ADITYA BIRLA

UltraTech

UTCL/SDCW/Env. /2023-24/70

Date-25.09.2023

The Member Secretary
M.P.Pollution Control Board
Parayavaran Parishar, E-5
Arera Colony, Bhopal (M.P.)

Sub:- Submission of Environment Statement Report (Form-V) under Environment Protection Act, 1986 for M/s UltraTech Cement Ltd. Unit: Sidhi Cement Works Majhigawan , Budgawana (Revenue & Extension) Captive Limestone Mines & DG Set(125 KVA) for the period from April-2022 to March-2023.

Ref: 1. J-11015/257/2007-IA. II(M) dated 15.12.2008, No. 5666/SEIAA/21 dated 13.01.2021, J-11015/248/2007-IA. I(M) dated 13.05.2009, No. 5668/SEIAA/21 dated 13.01.2021

2.Consent No. AW-52994 Outward No:102061,10/02/2021, Consent No: AW-Outward No:117547,03/03/2023, Consent No: AWH-55564 Outward No:115136,05/04/2022, Consent No: AW-57712 Outward No:117546,03/03/2023

Dear Sir,

This has reference to above and under the provision of Rule 14 of Environment protection act, 1986, we are submitting herewith the Environment Statement (Form-V) for the financial year 2022-23.

1. Environment Statement Report under Form-V for Majhigawan Rev. Limestone Mine.
2. Environment Statement Report under Form-V for Majhigawan Ext. Limestone Mine
3. Environment Statement Report under Form-V for Budgauwana Rev. Limestone Mine.
4. Environment Statement Report under Form-V for Budgauwana Ext. Limestone Mine.

Kindly, provide us the acknowledgment of acceptance.
Yours faithfully

For UltraTech Cement Ltd)
Unit: Sidhi Cement Works

Bharat Gokharu
Sr. General Manager(Mines)

Encl- As above

Copy to: 1. Regional Officer, MPPCB, HIG-190/191, Nehru Nagar, Rewa (M.P.)
2. Integrated Regional Office, Kendriya Paryavaran Bhawan, Link Road No. 3, Ravishankar Nagar, Bhopal 462016 (M.P.)
3. The Director, Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road, Aliganj New Delhi-110003

Budgauna Extension Limestone Mines

SIDHI CEMENT WORKS

(A UNIT OF ULTRATECH CEMENT LIMITED)

SIDHI (M.P)

ENVIRONMENT STATEMENT REPORT

F.Y:2022-2023

SUBMITTED TO
M.P.POLLUTION CONTROL BOARD
BHOPAL (M.P.)

1.0 Introduction

The Aditya Birla Group was named the AON best employer in India for 2018 the third time over the last 7 years. The Group was earlier ranked fourth in the world and first in Asia Pacific in the 'Top Companies for Leaders' study 2011, conducted by Aon Hewitt, Fortune Magazine and RBL (a strategic HR and leadership advisory firm). The Group has also topped the Nielsen's Corporate Image Monitor 2014-15 and emerged as the 'No.1 Corporate', the 'Best in Class', for the third consecutive year. UltraTech as a brand embodies 'strength', 'reliability' and 'innovation'. Together, these attributes inspire engineers to stretch the limits of their imagination to create homes, buildings and structures that define the new India.

The company has a consolidated capacity of 131 plus Million Tonnes Per Annum (MTPA) of grey cement. UltraTech Cement has 20 integrated plants, 1 clinkerisation plant, 26 grinding units and 7 bulk terminals. Its operations span across India, UAE, Bahrain, Bangladesh and Sri Lanka. UltraTech Cement is also India's largest exporter of cement reaching out to meet the demand in countries around the Indian Ocean and the Middle East.

Sidhi Cement Works is located 250 km from Jabalpur & 35 Km for Rewa Madhya Pradesh, around 24 km, North-West (NW) from National Highway No. 7 & around 2.3 km , East(E) from NH-75 . The plant is pyro-processing technology with Make-L&T- UNIT-1, SLC Separate Line Calciner (SLC KILN –4500 TPD) & UNIT-2, ILC In Line Calciner (ILC KILN – 5000 TPD) Rotary kiln, Coolex cooler modified duoflex low NOx burner with capacity 6-stages low pressure cyclones both preheater. The cement production process is based on dry process. Present production capacity of integrated Cement plant is 3.5 million Cement, 3.0 Clinker million tone per annum & 35 MW Captive Power Plant (AFBC = Atmospheric Fluidized Bed Combustion Boiler).

Sidhi Cement Works is located near Majhigawan village in Rampur Naikin Tehsil , Sidhi District of Madhya Pradesh state at an aerial distance of about 50 km North-East of Sidhi & about 24 km aerial distance from Rewa in Southern direction. The Budgauna Ext. LS Mines (87.992 Ha.& 0.6 MTPA) falls in villages Baghwar and Gorhatola in Rampur Naikin tehsil of Sidhi districr and geographically, it is located at Latitude 240 34' 17" North and Longitude 810 35' 21" East & elevation of 320m to 381m above MSL. Our Mines is Captive Lime Stone Open Cast Mechanized Mine and rated capacity enhance of mine 0.3 to 0.6 MnTPA Limestone Production.

We have been certified by Bureau Veritas (BV) for Quality Management System (QMS) (ISO-9001:2015), Environmental Management System(EMS)(ISO-14001:2015)& Occupational Health & Safety Assessment Series(OHSAS) (ISO-18001: 2018) Energy Management System (ISO-50001:2018).

FORM- V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE MARCH 2022

PART- A

(i) Name and address of the owner/ Occupier of the Industry, operation or process : B. P. Saggu
Budgauna Extention Limestone Mines
SIDHI CEMENT WORKS
(A Unit of UltraTech Cement Ltd)
Vill-Budgauna, Tehsil-Rampur Naikin,
Distt- Sidhi (M.P.) 486776

(ii) Industry Category : Red Category, Large Industry
Primary (STC CODE) (Primary STC Category)
Secondary (SIC CODE)

(iii) Production Capacity : 0.6 MnTPA

(iv) Year of Establishment : July, 2015

(v) Last Environment Statement Submitted : 27.09.2022

PART- B

WATER AND RAW MATERIAL CONSUMPTION

(i) **Water consumption m^3/d**

Process : Nil

Spraying : 80

Domestic : 26

Name of Products	Specific water consumption per unit of Product output M^3/MT	
	During the previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
Limestone	0.0024	0.0019

(ii) **Raw Material Consumption**

Name of raw material consume	Name of products	Consumption of raw material Per unit of output MT/ MT of Limestone	
		During the Previous Financial Year (2021-22)	During the Current Financial Year (2022-23)
1. Diesel (HSD) 2. Explosive	Limestone	1.03 Lit/MT 0.000069	6.2 Lit/MT 0.000123

(iii) **Production of Limestone (MT)**

Production	During the Previous Financial Year(2021-22)	During the Current Financial Year(2022-23)
Limestone	458464 MT	376724 MT

PART- C

Pollution discharges to environment/ unit of output.

(Parameter as specified in the consent issued)

(i) Pollution	Quality of Pollutants Discharged (Mass/day) (Tons/day)	Concentration of Pollutants discharges (mass/volume) (mg/Nm3)	Percentage of variation from prescribed standards
(a) Water i) Domestic ii)Industrial	Zero discharge will be maintained. Treated domestic water will be used in horticulture and plant process		
(b)Air			

Ambient Air Quality Monitoring at Plant Boundary

Location	Near Boundary No.- 1			Near Boundary No.- 14			Near Boundary No.- 3			Near Boundary No.- 25			Limit	
Parameters	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	24 Hr	Annual
PM 2.5	15.56	53.52	32.69	16.4	54.27	33.19	15.42	53.82	33.15	18.6	55.8	34.5	100.0	60.0
PM 10	27.62	64.1	45.10	27.51	63.29	44.96	29.03	63.61	44.89	28.8	65.1	45.9	60.0	40.0
SO2	5.5	11.5	8.79	6.0	10.5	8.13	5.50	11.00	7.79	5.5	11.5	8.6	80.0	50.0
NO2	12.5	25.5	19.13	13.0	23.5	17.63	12.00	23.00	17.00	14.5	22.5	17.8	80.0	50.0

PART- D

HAZARDOUS WASTES

(Hazardous & other waste (Management & Trans-boundary Movement) Rules, 2016)

Hazardous Wastes	Total Quantity (Kg.)	
	During the current financial Year (2021-22)	During the current financial Year (2021-23)
(a) From process Used Oil (5.1) Waste Oil (5.2)	 0.024 Zero	 Zero Zero
(b) From pollution Control Facilities	Zero	Zero

PART- E

SOLID WASTES

	TOTAL QUANTITY (MTs)	
	During the Current Financial Year (2021-22)	During the Current Financial Year (2022-23)
(a) From Process- Over Burden waste from mines	327024 MT of Over Burden is generated during the limestone mining and stored at earmarked location.	396599 MT of Over Burden is generated during the limestone mining and stored at earmarked location.
(b) From Pollution Control facilities	All the collected material is recycled in the process.	All the collected material is recycled in the process.
(c) (i) Qty. recycled or reutilized within the unit. (ii)Sold (iii)Disposed	Zero 0.024 Zero	Zero Zero Zero

PART- F

Please specify the characterizations (in terms of composition of quantum) of Hazardous as well solid waste and indicate disposal practice adopted for both these categories of wastes.

Solid waste: OB is generated during the limestone mining 396599 MT Period from FY:2021-22.

PART- G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

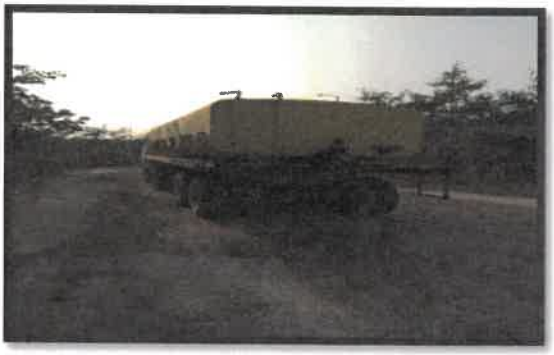
Pollution Control Measures Adopted for Control of Pollution:

1. Water sprinkling on roads by water tanker capacity of 12 KL for control of dust emission.
2. Top soil if any available is stack at earmarked location and used for plantation work.
3. Green Belt Development Measures: As a part of green belt development, plantation program was planting of 2000 nos. of trees in 1.0 ha mines area period from FY: 2022-23.

Following measures have been adopted for abatement of pollution, conservation of natural resources: -

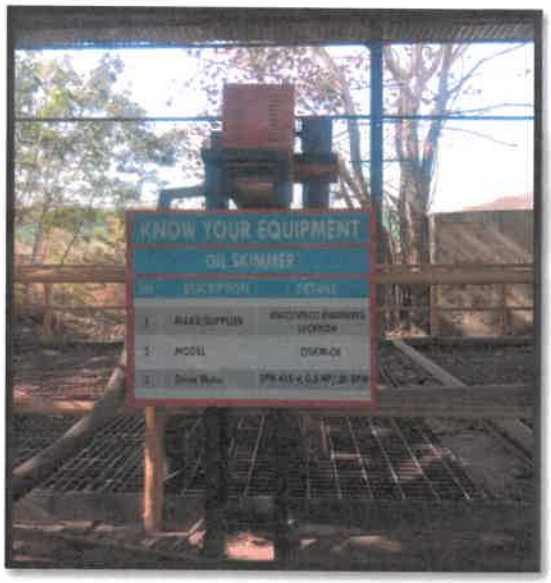
1. **Water spraying by tanker on haulage road:**

   We have a dedicated water tanker capacity of 12 m^3 for mines haulage road water spraying. Direct rainwater and catchment area rainwater by peripheral garland drain which is being provided all around the working pit collected in mines reservoir. This water is being used for water spraying on haulage road. The haulage roads are always kept in wet condition so fugitive emission is minimal.



2. **Treatment of Auto workshop effluent:**

A gravity settler oils separator has been installed for treatment of auto workshop effluent. The treated water is used for spraying on mines haulage road for dust suppression & collected oil is sold out to authorized recycler. The basic concept of oil and grease trap is to separate the oily water generated during washing and cleaning of the Heavy Earth Moving Equipment. Gravity settler oil separator compartments are made to give retention time to water to separate oil from water and oil will be collected from the upper surface manually in empty oil drum and water will be collected in last compartment will be used for road dust suppression. No water will be allowed to discharge outside the mine premises. Zero discharge is maintained. The treated water is used for spraying on mines haulage road for dust suppression & collected oil is sold out to authorized recycler.



3. **Collection of Hazardous waste**

Used oil generated from the maintenance of heavy machinery at auto workshop is being collected at identified storage shed and sold out to authorized recyclers. We have centralized hazardous waste storage area at Cement Plant and Used oil & Waste oil generated from Budgawana Ext Limestone Mine will be stored centrally at Cement Plant Hazardous Waste storage area and disposal of the same will be done through Authorized Recycler of CPCB/MPPCB only within 90 days.

4. **Use of STP treated water for the horticulture purpose:**

   We have latest and advance aerobic technology based Sewage Treatment Plant which comprises of: The capacity of sewage treatment plant is 800 KL per day. The sewage generated at different parts of colony and plant is being collected in raw sewage tank where blowing is being done for homogenization of raw sewage water. Then this homogenized sewage water comes to aeration tank for sufficient aeration of sewage and then conveyed to clarifier where the suspended particle is settles. After this clarified water is collected in intermediate holding tank and sludge settled at the bottom of clarifier is transported to sludge drying beds. Now the water from the intermediate tank is passed through pressure sand filter and activated carbon filter. It is ultimately collected in the final holding tank.

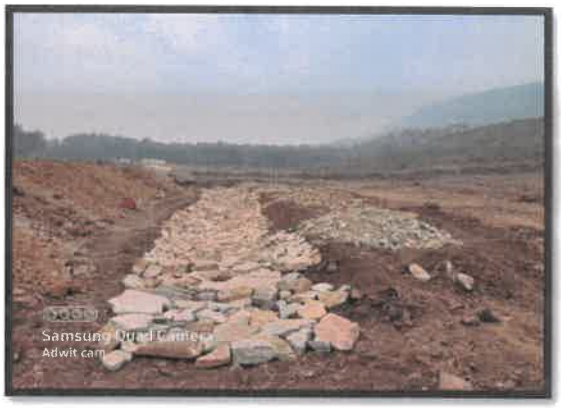
5. **Silt control measures for formation of garland drains around the OB dump:**

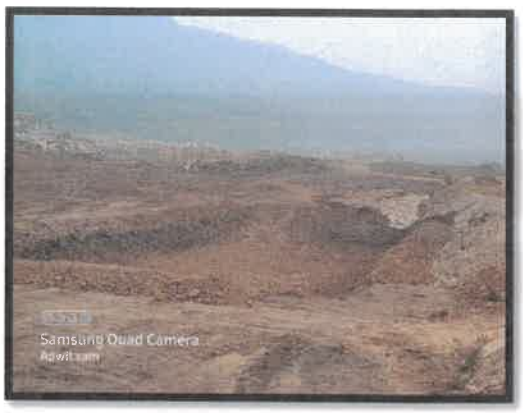
   The Garland drain has been constructed all around the mine pit and waste dump area to collect the run - off water in the reservoir and collected water is used for dust suppression at mine haul roads. Catch drain / peripheral garland drain is being constructed around the working pit and temporary OB dump to prevent runoff and siltation simultaneously all those garland drain is being connected to settling ponds which have been provided in mine for settle down the heavy particles. This water is used for water spraying on haulage road.

6. **Extensive plantation in and around the plant:**

   We have a dedicated team of skilled horticulturists for the forestation and greenery development program at our plant and mines under the supervision of senior experienced person.


7. **Stone pitched Garland drain, settling Pond, retaining wall:** Catch drains & siltation ponds of appropriate size has been constructed around the working pit, soil, mineral and temporary OB dumps to prevent runoff water and flow of sediments directly into the seasonal nallah, Bansagar Canal and other water bodies.





8. **Fencing all around working pit:** Fencing along with the working mines pit has been completed.


PART- H

Any other particulars for improving the quality of the environment.

Ground vibration study is already done by CIMFR, Dhanbad and all suggestions are implemented at our mines.

PART- I

Any other particulates in respect of environmental protection and abatement of pollution:

We conserve top soil, waste dump management & mineral Conservation for abatement of pollution and environmental Protection.

For UltraTech Cement Ltd.
(Unit: Sidhi Cement Works)

Bharat Gokharu
Sr. Genaral Manager(Mines)