12	Provision of hauling/transportation from	NIL	NITT	
	mine to dump/stack yard	NIL	NIL	
13	Whether height of benches in overburden and mineral suitable for method of	3 1875 (2011	3 1877 (2014	
	mining proposed in MP/SOM	As per MMP/SOM	As per MMP/SOM	
15	Updation of Plans & sections as per rule	Updated as on 31.03.2018	Updated as on 31.03.2018	
	27, 28,29	-	-	
	Date of Survey on Plan	22.03.2018 to 29.03.2018	22.03.2018 to 29.03.2018	
16	Manpower engaged		81	
10	Managerial		5	
	Supervisory		13	
	Others Ministerial		1	
	Workers		61	
14	General remarks of inspecting officer on $% \left\{ 1,2,,n\right\}$			
	method of mining etc			
С	Calid Waste Management Dumming			
Sr No	Solid Waste Management-Dumping Item	Proposal 2017-18	Actual 2017-18	Remarks
1	Spread of dumps within lease area and			
	outside lease area	Not applicable	Not applicable	
	Active Dumps	Not applicable	Not applicable	
2	Inactive dumps	Not applicable	Not applicable	
2 a)	Dumping of topsoil, OB & mineral reject Topsoil	Not applicable	Not applicable	
a)	Selection of site is as per rules (Rule	Not applicable	Not applicable	
	Usage of top soil (Rule 32)	Not applicable Not applicable	Not applicable Not applicable	
b)	Mineral reject (Rule 16 & 33)	Not applicable	Not applicable	
c)	Selection of site and measures for			
	Overburden and/or Interburden dumping (Rule 16 & 33)	Not applicable	Not applicable	
3	Location of dumps w.r.t. ultimate pit			
	limit (Rule 16) & Number of active &	Not applicable	Not applicable	
	alive dumps			
4 5	Number of dead dumps Number of dumps stabilized	Not applicable Not applicable	Not applicable Not applicable	
6	Length of Retaining wall or garland			
	drain all along dump (In Meters)	Not applicable	Not applicable	
7	Number of settling ponds	Not applicable	Not applicable	
0	Specific commonts of inspecting officer			
8	Specific comments of inspecting officer on waste dump management			
8	Specific comments of inspecting officer on waste dump management			
D	on waste dump management  Solid Waste Management-Backfilling			
D Sr No	on waste dump management  Solid Waste Management-Backfilling Item	Proposal 2017-18	Actual 2017-18	Remarks
D	on waste dump management  Solid Waste Management-Backfilling		Actual 2017-18  Not applicable	Remarks
D Sr No	on waste dump management  Solid Waste Management-Backfilling  Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)	Proposal 2017-18		Remarks
D Sr No	on waste dump management  Solid Waste Management-Backfilling  Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)  Area under backfilling of mined out area	Proposal 2017-18		Remarks
<b>D Sr No</b> 1	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)  Area under backfilling of mined out area ( In Ha.)	Proposal 2017-18 Not applicable	Not applicable	Remarks
D Sr No	on waste dump management  Solid Waste Management-Backfilling  Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)  Area under backfilling of mined out area	Proposal 2017-18 Not applicable	Not applicable	Remarks
<b>D Sr No</b> 1	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.)  Concurrent use of topsoil for	Proposal 2017-18  Not applicable  Not applicable	Not applicable	Remarks
<b>D Sr No</b> 1	on waste dump management  Solid Waste Management-Backfilling Item Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed &	Proposal 2017-18  Not applicable  Not applicable  Not applicable	Not applicable  Not applicable  Not applicable	Remarks
D Sr No 1 2 3	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)  Area under backfilling of mined out area ( In Ha.)  Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³  Total area fully reclaimed & rehabilitated ( In Ha.)	Proposal 2017-18  Not applicable  Not applicable	Not applicable	Remarks
D Sr No 1 2	on waste dump management  Solid Waste Management-Backfilling Item Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed &	Proposal 2017-18  Not applicable  Not applicable  Not applicable	Not applicable  Not applicable  Not applicable	Remarks
D Sr No 1 2 3	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.)  Area under backfilling of mined out area (In Ha.)  Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³  Total area fully reclaimed & rehabilitated ( In Ha.)  General remarks of inspecting officer on	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable	Not applicable  Not applicable  Not applicable	Remarks
D Sr No 1 2 3 4 5 V A	on waste dump management  Solid Waste Management-Backfilling Item Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc ENVIRONMENT & PROGRESSIVE MINE CLOSURE PI Progressive Mine Closure Plan	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable	Not applicable  Not applicable  Not applicable  Not applicable	
D Sr No 1 2 3 4 5 V A Sr No	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable	Not applicable  Not applicable  Not applicable	Remarks  Cumulative so far
D Sr No 1 2 3 4 5 V A	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc  ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item Whether Annual report on PMCP submitted on time and correctly = Pulo 237(2)	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  Proposal 2017-18	Not applicable  Not applicable  Not applicable  Not applicable	
D Sr No 1 2 3 4 5 V A Sr No	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  Proposal 2017-18	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18	
D Sr No 1 2 3 4 5 Y A Sr No 1	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area (In Ha.)  Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³  Total area fully reclaimed & rehabilitated ( In Ha.)  General remarks of inspecting officer on backfilling, reclamation etc  ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item  Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  Proposal 2017-18	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18  Submitted to IBM	
D Sr No 1 2 3 4 5 Y A Sr No 1	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20. Reclamation of dumps	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  Proposal 2017-18	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18  Submitted to IBM	
D Sr No 1 2 3 4 5 Y A Sr No 1	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area (In Ha.)  Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³  Total area fully reclaimed & rehabilitated ( In Ha.)  General remarks of inspecting officer on backfilling, reclamation etc  ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIProgressive Mine Closure Plan Item  Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  AN  Proposal 2017-18  As per PMCP proposal	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18  Submitted to IBM Regional office	
D Sr No 1 2 3 4 5 Y A Sr No 1 2 i) iii) iii)	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area ( In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIP Progressive Mine Closure Plan Item Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20. Reclamation of dumps area afforested No of saplings planted Cumulative no. of plants	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  Proposal 2017-18	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18  Submitted to IBM	
D Sr No 1 2 3 4 5 V A Sr No 1 2 i) ii)	on waste dump management  Solid Waste Management-Backfilling Item  Status on part or full extraction of mineral from mined out area before starting backfilling ( In Ha.) Area under backfilling of mined out area (In Ha.) Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32) M³ Total area fully reclaimed & rehabilitated ( In Ha.) General remarks of inspecting officer on backfilling, reclamation etc  ENVIRONMENT & PROGRESSIVE MINE CLOSURE PIPOGRESSIVE	Proposal 2017-18  Not applicable  Not applicable  Not applicable  Not applicable  AN  Proposal 2017-18  As per PMCP proposal	Not applicable  Not applicable  Not applicable  Not applicable  Actual 2017-18  Submitted to IBM Regional office	
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4	Compliance on reclamation and			
i)	Voids available for backfilling (L X B X	Not applicable	Not applicable	
ii)	Void filled by waste/tailings (Ha.)			
iii)	Afforestation on the backfilled area			
iv)	Rehabilitation by making water reservoir			
v) 5	Any Other specific means Compliance of Rehabilitation of waste			
i)	Afforestation			
ii)	Area rehabilitated (ha)			
iii)	Method of of rehabilitation			
6	Total area covered under (Land use	Proposal in latest approved doc	Actual 2017-18	Remarks
	pattern)/Land put to use under various heads			
i)	Excavation/pits (Ha.)	4.93	1.66	
ii)	Top soil storage (Ha.)	Nil	Nil	
iii)	Waste/Ob/IB dumps (Ha.)	Nil	Nil	
iv) v)	Mineral rejects (Ha.) Sub grade mineral stacks (Ha.)	Nil Nil	Nil Nil	
vi)	Mineral stacks (Ha.)	Nil	Nil	
vii)	Plants, buildings, Infrastructure etc.	Nil	Nil	
	(Ha.)	27.3	0.66	
V111)	Others (Specify) Road & green belt	Nil	0.66	Greenbelt development
ix)	Total area put in use under different			development
	heads at the end of year For which FA	4.93	2.32	
	given (Ha.)			
x)	Whether Land put to use is within area for which FA given, if NO then the		YES	
	excess area put to use. (Ha.)		150	
7	General remarks of inspecting officer on			
	PMCP compliance & progressive closure			
	operations			
В	Environment			
1	Topography and landscape of the ML area		Hilly	
2	Public building, places of worship,		NIL	
	monuments, protected historical place, place of tourist within ML area, details			
3	Water regime		NIL	
J	Surface		NIL	
	Ground		NIL	
4	Stored water in excavated pits		NIL	
4	Human settlement in ML area How far the human settlement from active		Exists 300m	
	mine area			
5	Environmental monitoring Last monitoring		Mar-18	
2.3	dates Air	with in Limit.	Mar-18	
i) ii)	Water	with in Limit.	Mar-18	
iii)	Noise	with in Limit.	Mar-18	
iv)	Ground Vibration	with in Limit.	Mar-18	
v) vi)	Soil Surface subsidence			
vii)	Juliace Jubsidence			
6	Key result of such Environmental			
2.3	monitoring			
i)	Air Respirable particulate matter (RPM) (Size less than 10 microns)		Within Limit	
ii)	Water			
iii)	Noise		Within Limit	
iv)	Ground Vibration Soil		Within Limit	
v) vi)	Surface subsidence			
vii)	Acid Mine Drainage			
7	Precaution against Air pollution (rule			
8	37) Procession against Ground Wibration			
O	Precaution against Ground Vibration (rule 35)			
9	General remarks of inspecting officer on			
	aesthetic beauty in and around mines			
VI	MINERAL CONSERVATION			
Sr No		Proposal	Actual Work	Remarks
1	ROM Mineral dispatch or grade-wise	_		-
	sorting within lease area	Not applicable	Not applicable	
2	Method of grade-wise mineral sorting i.e. manual or mechanical	Not applicable	Not applicable	
3	Different grade of mineral sorted out at			
	mines	Not applicable	Not applicable	
4	Any beneficiation process at mines	Not applicable	Not applicable	
5	General remarks of inspecting officer on Mineral conservation & beneficiation			
VII	COMPLIANCE OF RULE 45			
Sr No	Item	Comments		

1 Status of submission of Monthly and Annual returns S.N. Item Details GIVEN in A.R. Observation of I/Officer 2 Name of mine Baga Bhalag Limestone Mine Address of mine 3 Baga Bhalag Limestone Mines, M/s UltraTech Cement Limited, Village- Baga, P.O.kandhar, Tehsil- Arki, Distt.- Solan (H.P.)- 171102 Submitted/complied for FY 2016-17 4 On consumtion of diesel and explosives in particular Mineral reserve wrt approved SOM if diff  ${\tt NIL}$ 5 (in case of routine depletion then the reason) Scrutiny of Annual return for Done/ return accepted for FY 2016-17 information on Mining Engineer, Geologist and Manager Scrutiny of Annual return on land use Done/ return accepted for FY 2016-17 pattern for area under pits, reclaimed area, dumps etc. Scrutiny of Annual return on Done/ return accepted for FY 2016-17 afforestation Scrutiny of Annual return on mineral Done/ return accepted for FY 2016-17 reject generation (Grade & quantity) 10 Scrutiny of Annual return on ROM stock Done/ return accepted for FY 2016-17 and/or graded ore 11 Scrutiny of Annual return on sale value, Done/ return accepted for FY 2016-17 Ex. Mine price & production cost 12 Scrutiny of Annual return on fixed Done/ return accepted for FY 2016-17 assets 9k Scrutiny of Annual return on mining machineries MCDR COMPLINCE PAST AND PRESENT VIII 25.01.2018 Previous date of inspection 2 Violations pointed out in previous 1. Under Rule 11(1) - Mining Complied. inspection operations were not carried out in 1. Road gradient corrected to not less than 1 accordance with the mining plan  $\,$  in 16 and appropriate berms provided along approved vide letter no. 614(2)/MP/- the bench edges and at the mine faces under A-216/05-DDN dated 05.10.2016 to the advancement. extent that ramp between section 16000N-16100N and 13900E-14000E & 2. Re-submitted the print copy and digital between 1300-1280mrl were of copy of plans and sections. gradient steeper than 1 in 16 further at places at the operating benches the berm of adequate height was not there. 2. Under Rule 33 - The holder of the mining lease shall, on or before the 30th day of June every year submit to the authorized officer a digital copy along with a print copy of the surface geological plans and sections maintained under rule 32. However the lessee has not submitted the copies of plans and sections as per rules. 3 Check Compliance status of complied Complied violations Pending violations Status of compliance of MCDR, 2017, Complied including therewith the rectification of outstanding violation of rules Violation Detected And Pointed Out 11(1), 31, 32(1)(b), 45(5)(b), 45(5)(c) During This Inspection

Pushpender Gaur

Indian Bureau of Mines