

Ref: UTCL/GICW/PCB-/2011-12/01

Date: 10.09.2011

**The Environmental Officer,
Karnataka State Pollution Control Board,
Koppal Taluk & Dist(Karnataka)**

Dear Sir,

Sub: Submission of environmental Statement of Form – V for the financial year 10-11- reg

Ref: Combined consent order:- KSPCB/HPI/205/ULTRA-TECH/2010-11/611 dated 11.11.10

With reference to the above we are submitting the form no.V regarding Environmental Statement for the financial year ending with 31st March 2011. Please find enclosed following documents.

1. Form No. V – Environmental Statement for the financial year 10-11
2. Annexure – I Ambient air quality monitoring report
3. Annexure – II Stack emission level monitoring report
4. Annexure – III Noise level monitoring report

Kindly acknowledge receipt of the same.

Thanking you,
Yours faithfully,
for **UltraTech Cement Ltd.,
Ginigera Cement Works,**

**T.K.M.Reddy
Unit Head**

Copy to,
The Member Secretary,
The Karnataka State Pollution Control Board,
No.49, 4th & 5th Floor, Parisara Bhavana,
Church Street,
Bangalore - 560 001

ENVIRONMENTAL STATEMENT FORM – V

(See rule 14)

Environmental Statement for the financial year ending with 31st March 2011.

PART – A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Ginigera Cement Works (Unit of UltraTech Cement Limited) Village : Ginigera Tehsil : Koppal District : Koppal State : Karnataka Pin : 583228 Phone No : 08359 - 286572			
2.	Industry Category Primary (S.T.C. Code) : Secondary (S.T.C. Code) :	Large Scale Large Scale Red Category			
3.	<u>Production Capacity</u>	Name of Product	Production Capacity	Actual Production	
				During previous financial year	During current financial year
		Portland Slag Cement	1.50 MT	748227.0	708141.0
		Power from DG set	Nil	Nil	Nil
4.	Year of Establishment	05.01.2007			
5.	Date of the last Environmental Audit Report submitted	15.04.2011			

PART – B

WATER AND RAW MATERIAL CONSUMPTION:

i) Water consumption m³/day

Subject	During the previous financial year 2009-10	During the current financial year 2010-11	Remarks
Process (KL)	76.59	45.8	
Cooling (KL)	Nil	Nil	
Domestic (KL)	13.88	13.62 KL	

Name of product	Process water consumption per unit of product output.	
	During the previous financial year 2009-10	During the current financial year 2010-11
1	2	3
Portland Slag Cement	0.001228417 KL/Ton of Cement	0.000776 KL/Ton of Cement
Power	Nil..... KL/KWH	Nil ... KL/KWH

(ii) Raw material consumption:

Name of the Raw Material	Name of the product	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
Limestone	Portland Slag Cement	Nil... Ton/Ton of Cement	...Nil... Ton/Ton of Cement
Red mud		Nil... Ton/Ton of Cement	...Nil... Ton/Ton of Cement
Gypsum		0.0404 Ton/Ton of Cement	0.0427 Ton/Ton of Cement
Slag		0.4165 Ton/Ton of Cement	0.469Ton/Ton of Cement
Diesel	Power	...Nil...KL/KWH	...Nil...KL/KWH

Pollution industry may use codes if disclosing detail of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PART -C

Discharged to environment / unit of output
Specified if the consent issued. Not applicable

Pollutants		Quantity of Pollutants Discharged	Concentration of Pollutants in Discharges(mass/volume)	Percentage of variation from prescribed standard with
(a)	Water:	STP -There is no water discharge	1. pH: 2. TSS:mg/l 3. BOD:mg/l 4. COD:mg/l 5. Oil & grease:mg/l	Within the limit
(b)	Air (SPM-Cement Mill stack)	42.52 tons/Year	45.6 mg/Nm ³ (Avg)	The Stack emission level is well within the statutory limit of 50 mg/Nm ³ .

PART -D

HAZARDOUS WASTES

{as specified under Hazardous Wastes (Management, Handling & Trans-boundary Movement) Rules, 2008}

Hazardous Waste	Total Quantity (Ltrs.)	
	During Previous Financial Year	During Current Financial Year
a)From Process (Cement manufacturing is based on "Dry Process" No Hazardous waste is generated from the process except used oil which is drained from Machinery / Equipments)	Total Quantity generated = = 2658 Ltrs Old Stock : Liters Reused : 2658 Liters Sale out : Nil Liters Balance : Nil Liters	Total Quantity Generated = 14991 Liters Old Stock : Nil Liters Reused : 4123 Liters Sale out : Nil Liters Balance : Nil Liters
(b) From Pollution Control Facilities	N.A.	N.A.

PART -E

SOLID WASTE

Sr. No.	Description	Total Quantity	
		During the previous financial year	During the current financial year
(a)	From Process (Fly Ash generated in CPP)	Not applicable. Ton	Not applicable. Ton
(b)	From Pollution control facility	Dust collected in the Bag Houses and Bag Filters is recycled in process.	
(c)	(1) Quantity recycled or reutilized within the unit.	100 %	100 %
	(2) sold	Nil	Nil
	(3) Disposed	Nil	Nil

PART -F

Please specify the characterization (in term of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.

Hazardous Wastes:

Cement manufacturing is based on “Dry Process”. No Hazardous waste is generated from the process except used oil which is drained from Machineries / Equipments. Used oil is sold to the authorized recyclers/self used for lubrication.

Solid Wastes:

1. Approx. ...NA... Ton of STP Sludge is generated from Sewage Treatment Plant which is been utilized as manure for green belt development.
2. Fly Ash is been generated in our Captive Thermal Power Plant which contains Silica, Alumina, Iron, Sulphur tri oxide etc. Whole quantity of Fly Ash is being utilized in cement manufacturing process.

PART –G

IMPACT OF THE POLLUTION CONTROL MEASURES ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.

Cost estimation for pollution control:

Sr. No.	Description	Expenditure (Rs. in lacs)	
		Previous Year	Current Year
1	Water Pollution	5.00504	9.07233
2	Air Pollution		
3	Noise Pollution		
4	Hazardous/Solid Waste Management	0.0	0.0
5	Green Belt Development	2.85030	6.34115
6	House Keeping	2.28402	4.25
7	Others (please specify) Labour charges for Horticulture	8.180	3.30338
	Total	18.31936	22.96686
	Total production cost (Rs. in lacs)	17867.82396	13,479.47
	Expenditure in pollution control / Total production cost (%)	0.1025	0.1730

PART –H

ADDITIONAL MEASURES/ INVESTMENT PROPOSAL FOR ENVIRONMENT PROTECTION INCLUDING ABATEMENT OF POLLUTION PREVENTION OF POLLUTION.

Details of Additional Investment:

1. Up gradation of pollution control equipments:

Sr. No.	Description	Purpose	Estimated Cost (Rs. in lacs)	Year of Installation
1	STP	Up gradation		
2	ESP	Up gradation		
3	Bag filters	Up gradation	14.71661	2010-11
	TOTAL			

2. Greenbelt Development:

Description	Current Year	Total
Area Covered under greenbelt (Ha.)	6.47	10.12
Area Covered under greenbelt (%)	63.93	100
No. of trees planted	4500	6000
Cost incurred (Rs. in lacs)	5.07	9.64453

PART -I

ANY OTHER PARTICULAR FOR IMPROVING THE QUALITY OF THE ENVIRONMENT.

1. We have full-fledged Environment Cell for monitoring, maintenance of pollution control equipment and Green Belt development.
2. Monitoring of stack emission, ambient air and water quality is being done regularly.
3. Maintenance department is doing regular checking and scheduled maintenance of all the pollution control devices.
4. Horticulture Section is taking care of tree plantation and green belt development. Every year we are growing new tree plantation.

On support of above, we are enclosing herewith following:-

- [Annexure-I](#) : Ambient Air Quality Monitoring Report
- [Annexure-II](#) : Stack Emission Level Monitoring Report
- [Annexure-III](#) : Noise level Monitoring Report