



UTCL/DCW/ENV/WBPCB/22-23/55

Date: - 01/09/2023

To,  
The Environment Engineer & Incharge,  
Hooghly Regional Office,  
West Bengal Pollution Control Board,  
Himalaya Bhawan, Dankuni, Pin.-712311

Sub: - Submission of Environment Statement for FY 2022-2023 based on CTO No. CO131950 for 2.4 MTPA Cement Grinding Unit.


Dear Sir/Madam,

With reference to above cited subject, herewith we are submitting duly filled Form-V Environmental Statement along with requisite information for the FY 2022-2023 (April 2022-March 2023) of M/s UltraTech Cement Limited (Unit: Dankuni Cement Works), Vill- Panchaghara, P.O- Panchaghara Bazar, Dist- Hooghly, Pin-712306 for your kind perusal and records.

Thanking you and looking forward for your kind cooperation in future.

Yours Faithfully,

For, **UltraTech Cement Limited (Unit: Dankuni Cement Works)**

  
Mahender Singh Rathore  
(Grinding Unit Head)

Encl: - As Above

CC to: Chief Engineer, O&E Cell, WBPCB, Sector-3, Saltlake, Kolkata



UltraTech Cement Limited  
Dankuni Cement Works  
JL-80, Vill: Panchaghara, P.O. Panchaghara  
Bazar, P.S. Chanditala, Dist: Hooghly,  
Pin-712306, W.B.

Marketing Office :  
UltraTech Cement Ltd.  
22, Camac Street, Block-D, 4th Floor,  
Kolkata 700016  
Tel: 033 3012 4400/4100 Fax (033) 3021 4590/4390

Regd. Office:  
UltraTech Cement Ltd.  
Ahura Cement 'B' Wing, 2nd Floor, Mahakali  
Caves Road, Andheri (East), Mumbai 400 093, India  
T: +91 22 6691 7800 / 6691 7801 F: +91 22 6691 7901  
W: www.ultratechcement.com  
CIN : L26940MH2000PLC128420

**ENVIRONMENTAL STATEMENT FOR THE YEAR**

**2022-2023**

**CTO No. CO131950 Environment statement for 2.4 MTPA Cement Plant**

**UltraTech Cement Limited  
(Dankuni Cement Works)**

FORM-V

(See Rule 14)

**Environment Statement for the financial year ending the 31<sup>st</sup> March 2023**

**PART – A**

- (i) Name and address of the : Shri Mahender Singh Rathore  
Owner/Occupier of the Industry, UltraTech Cement Limited  
operation of the process. Dankuni Cement Works,  
Vill-Panchghara,  
Panchghara Bazar, JL No. 80  
P.S- Chanditala, Dist- Hooghly, WB  
Pin-712306
- (ii) Industry Category : Red
- (iii) Production Capacity : 2.4 MTPA (Clinker Grinding Unit)
- (iv) Year of Establishment : 2015
- (v) Date of last Environmental : 24.08.2022  
Statement submitted



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## Part- B

### Water and Raw Material Consumption

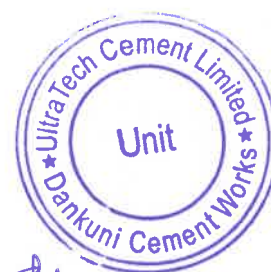
#### (i) Water Consumption (M<sup>3</sup>/Day)

	Water consumption (m3/day) FY-21-22	Water consumption (m3/day) FY-22-23
Process	Nil (Dry Process)	Nil (Dry Process)
Cooling	51.90	50.79
Domestic	33.50	38.50

Name of the Products	Process water Consumption/Unit of Product output	
	During the previous financial year 2021-22	During the current financial year 2022-23
Cement	Nil	Nil

#### (ii) Raw Material Consumption

S.No.	Name of Raw Material	Name of Products	Consumption of raw material/Unit output (Per Ton)	
			During the previous financial year 2021-22	During the current financial year 2022-23
1	Clinker	Cement	0.5818 MT/MT of cement	0.4319 MT/MT of cement
2	Fly Ash		0.3236 MT/MT of cement	0.2983 MT/MT of cement
3	Mineral Gypsum		0.0054 MT/MT of cement	0.0138 MT/MT of cement
4	Chemical Gypsum		0.0255 MT/MT of cement	0.0175 MT/MT of cement
5	Slag		0.3353 MT/MT of cement	0.2384 MT/MT of cement



(iii) Production details

Sl. No	Name of Products	Consent for Capacity TPA	During the previous financial year 2021-22	During the current financial year 2022-23
1	Cement	24,00,000	1450814.20	20,58,524

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

S. No.	Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants in discharge (mass/volume)			Percentage of variation from prescribed standards with reason
(a)	Water (Industrial)	--	Not applicable since no waste water is generated from the process.			NA
	Water (Domestic)	--	Very low quantity of domestic effluent generated, which is disposed by adequately designed Septic Tank and Soak Pit			NA
(b)	Air (stack emission) Particulate Matter	--	Parameter	Prescribed Std. (mg/Nm <sup>3</sup> )	Observed value (mg/Nm <sup>3</sup> )	Stack Emission value is within the prescribed limit stipulated by regulatory authority.
(i)	Cement Mill	--	SPM	30	19.7	
(ii)	Slag Mill	----	SPM	30	20.5	



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**Part-D**  
**Hazardous Waste**

S. No.	Hazardous Waste	Total quantity (Kg.)	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
1	From Process		
i	Used Oil (Kg)	6180	3240
ii	Used Grease (Kg)	Nil	Nil
2	From pollution control facility	Nil	Nil

In Cement grinding unit no Hazardous waste materials are generated however used lubricant oils are handed over to the authorized recyclers.

**PART –E**  
**Solid Waste**

S. No.	Name of the Product	Total quantity	
		During the previous financial year 2021-2022	During the current financial year 2022-2023
a	From Process	Nil	Nil
b	Pollution control facility	Recycled to main process in total	Recycled to main process in total
c			
1.	Quantity recycled or Reutilized within the unit	100%	100%
2.	Sold	Nil	Nil
3.	Disposed	Nil	Nil



## **PART – F**

**Please specify characterization of hazardous solid waste and indicate disposal practice adopted for both these categories**

- (i) Hazardous waste: Used lubricant oil in emulsion form is sold to the WBPCB authorized recyclers. (SIYARAM PETROTECH PVT. LTD, Sankrail Industrial Park, Dhulagarh, Howrah-711302)

## **PART – G**

**Impact of pollution abatement measures taken on conservation of natural resources and cost of production:**

The UltraTech Cement Limited (Unit: Dankuni Cement Work) producing Fly ash and slag-based cement that conserving clinker in turn of lime stone and reducing CO2 emission. Fly Ash- waste from thermal power plant, Slag – waste of Steel plant.

At Dankuni Cement work, 01 MW solar power plant installed and produced power is utilize in the plant.

## **PART – H**

**Additional measures / investment for environmental protection including abatement of pollution, prevention of pollution**

1. For control of fugitive emission, we installed 42 bag filter in our plant at various transfer points and maintained in proper manner.
2. The road sweeping machine is operated in all internal roads regularly to maintain good housekeeping.
3. Recently, we have included vacuum cleaning machine in our plant to ensure good housekeeping.
4. We are regularly spraying water by water tanker to suppress dust on road and other required areas.
5. Developing greenbelt inside plant premises for better Environment.
6. **UTCL(DKCW) invested ₹ 61,11,680.56 investment done FY 22-23 for Environmental Protection including abatement of pollution, prevention of pollution. (For Cement plant and liquid mixed water proofing)**



Investment for Environmental Protection		
S.NO	Measures / investment	Per/Year
		Rs
1	Cost encored to fugitive emission control (Water spraying by water tanker)	564000
2	Greenbelt development and Maintenance	1548018
3	Road Sweeping Machine Operation and Maintenance	257072
4	Bag filter Operation and Maintenance	18,62,337
5	CEMS and AAQMS (Operation and Maintenance)	1494854
6	Stack emission monitoring and measurement by third party	385400
	<b>Total</b>	<b>₹ 61,11,680.56</b>

### PART – I

#### Any other particulars for improving the quality of environment

1. Health & Safety being the core value of the company constant endeavors to maintain high standards of Health & safety in work procedures.
2. Following schedule maintenance to improve the efficiency of Bag filters.
3. Thick greenbelt development within plant premises as per CTO condition in FY-22-23 and its Survival rate given in below table.

Sr. No.	Parameter	Response (FY 2022-23)
1	Number of saplings planted	1319
2	Number of saplings survived	1300
3	Sapling survival rate	98.6 %

4. Maintaining and Monitoring Good House Keeping at all work places.
5. Regular health check-up of employees and use of required PPEs of work at work place.
6. An amount of Rs. 2501133 Spent towards CSR activities in the period of Apr.22-Mar.23. (Cement plant and liquid mixed water proofing plant)





For, Ultratech Cement Limited (Dankuni Cement Works)



Authorized Signatory

