

निरीक्षण रिपोर्ट / MCDR INSPECTION REPORT

Date of Inspection 07.01.2025

General

Sl.no	Particulars	Details
1	Name of the Mine	BagaBhalag Limestone and Shale Mine
2	Total Lease Area (Ha) with breakup of Non-Forest and Forest land	324.479 Ha
3	Mine Code	38HPR11004
4	IBM Registration Number under rule 45 of MCDR,1988	IBM/441/2011
5	Name of the lessee,	UltraTech Cement Limited
	Address	Ahur Centre, B Wing, 2nd floor, Maharishi Karve Marg, Andheri (E), Mumbai- 400093
	Phone No.	022 66917901
	Email	
	Fax No.	022 66917901
6	Village	Baga
7	Taluka/Mandal	Arki
8	District	Solan
9	Pin code	171102
10	State	Himachal Pradesh
11	Post Office	Baga
12	Nearest Police Station	Baga
13	Nearest Railway Station	Kiratpur Sahib
14	Date of Grant of Mining Lease	07.03.2005
15	Date of Execution	29.09.2007
16	Date of opening of Mine	09.01.2010
17	Date of first Renewal, if applicable and its period & expiry	Lease extended upto 28.09.2057
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner	K C Jhanwar
	Address	Ahur Centre, B Wing, 2nd floor, Maharishi Karve Marg, Andheri (E), Mumbai- 400093
	Phone No.	9702474200
	Email	
	Fax No.	
	Date of appointment	19.10.2018
21	Name of the Mine Agent	Nitesh Kumar Nirala

	Address	UltraTech Cement Limited Baga(v), Arki(M), Solan Dist., Himachal Pradesh
	Phone No.	8108399500
	Email	
	Fax No.	
	Date of appointment	12.04.2024
22	Name of the Mines Manager	Sivakumar
	Address	UltraTech Cement Limited Baga(v), Arki(M), Solan Dist., Himachal Pradesh
	Phone No.	966940495
	Email	
	Fax No.	
	Date of appointment	15.05.2021
23	Name of the Mining Engineer,	Yakin Rajesh Kumar Modi
	Qualification and total experience	
	Address	UltraTech Cement Limited Baga(v), Arki(M), Solan Dist., Himachal Pradesh
	Phone No.	08989056207
	Email	
	Fax No.	
	Date of appointment	15.04.2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Gurmeet Sigh Sethi, Geologist since 21.12.2024. UltraTech Cement Limited Baga(v), Arki(M), Solan Dist., Himachal Pradesh
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any	Approval date- 25.01.2019 2019-20 to 2023-24
26	Date of Approval of Scheme of Milling/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any	
27	Mineral(s) granted in lease and proved for mining	LIMESTONE & SHALE
28	Method of Mining (Opencast, Underground)	OPENCAST
29	Category (Fully Mechanised, Others or Manual)	MECHANISED
30	Captive/Non Captive	CAPTIVE

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

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		Potentially mineralized area 232.86 hectare is already explored upto G1 level	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NII	Entire potential mineralized area has been explored.	
1e	Balance reserves as on 01.04.2024		Reserves reassessed as on 01.07.2023 Limestone - 111/121 = 215.63 + 169.90= 385.53 million tonne Shale 25.242 million tonne	
1f	General remarks of inspecting officer on geology, exploration etc.,	Lessee has been advised to maintain slope of the ramps.		

Development

Sl.No	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t lease area	It was proposed to undertake mining in Bhalag Pit for limestone & Baga pit for shale	Work has been done as per proposal	
2b	Separate benches in topsoil, overburdens and mineral (Rule 15)	No topsoil generation proposed.	No top soil generation reported in 2023-24	-
2c	Stripping ratio or ore to OB ratio	1:000	1:000	
2d	Quantity of topsoil generation in m3	No proposal	No top soil generation reported in 2023-24	-
2e	Quantity of overburden generation in m3	No proposal	No O.B generation reported in 2023-24	-
2f	General remarks of inspecting officer on Development of pit w.r.t. type of deposit etc.,			

Exploitation

Sl.No	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Two Pits	Two pits	Baga Block is worked for Shale and Bhalag Block is worked for Limestone.
3b	Quantity of ROM mineral production proposed	2023-24 Limestone: 4725000 T Shale-525000T	2023-24 Limestone: 3223503T Shale-315631T	
3c	Recovery of salable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	No proposal	No generation	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade" mineral generation	No proposal	No generation	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	Segregation is not required at present	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	Deep hole Drilling	Deep hole Drilling	115mm dia
3k	Provision of mining machineries in mineral benches	Drilling Blasting with mechanised loading and transportation upto the crusher is proposed	Sandvik drill machines , back hoe & shovel type excavators of 3.5 to 6.5 m3 bucket capacity with 35 T and 60T dumpers have been provided	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Opencast Mining 10Mtr Bench	In Bhalag Block Limestone is worked with a bench height of about 10m where as in Baga Block the shale is worked with a bench height of 6m	
3m	Total area covered under excavation/pits	66.67 ha	63.50 ha.	
3n	Ore to OB ratio for the pit/mine during the year(B C Soil)	1:000	No OB is generated, as proposed.	

3o	Total area put in use under different heads at the end of year		Pit- 63.50 ha. Roads, infrastructure & others - 9.60 ha. Total - 73.10 ha.	
3p	Production of ROM mineral during last Six years period, as applicable	Limestone 2019-20: 4725000T 2020-21: 4725000T 2021-22: 4725000T 2022-23: 475000T 2023-24:475000T Shale 2019-20: 525000T 2020-21: 525000T 2021-22: 525000T 2022-23: 525000T 2023-24: 525000T	Limestone 2019-20: 2508208T 2020-21: 2263029T 2021-22: 2153134T 2022-23:3310661T 2023-24: 3223503T Shale 2019-20: 281529T 2020-21: 259702T 2021-22: 244985T 2022-23: 320967T 2023-24: 315631T	
3q	General remarks of inspecting officer on method of mining etc.	-	-	-

Solid Waste Management - Dumping

SI.No	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Not generated as well	-
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Not applicable	-
4c	Number of dumps within lease area and outside lease area	NIL	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there		NIL	However Retaining wall at the bottom of the hill has been provided to prevent rolling of the stone.
4i	Length of Retaining wall or garland drain all along dump		NIL	
4j	Number of settling ponds			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	NA	NA	-

Solid Waste Management - Backfilling

Sl.No	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not Applicable	-
Sb	Area under backfilling of mined out area	Not proposed	Not Applicable	-
Sc	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not Applicable	-
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not Applicable	-
Se	General remarks of inspecting officer on backfilling, reclamation etc			-

Progressive Mine Closure Plan

Sl.No	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	-	Submitted	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No, of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year		Not applicable at present	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailing iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not Applicable	Not Applicable	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of of rehabilitation	1000 saplings over 1 ha. proposed	1585 over about 1 hectare undertaken	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Undertaken as per proposal.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	-	-	-

Mineral Conservation

Sl.No	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area		Entire ROM is dispatched without sorting.	
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	Except for the grinding , no processing of the mineral is undertaken.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

Environment

Sl.No	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	Not applicable	
8b	Concurrent use or storage of topsoil	Not applicable	Not applicable	
8c	Separate dumps for overburden, waste rock rejects and fines (Rule 33)	Not applicable	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not applicable	Area is not mature for the purpose
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)		16.17 ha. Area is reported under plantation with 25448 plants.	
8g	Survival rate		About 70% survival reported	
8h	Water sprinkling on roads to control airborne dust		Undertaken as proposed. Water tanker provided.	
8j	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45

Sl.No	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R Submitted for the month of Nov 2024 A.R. Submitted for the year 2023-24		
	Item	Details Given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Submitted	New Geologist has joined in place of previous Geologist Mr Sourabh Banke	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc		Found to be broadly as per submission	
9d	Scrutiny of Annual return on afforestation		Found to be broadly as per submission	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		Nil generation reported and observed as well.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Found to be as per submission	
9g	Scrutiny of Annual return on sale value, Ex.Mine price & production cost		Cost of production: Rs 224/- PMT has been reported.	
9h	Scrutiny of Annual return on fixed assets		Fixed assets as per Annual return.	

9i	Scrutiny of Annual return on mining machineries		As per submission in returns.	
----	---	--	-------------------------------	--

No major violation has been observed.

मनीष क मैदीरत्ता / Manish K Maindiratta
क्षेत्रीय खान नियंत्रक / Regional Controller of Mines.
(Name of the inspecting officer with designation and date)