07/UTCL/GCW/Plant EC Comp/2023-24/02

Date: 28.05.2024

To,
The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Gandhi Nagar A wing- 407 & 409, Aranya Bhawan,
Near CH-3 Circle, Sector-10A, **Gandhinagar-382010.**
Email: iro.gandhingr-mefcc@gov.in

Sub.: To submit the compliance report of the Environmental Clearance granted for Integrated Cement Plant of M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works at Villages: Kovaya, Babarkot, Bhakodar, Varaswarup & Vand, Taluka: Rajula, District: Amreli (Gujarat) for the period **Oct'23 to Mar'24.**

Ref.: Environmental Clearance File No.: J-11011/495/2009-IA.II(I) dated 26th July' 2012.

Dear Sir,

This has reference to the above subject and MoEF&CC file no. cited above, we are hereby submitting point wise six monthly compliance status report for the period **Oct'23 to Mar'24** of the EC conditions for Integrated Cement Plant (Clinker- from 5.0 MTPA to 5.7 MTPA; Cement- from 3.975 MTPA to 8.0 MTPA), Coal based CPP (from 92 MW to 104 MW), Change in technology of another CPP (from Naphtha based to Gas based), Installation of WHRB- 15 MW and enhancement in limestone production capacity of Kovaya Limestone Mines (from 7.84 MTPA to 8.72 MTPA, ML Area 953.3253 ha.) at Villages: Kovaya, Babarkot, Bhakodar, Varaswarup & Vand, Taluka: Rajula, District: Amreli, (Gujarat)-365541 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works.

This is for your kind information and record please.

Thanking you,
Yours Faithfully,

For, UltraTech Cement Ltd.,
Unit: Gujarat Cement Works,

Sambhav Srivastava
Joint Executive President & Unit Head

encl.: a/a

cc to: 1) **The Incharge, Zonal Office - Central Pollution Control Board,** Parivesh Bhawan, Opp.VMC Ward Office No.:10, Subhanpura, Vadodara-390023. **Emial:westzonecpcb@yahoo.com**

2) **The Member Secretary, Gujarat Pollution Control Board,** Paryavaran Bhawan, Sector10A, Gandhinagar (Gujarat)-382010. **Email: ms-gpcb@gujarat.gov.in**

3) **The Regional Officer, Gujarat Pollution Control Board,** Swastik Complex, 1st Floor, Plot No.1616/1617 Near Vir Mokhadaji Circle, Ghogha road., Bhavnagar-(Gujarat) 364002.**Email: ro-gpcb-bhav@gujarat.gov.in**

4) **Additional Principal Chief Conservator of Forest (Central);** Ministry of Environment Forest & Climate Change, Bhopal (M.P.) **Email: rowz.bpl-mef@nic.in**

UltraTech Cement Ltd.
Unit : Gujarat Cement Works,
P.O. Kovaya, Tal. Rajula, Dist. Amreli,
Gujarat-365 541

Tel. +91 2794 283081 / 82 / 83
Fax +91 2794 283087
CIN L26940MH2000PLC128420

Regd. Office : 'B' Wing, Ahura Centre, 2nd floor,
Mahakali Caves Rd., Andheri (E), Mumbai-400 093.
Tel. +91 22 66917800 Fax +91 22 66928109
Website www.ultratechcement.com

ENVIRONMENT CLEARANCE COMPLIANCE STATUS REPORT OF INTEGRATED CEMENT PLANT
PERIOD: October 2023 to March 2024

UltraTech Cement Limited

(Unit - Gujarat Cement Works)

Vill:-Kovaya, Tal: - Rajula, Dist.:- Amreli

(Gujarat) -365541 India

Name & Location of the Plant/Industry	**:**	**Integrated Cement Plant of M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, At Village: Kovaya, Taluka: Rajula, District: Amreli (Gujarat)-365541**
Capacity of The Plant /Industry	**:**	

S. No.	Category	Unit	Existing Capacity (after Expansion)	Production/ Generation (Oct-23 to Mar-24)
1.	Clinker Production	MTPA	5.7	2.07
2.	Cement Production	MTPA	8.0	2.76
3.	TPP (Coal based)	MW	92	68.1
4.	WHRB	MW	4	7.61
5.	D. G. Set	MW	2 x 6	4.60
6.	Limestone Mine (953. 3253 Ha)	MTPA	8.72	2.51

Note:

1. **Sr. No 3:** TPP Coal based capacity is 92 MW against 104 MW as no additional capacity enhancement done.
2. **Sr. No 4: 15 MW WHRB:** commissioned after obtaining Amendment in CC&A AWH No-97041 on 05.09.2019**.**

Environmental Clearance Letter No.	**:**	**F. No.:J-11011/495/2009-IA.II (I) dated 26th July 2012**
Period of the Compliance Report	**:**	**From 01st October 2023 To 31st March 2024**

Cond.	Stipulated Conditions	Status
A.	**SPECIFIC CONDITIONS:**	
i).	Compliance to all the specific and general conditions stipulated for the existing plant by the Central/State Government shall be ensured and regular reports submitted to the Ministry's Regional Office at Bhopal/SPCB.	**Being Complied.** All the desirable specific and general conditions stipulated for the existing plant by the Central /State Government is being complied. o Last, half yearly EC compliance Report (Apr'23 to Sep'23) was submitted on 25th Nov'2023 through E-mail and the same report has been uploaded at our company website and Parivesh Portal of the MoEF&CC.

GCW Kovaya CPCB

From: GCW Kovaya CPCB
Sent: 25 November 2023 10:02
To: 'IRO Gandhinagar'
Cc: 'ms-gpcb@gujarat.gov.in'; 'ro-gpcb-bhav@gujarat.gov.in'; 'rowz.bpl-mef@nic.in'; 'westzonecpcb@yahoo.com'; 'ec-rdw.cpcb@gov.in'; 'rogpcbbhavnagar@gmail.com'; Dinakar Patil; Dr. Sandeep Kumar Tiwari
Subject: Submission of Six Monthly EC Compliance Report for the period Apr'23 to Sep'23 for M/s UltraTech Cement Ltd. Unit-Gujarat Cement Works, Village-Kovaya EC File no. J-11011/495/2009-IA.II(I) dated 26th July 2012;
Attachments: GCW Plant EC Comp report Apr'23 to Sep'23.pdf

Respected Sir,

Good Morning.

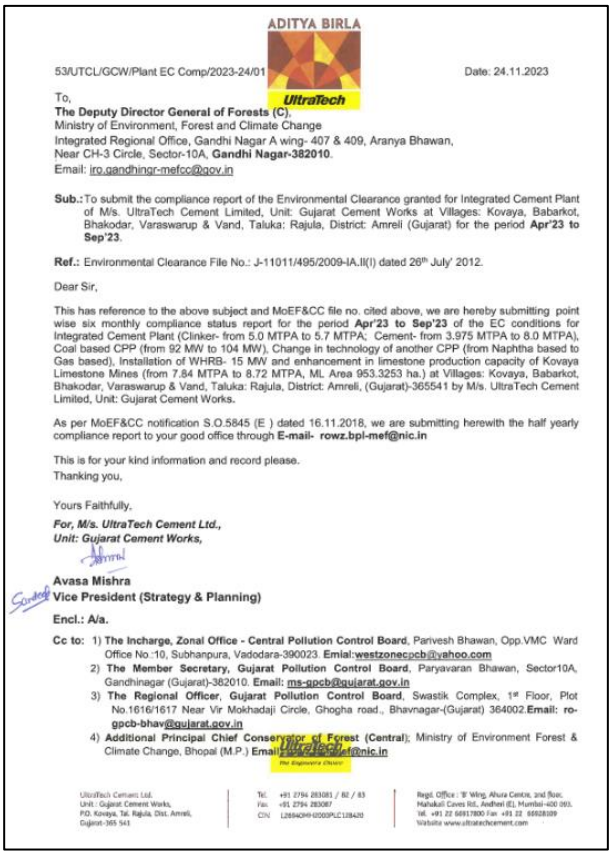
This has reference to the above cited subject matter & Environment Clearance File no. J-11011/495/2009-IA.II(I) dated 26th July 2012; we are submitting herewith the point wise six monthly compliance Report (**Period from Apr'2023 to Sep'2023)** granted to M/s UltraTech Cement Ltd. Unit-Gujarat Cement Works, Village-Kovaya, Tehsil-Rajula, District-Amreli, Gujarat-365541

As per MoEF&CC Notification dated 16/11/2018 vide S.O. 5845 (E), we are submitting herewith the EC Compliance report to your good office through e-mail (soft copy) only.

This is for your kind information and record please.

Regards
Dr.Sandeep Kumar Tiwari
Sr. Manager (Environment Cell)
|UltraTech Cement Ltd. |Gujarat Cement Works | P.O.:Kovaya |Tal.:Rajula | Dist.:Amreli | Gujarat-365541 |Mob: 7211137711, 9807247899

Email Copy



ADITYA BIRLA

UltraTech

53/UTCL/GCW/Plant EC Comp/2023-24/01 Date: 24.11.2023

To,
The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change
Integrated Regional Office, Gandhi Nagar A wing- 407 & 409, Aranya Bhawan,
Near CH-3 Circle, Sector-10A, **Gandhi Nagar-382010.**
Email: iro.gandhingr-mefcc@gov.in

Sub.: To submit the compliance report of the Environmental Clearance granted for Integrated Cement Plant of M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works at Villages: Kovaya, Babarkot, Bhakodar, Varaswarup & Vand, Taluka: Rajula, District: Amreli (Gujarat) for the period **Apr'23 to Sep'23.**

Ref.: Environmental Clearance File No.: J-11011/495/2009-IA.II(I) dated 26th July' 2012.

Dear Sir,

This has reference to the above subject and MoEF&CC file no. cited above, we are hereby submitting point wise six monthly compliance status report for the period **Apr'23 to Sep'23** of the EC conditions for Integrated Cement Plant (Clinker- from 5.0 MTPA to 5.7 MTPA; Cement- from 3.975 MTPA to 8.0 MTPA), Coal based CPP (from 92 MW to 104 MW), Change in technology of another CPP (from Naphtha based to Gas based), Installation of WHRB- 15 MW and enhancement in limestone production capacity of Kovaya Limestone Mines (from 7.84 MTPA to 8.72 MTPA, ML Area 953.3253 ha.) at Villages: Kovaya, Babarkot, Bhakodar, Varaswarup & Vand, Taluka: Rajula, District: Amreli, (Gujarat)-365541 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works.

As per MoEF&CC notification S.O.5845 (E) dated 16.11.2018, we are submitting herewith the half yearly compliance report to your good office through **E-mail- rowz.bpl-mef@nic.in**

This is for your kind information and record please.
Thanking you,

Yours Faithfully,

For, M/s. UltraTech Cement Ltd.,
Unit: Gujarat Cement Works,

Avasa Mishra
Vice President (Strategy & Planning)

Encl.: A/a.

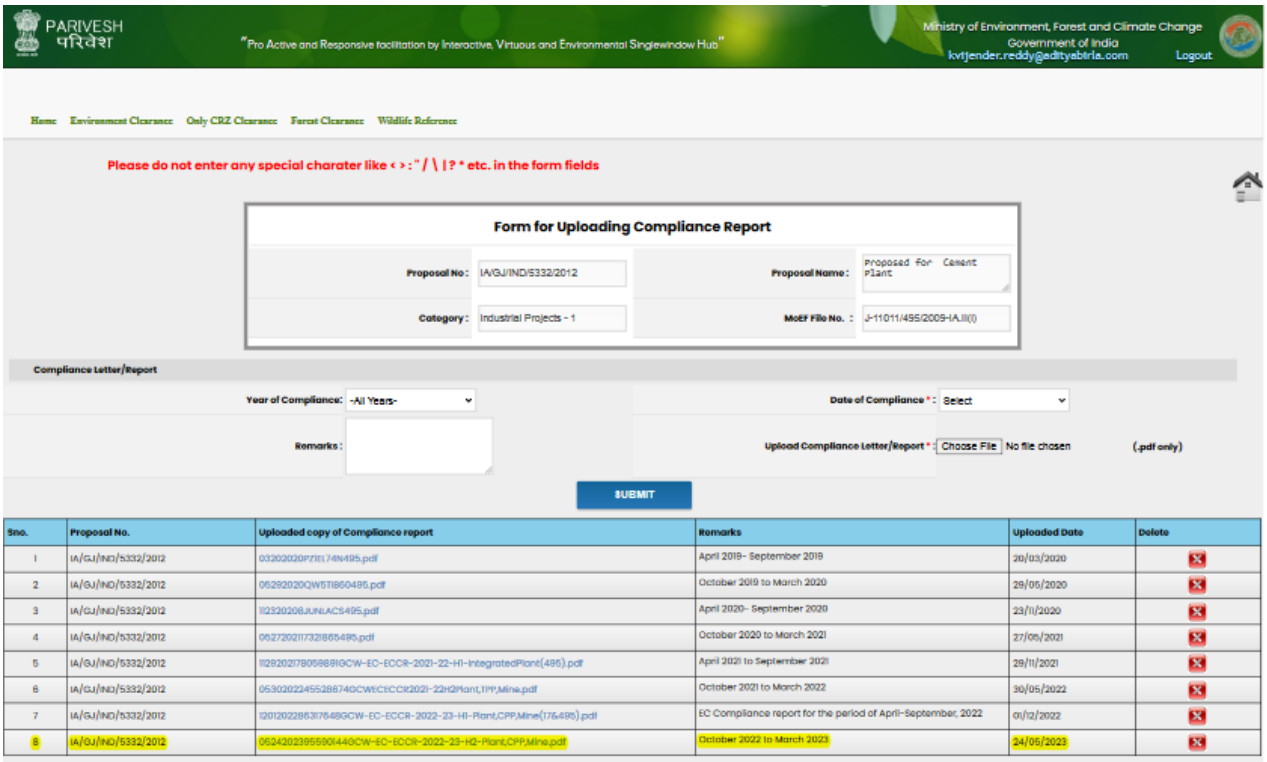
Cc to: 1) **The Incharge, Zonal Office - Central Pollution Control Board**, Parivesh Bhawan, Opp.VMC Ward Office No.:10, Subhanpura, Vadodara-390023. **Emial:westzonecpcb@yahoo.com**
2) **The Member Secretary, Gujarat Pollution Control Board**, Paryavaran Bhawan, Sector10A, Gandhinagar (Gujarat)-382010. **Email: ms-gpcb@gujarat.gov.in**
3) **The Regional Officer, Gujarat Pollution Control Board**, Swastik Complex, 1st Floor, Plot No.1616/1617 Near Vir Mokhadaji Circle, Ghogha road., Bhavnagar-(Gujarat) 364002.**Email: ro-gpcb-bhav@gujarat.gov.in**
4) **Additional Principal Chief Conservator of Forest (Central)**; Ministry of Environment Forest & Climate Change, Bhopal (M.P.) **Email: [illegible]@nic.in**

UltraTech Cement Ltd.
Unit : Gujarat Cement Works,
P.O. Kovaya, Tal. Rajula, Dist. Amreli,
Gujarat-365 541

Tel. +91 2794 283081 / 82 / 83
Fax +91 2794 283087
CIN L26940MH2000PLC128420

Regd. Office : 'B' Wing, Ahura Centre, 2nd floor,
Mahakali Caves Rd., Andheri (E), Mumbai-400 093.
Tel. +91 22 66917800 Fax +91 22 66928109
Website www.ultratechcement.com

Screenshot for EC Compliance Report Submission to MoEFCC



PARIVESH परिवेश

"Pro Active and Responsive facilitation by Interactive, Virtuous and Environmental Singlewindow Hub"

Ministry of Environment, Forest and Climate Change
Government of India
kvtjender.reddy@adityabirla.com Logout

Home Environment Clearance Only CRZ Clearance Forest Clearance Wildlife Reference

Please do not enter any special charater like < > : " / \ | ? * etc. in the form fields

Form for Uploading Compliance Report

Proposal No: IA/GJ/IND/5332/2012 Proposal Name: Proposed for Cement Plant

Category: Industrial Projects - 1 MoEF File No. : J-11011/495/2009-IA.II(I)

Compliance Letter/Report

Year of Compliance: -All Years- Date of Compliance * : Select

Remarks: Upload Compliance Letter/Report * : Choose File No file chosen (.pdf only)

SUBMIT

Sno.	Proposal No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
1	IA/GJ/IND/5332/2012	03202020PZIEL74N495.pdf	April 2019- September 2019	20/03/2020	
2	IA/GJ/IND/5332/2012	05292020QW5TI860495.pdf	October 2019 to March 2020	29/05/2020	
3	IA/GJ/IND/5332/2012	112320208JUNLACS495.pdf	April 2020- September 2020	23/11/2020	
4	IA/GJ/IND/5332/2012	06272021173218654195.pdf	October 2020 to March 2021	27/05/2021	
5	IA/GJ/IND/5332/2012	112920217805868IGCW-EC-ECCR-2021-22-HI-IntegratedPlant(495).pdf	April 2021 to September 2021	29/11/2021	
6	IA/GJ/IND/5332/2012	05302022455528674GCWECECCR2021-22H2Plant,1PP,Mine.pdf	October 2021 to March 2022	30/05/2022	
7	IA/GJ/IND/5332/2012	12012022863I7548GCW-EC-ECCR-2022-23-HI-Plant,CPP,Mine(17&495).pdf	EC Compliance report for the period of April-September, 2022	01/12/2022	
8	IA/GJ/IND/5332/2012	05242023955901440GCW-EC-ECCR-2022-23-H2-Plant,CPP,Mine.pdf	October 2022 to March 2023	24/05/2023	

Parivesh portal EC report uploading Screenshot

ii).	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the State Pollution Control Board. At no time, particulate emissions from the cement plant including Kiln, Coal Mill, Cement Mill, Cooler and Captive Power Plant (CPP) shall not exceed 50 mg/Nm^3	**Being Complied.** The Gaseous & Particulate Matter (PM) emission from stacks are well within the standards prescribed by SPCB. The stack emissions are regularly monitored by a NABL accredited third party lab and report of same for the period Oct'23 to Mar'24 is given in below **Table-1.**

Table-1

	LINE-1						LINE-2					
Stack No.	**S-1**				**S-9**	**S-3**	**S-2**				**S-10**	**S-4**
Stack Name	**Raw mill & Kiln**				**Coal Mill**	**Clinker Cooler**	**Raw mill & Kiln**				**Coal Mill**	**Clinker Cooler**
Parameter	**PM**	**SO_2**	**NOx**	**PM kg/T Clinker**	**PM**	**PM**	**PM**	**SO_2**	**NOx**	**PM kg/T Clinker**	**PM**	**PM**
Std Limit (mg/Nm³)	**30**	**100**	**1000**	**0.125**	**30**	**30**	**30**	**100**	**1000**	**0.125**	**30**	**30**
Oct-23	12.5	13.8	751.2	0.018	14.2	13.8	13.4	6.3	308.1	0.018	12.8	11
Nov-23	17.7	18.9	825.3	0.028	20.1	18.4	20.1	4.4	370.6	0.027	15.1	14.1
Dec-23	20.1	8.9	625	0.022	12.2	11	15.4	5.7	352.4	0.021	20.4	17.8
Jan-24	13.5	1	780.3	0.019	12.8	14.2	24.2	4.7	404.6	0.027	19	20.1
Feb-24	21.8	0	963.7	0.024	10.8	17.1	15.6	5	421.8	0.019	13.6	11.2
Mar-24	13.7	0	846.3	0.016	25.4	23.6	16.2	4.1	859.6	0.020	7.3	12.2
Min.	**11.1**	**0**	**625**	**0.016**	**10.7**	**11**	**11.6**	**4.1**	**308.1**	**0.018**	**7.3**	**11**
Max.	**21.8**	**24.7**	**963.7**	**0.028**	**25.4**	**23.6**	**24.2**	**80.3**	**859.6**	**0.027**	**20.4**	**20.1**
Avg.	**15.9**	**13.6**	**813.9**	**0.021**	**14.6**	**15.3**	**16.4**	**16.2**	**447.9**	**0.022**	**12.5**	**14.6**

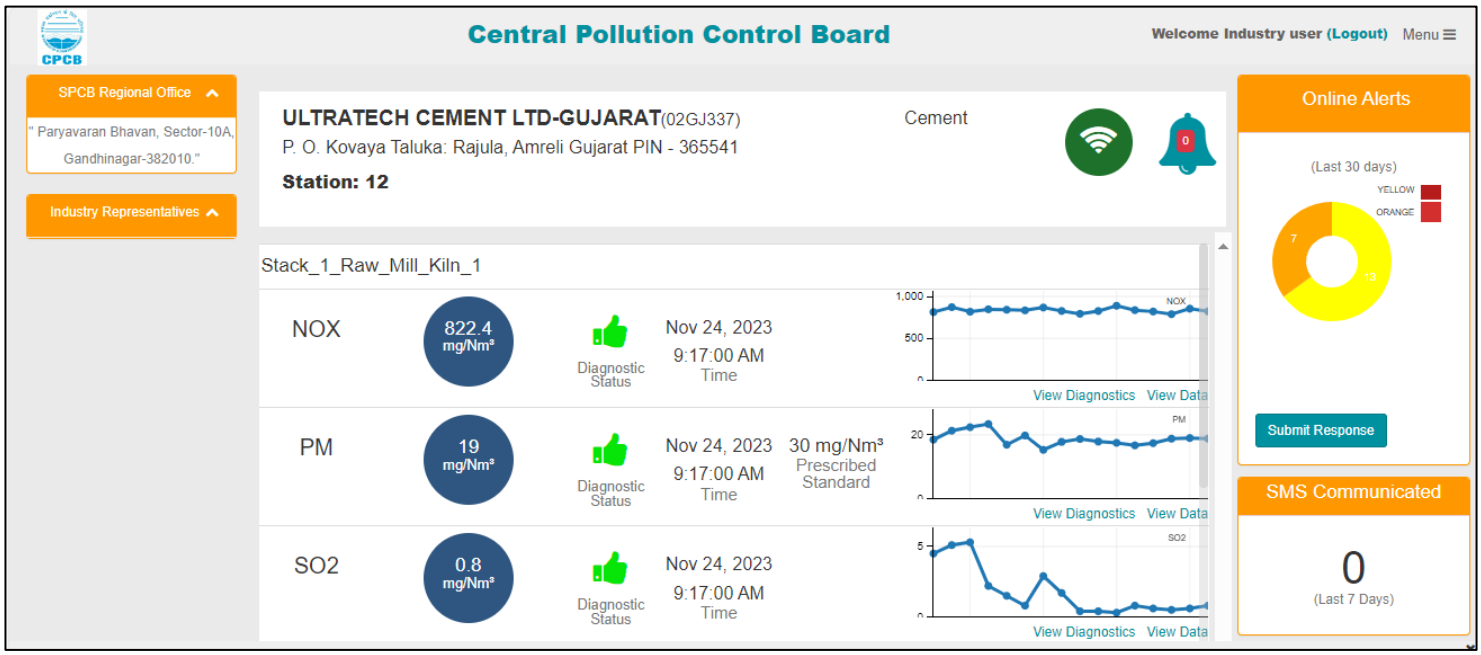
	Cement Mill			
Stack No.	**S-5**	**S-6**	**S-7**	**S-8**
Stack Name	**Cement Mill-1**	**Cement Mill-2**	**Cement Mill-3**	**Cement Mill-4**
Parameter	**PM**	**PM**	**PM**	**PM**
Std. Limit (mg/Nm³)	**30**	**30**	**30**	**30**
Oct-23	11.5	13.8	12.2	15.6
Nov-23	17.8	15.3	12.3	15.9
Dec-23	16.6	15.8	22.2	14.8
Jan-24	10.3	21.3	11.4	16.5
Feb-24	18.3	25	23.4	20.5
Mar-24	11.6	12.2	19.1	8.1
Min.	**8.9**	**12.2**	**11.4**	**8.1**
Max.	**22.6**	**25**	**23.4**	**20.5**
Avg.	**14.0**	**16.3**	**16.6**	**14.4**

	Thermal Power Plant (TPP)							
Stack No.	**S-19**				**S-20**			
Stack Name	**TPP Boiler No-1&2 (23X2 MW)**				**TPP Boiler No-3&4 (23X2 MW)**			
Parameter	**PM**	**SO_2**	**NOx**	**Hg**	**PM**	**SO_2**	**NOx**	**Hg**
Std Limit (mg/Nm³)	**50**	**600**	**450**	**0.03**	**50**	**600**	**450**	**0.03**
Oct-23	20.9	371.5	92.8	**0.003***	16.1	160.5	144.8	**0.011***
Nov-23	11.3	173.1	278.5		19.1	190.1	29.6	
Dec-23	20.7	245.4	69.2		17.1	253.4	153.2	
Jan-24	15.4	176.7	30.4		28.3	327.4	147.2	
Feb-24	31.8	218.9	48.7		12.8	318.1	142.2	
Mar-24	22.1	212.8	28.2		24.4	311.3	135.0	
Min.	**11.3**	**173.1**	**28.2**		**12.8**	**160.5**	**29.6**	
Max.	**31.8**	**371.5**	**278.5**		**32.5**	**434.3**	**153.2**	
Avg.	**20.6**	**235.2**	**82.1**		**20.2**	**293.0**	**109.3**	

**Monitoring of Hg was done on annual basis. Last monitoring was done in Nov-2023.*

iii).	Continuous on-line monitors for particulate emissions shall be installed. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.	**Complied.** Continuous on-line monitoring system have installed at all process stack and unit transmitting the online data to CPCB & SPCB server on real time basis. Interlocking facility with pollution control equipment's have provided in case of the respective unit (s) is shut down automatically.

Opacity Meter installed at Stack



Screenshot of CPCB RTDMS server

iv).	Data on ambient air quality (PM10, PM2.5 SO_2, and NO_X) shall be regularly submitted to the Ministry including its Regional Office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months. Further, quality of discharged water shall also be monitored [(TDS, DO, pH) and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the company in public domain.	**Being Complied.** Unit is being submitted regular monitoring results of ambient air quality to the Ministry including its Regional Office located at Gandhinagar and the Gujarat Pollution Control Board / Central Pollution Control Board once in six months along with Six Monthly EC compliance report through e-mail. Ambient Air Quality Monitoring results are given in **Table-2**. Cement manufacturing is dry process and therefore, no process/industrial waste water is being generated at any stage of cement manufacturing process. Domestic Waste water is treated in existing Sewage Treatment Plant (STP) & effluent water generated from TPP is being treated in Waste Water Treatment Plant (WWTP) of TPP. The quality of treated waste water is well within the norms and the analysis result are given in **Table-3**. The monitored data is being uploaded regularly on website of the company and displayed on a display

	board at the plant main gate of the company in public domain.

Ambient Air Quality Monitoring

Table-2

M/s. UltraTech Cement Limited,
Unit: Gujarat Cement Works,

Air Quality Monitoring Results: Oct'23 to Mar'24

Location 1-On Terrace of Admin Building (Core Zone)												
	PM 2.5			PM 10			SO_2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	21.4	27.8	24.8	41.8	46.9	43.9	5.1	11.7	10.2	12.1	17.3	14.2
Nov-23	28.8	29.6	26.2	42.8	49.4	46.3	8.5	14.1	11.5	12.1	18.9	16.6
Dec-23	26.4	35.9	32.3	49.4	62.9	55.3	8.2	14.1	10.2	10.1	18.9	14.0
Jan-24	29.8	38.7	34.3	52.5	65.2	58.8	5.4	15.5	11.3	9.9	19.3	14.7
Feb-24	33.4	44.6	37.7	57.2	69.3	63.9	8.7	15.6	11.7	12.2	19.8	15.2
Mar-24	35.8	42.9	39.2	57.6	69.3	64.4	8.9	15.6	12.8	14.9	19.7	17.1

Location 2 -At Village Kovaya (Buffer Zone)												
	PM 2.5			PM 10			SO_2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	20.4	26.8	23.8	40.2	44.5	42.6	10.7	14.2	12.6	14.8	18.7	16.4
Nov-23	23.1	27.3	25.5	41.8	49.1	44.8	11.0	14.9	13.4	16.4	19.4	18.2
Dec-23	27.1	34.8	32.4	49.1	63.3	58.7	9.7	15.2	12.1	11.7	18.0	14.6
Jan-24	30.5	29.4	35.9	51.1	65.5	56.7	9.4	13.9	12.0	10.1	17.2	13.8
Feb-24	34.4	43.5	39.4	56.0	65.8	62.3	9.9	16.2	13.0	10.5	18.4	15.2
Mar-24	32.9	38.6	35.5	51.6	63.2	58.5	8.1	14.2	10.9	10.9	18.1	14.4

Location 3-On Terrace of Aditya Birla Public School (Buffer Zone)												
	PM 2.5			PM 10			SO_2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	22.6	28.4	26.1	42.5	48.9	46.4	8.7	13.5	11.3	14.5	20.8	17.0
Nov-23	24.0	23.6	28.3	44.5	49.8	47.8	9.9	14.4	12.7	16.2	20.8	18.4
Dec-23	29.8	36.7	32.5	49.8	65.3	58.0	8.6	14.7	10.7	11.1	20.8	15.7
Jan-24	29.4	36.8	32.4	39.2	53.3	45.8	7.6	11.1	9.8	9.9	15.4	12.4
Feb-24	33.4	39.0	36.0	47.1	56.4	51.7	9.2	13.8	11.1	11.2	16.8	13.5
Mar-24	30.1	36.4	33.8	47.5	57.3	51.6	8.9	13.4	11.0	10.8	15.2	12.8

'Kovaya Limestone Mines (Core Zone), M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works,

Air Quality Monitoring Results: Oct'23 to Mar'24

Location 1-Near Pit-2 Junction Area												
	PM 2.5			PM 10			SO_2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	24.50	21.50	23.00	44.10	46.80	45.45	10.50	12.40	11.45	13.50	15.80	14.65
Nov-23	25.20	22.20	23.70	46.3	47.1	46.7	11.00	11.80	11.40	15.30	14.80	15.05
Dec-23	23.10	18.20	20.65	46.8	45.6	46.2	10.20	10.00	10.10	13.90	12.30	13.10
Jan-24	24.20	19.10	21.65	48.50	47.10	47.80	10.90	10.50	10.70	14.50	14.20	14.35
Feb-24	26.40	17.60	22.00	50.20	49.00	49.60	11.20	9.80	10.50	15.50	14.90	15.20
Mar-24	30.20	21.50	25.85	55.60	52.40	54.00	9.40	13.00	11.20	18.30	16.70	17.50

Location 2- Vandh Block												
	PM 2.5			PM 10			SO_2			NOx		
STD Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	26.80	24.10	25.45	43.80	45.80	44.80	11.45	11.50	11.48	11.45	11.50	11.48
Nov-23	24.30	24.80	24.55	45.10	44.00	44.55	9.90	13.70	11.80	9.90	13.70	11.80
Dec-23	21.00	24.20	22.60	43.00	42.30	42.65	8.40	11.80	10.10	8.40	11.80	10.10
Jan-24	23.80	25.60	24.70	45.20	41.80	43.50	9.10	11.10	10.10	9.10	11.10	10.10
Feb-24	25.30	23.90	24.60	47.60	42.90	45.25	8.90	12.20	10.55	8.90	12.20	10.55
Mar-24	28.30	25.30	26.80	43.10	46.70	44.90	10.30	11.60	10.95	10.30	11.60	10.95

Location 3- Near Workshop (Mine Complex)												
	PM 2.5			PM 10			SO_2			NOx		
STD Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	23.50	25.50	24.50	45.80	47.10	46.45	11.60	13.40	12.50	17.60	19.40	18.50
Nov-23	26.10	24.00	25.05	43.80	46.80	45.30	13.20	14.90	14.05	16.80	18.10	17.45
Dec-23	23.60	21.80	22.70	40.60	44.10	42.35	10.90	12.60	11.75	14.20	15.20	14.70
Jan-24	25.30	23.90	24.60	42.30	43.20	42.75	11.20	10.20	10.70	15.60	15.40	15.50
Feb-24	27.90	21.10	24.50	43.20	45.50	44.35	11.60	11.50	11.55	16.30	14.70	15.50
Mar-24	25.50	27.10	26.30	53.40	42.10	47.75	10.90	9.60	10.25	13.60	17.30	15.45

Location 4 -Babarkot Block												
	PM 2.5			PM 10			SO2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	25.40	23.80	24.60	46.90	48.20	47.55	9.80	11.10	10.45	16.50	18.44	17.47
Nov-23	24.80	21.80	23.30	45.70	47.30	46.50	8.90	11.00	9.95	13.70	16.20	14.95
Dec-23	22.70	20.30	21.50	42.80	45.00	43.90	8.10	9.60	8.85	11.80	14.90	13.35
Jan-24	24.80	21.50	23.15	46.30	43.80	45.05	9.50	12.20	10.85	13.90	13.20	13.55
Feb-24	23.40	19.60	21.50	48.10	44.60	46.35	9.90	13.10	11.50	13.50	13.90	13.70
Mar-24	27.60	29.40	28.50	45.90	43.60	44.75	11.40	10.20	10.80	16.70	14.20	15.45

Location 5-Bhakhodar Block												
	PM 2.5			PM 10			SO2			NOx		
Std Limit	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Oct-23	24.80	22.80	23.80	42.80	44.80	43.80	10.50	12.40	11.45	18.90	20.10	19.50
Nov-23	23.10	24.60	23.85	43.80	45.90	44.85	11.10	10.80	10.95	19.00	18.80	18.90
Dec-23	21.70	24.30	23.00	41.90	43.10	42.50	10.40	9.10	9.75	17.40	16.70	17.05
Jan-24	23.90	26.20	25.05	40.20	41.60	40.90	10.10	9.90	10.00	18.50	15.40	16.95
Feb-24	22.80	25.50	24.15	42.60	41.70	42.15	10.60	10.20	10.40	19.30	16.90	18.10
Mar-24	24.90	26.70	25.80	48.70	44.50	46.60	13.40	11.70	12.55	14.60	18.00	16.30

Thermal Power Plant, M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works

Air Quality Monitoring Results: Oct'23 to Mar'24

Area	Parameter	Unit	Std Limit	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Min	Max	Avg
Within the Plant Premise												
Near WWTP	PM 10	ug/m^3	100	44.1	46.3	42.7	44.5	45.2	48.6	**42.7**	**48.6**	**45.2**
	SO_2	ug/m^3	80	9.1	11.2	12.6	11.3	10.2	11.2	**9.1**	**12.6**	**10.9**
	NO_2	ug/m^3	80	16.4	18.2	17.4	19.2	18.4	15.4	**15.4**	**19.2**	**17.5**
	PM 2.5	ug/m^3	60	21.6	22.9	20.8	21.8	23.4	21.5	**20.8**	**23.4**	**22.0**
Near Project Office	PM 10	ug/m^3	100	45.1	45.3	44.8	40.4	37.1	39.1	**37.1**	**45.3**	**42.0**
	SO_2	ug/m^3	80	10.9	12.9	13.2	9.8	8.1	10.5	**8.1**	**13.2**	**10.9**
	NO_2	ug/m^3	80	15.1	16.2	16.4	18.1	13.4	15.4	**13.4**	**18.1**	**15.8**
	PM 2.5	ug/m^3	60	25.6	23.4	19.8	18.4	16.2	20.4	**16.2**	**25.6**	**20.6**
Near Secondary Crusher House	PM 10	ug/m^3	100	47.8	48.9	45.6	47.6	49.6	45.3	**45.3**	**49.6**	**47.5**
	SO_2	ug/m^3	80	11.6	13.7	9.8	10.6	9.9	10.2	**9.8**	**13.7**	**11.0**
	NO_2	ug/m^3	80	18.6	19.8	15.0	17.0	16.3	14.5	**14.5**	**19.8**	**16.9**
	PM 2.5	ug/m^3	60	23.8	25.1	23.4	22.7	24.5	23.4	**22.7**	**25.1**	**23.8**
Outside of the Plant Premise												
Near TPP Gate	PM 10	ug/m^3	100	42.3	46.1	42	41.1	39.5	34.8	**34.8**	**46.1**	**41.0**
	SO_2	ug/m^3	80	12.3	13.7	11.8	10.2	8.8	9.7	**8.8**	**13.7**	**11.1**
	NO_2	ug/m^3	80	16.8	18.0	15.2	16.6	15.2	14.2	**14.2**	**18.0**	**16.0**
	PM 2.5	ug/m^3	60	23.1	24.9	20.2	23.5	21.3	19.8	**19.8**	**24.9**	**22.1**
At Rampura Village	PM 10	ug/m^3	100	42.8	43.8	41.8	44.3	43.7	46.3	**41.8**	**46.3**	**43.8**
	SO_2	ug/m^3	80	9.9	11.1	11.6	11.1	12.4	10.5	**9.9**	**12.4**	**11.1**
	NO_2	ug/m^3	80	16.5	18.7	16.1	17.2	18.4	15.3	**15.3**	**18.7**	**17.0**
	PM 2.5	ug/m^3	60	24.1	26.1	25.3	27.6	26.9	29.6	**24.1**	**29.6**	**26.6**
At Lodhpur Village	PM 10	ug/m^3	100	40.3	39.6	38.5	42	42.2	44.8	**38.5**	**44.8**	**41.2**
	SO_2	ug/m^3	80	10.5	12.9	9.2	9.9	9.6	10.9	**9.2**	**12.9**	**10.5**
	NO_2	ug/m^3	80	15.1	16.2	14.2	14.3	15.5	13.4	**13.4**	**16.2**	**14.8**
	PM 2.5	ug/m^3	60	26.8	28.7	23.8	25.4	28.4	24.7	**23.8**	**28.7**	**26.3**

Table-3

Analysis Report of Domestic Effluent (STP) - After Treatment

S.No.	Parameters	Unit	Permissible Limit	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Min.	Max.	Avg.
1	p H	PH Units	6.5 to 9.0	7.26	7.10	7.18	7.01	6.95	7.05	6.95	7.26	7.09
2	Total Suspended solids	mg/l	<100	10.60	9.90	10.40	9,2	9.00	11.0	9.00	11.00	10.18
3	BOD	mg/l	30.0	7.80	7.10	7.40	7.10	7.30	9.2	7.10	9.20	7.65
4	Fecal Coliform	counts/100ml	<1000MPN	absent	absent	absent	absent	absent	absent	absent	absent	absent

Thermal Power Plant, Unit: Gujarat Cement Works

Waste water treated Effluent Analysis report for the Oct-2023 to Mar-2024

Parameter	Limit	Unit	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Min.	Max.	Avg.
pH	6.5 to 8.5	-	7.49	7.7	7.61	7	7.08	7.28	7	7.7	7.39
Colour Pt.Co.Scale	100	Pt scale	20	25	24	25	26	29	20.0	46.0	32.8
Temperature	40	Centigrade	28	28	26	25	29	24	24.0	32.0	28.2
Suspended Solids	100	mg/l	36	38	36	34	32	30	30.0	48.0	38.6
Oil & Grease	10	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
COD	100	mg/l	26.25	30.5	36	40.5	46	41	26.25	46	35.8
BOD	30	mg/l	10.5	12.2	14.4	16.2	18.4	18.6	10.5	20.16	15.5
Sulphides	2	mg/l	0.4	0.5	0.4	0.5	0.6	0.4	0.3	0.7	0.5
Phosphates	5	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Chromium	0.2	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium	0.1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Copper	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Iron	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Note: ND = Not Detectable

Reject Water (Return in to the Sea) Analysis Report (Oct-23 to Mar-24)											
Parameter	**Limit**	**Unit**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Min.**	**Max.**	**Avg.**
pH	6.5 to 8.5	pH	7.3	7.22	7.28	7.18	7.26	7.12	**7.12**	**7.28**	**7.21**
Colour	100	Co. Pt. Scale	25	23	24	23	25	28	**23.0**	**28.0**	**24.6**
Temperature	Not more than 5 °C higher than the receiving water	°C	28	30	29	28	32	31	**29/32**	**31/33**	**30/32**
Total Suspended solids	100	mg/l	42	47	51	48	51	47	**47.0**	**51.0**	**48.8**
Phosphates	6	mg/l	3.3	3.6	3.9	3.4	3.5	2.8	**2.8**	**3.9**	**3.4**
Hexavalent Chromium	0.1	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**	**< 0.01**	**< 0.01**
Total Chromium	0.2	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	**< 0.01**	**< 0.01**	**< 0.01**
Period of Bio-Assay Test	96	Hours	96	96	96	96	96	96	**96**	**96**	**96.0**
Bio-Assay Test Result	90% Survival of fish after 96 hours 100% effluents	--	96 % Survival of Fish after 96 hrs. in 100 % effluent	95 % Survival of Fish after 96 hrs. in 100 % effluent	95 % Survival of Fish after 96 hrs. in 100 % effluent	95 % Survival of Fish after 96 hrs. in 100 % effluent	95 % Survival of Fish after 96 hrs. in 100 % effluent	95 % Survival of Fish after 96 hrs. in 100 % effluent	**95.0 % Survival of Fish after 96 hrs. in 100 % effluent**	**96.0 % Survival of Fish after 96 hrs. in 100 % effluent**	**95.5 % Survival of Fish after 96 hrs. in 100 % effluent**

Environment Display board at Plant main gate of the company

v).	The Company shall install low NOx burner with Kiln/calciner for control of NOx emissions.	**Complied.** Low NO_X burner have been installed in both Line-I & II kiln for control of NO_X .

Pyro jet Low NOx Burner

vi).	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.	**Being Complied.** To control the secondary fugitive emissions within the prescribed limits, code of practice issued by CPCB is being followed and monthly monitoring is being done. Monitoring data is given in below **Table-4:** **Following action have taken to control Fugitive emission.**

1. Fly ash transported in closed tankers from thermal power plant to our plant and pneumatically transferred to dedicated fly ash silo.
2. Unit has installed required bag filters at every transfer/ unloading points for control dust emission during material handling.
3. Regular maintenance of bag filters have been carried out to bring down dust emission below stipulated norms.
4. Unit using mechanized vacuum sweeping machine for plant cleaning to avoid dust emission.
5. Truck yard and roads within plant premises is constructed pucca to minimize dust emission.
6. Unit using treated waste water of STP for spraying on roads, storage yard to reduce dust emission.
7. All Belt conveyors are closed to control Fugitive emission.
8. Water sprinkler system/Rain gun is provided at fuel storage area.

Mechanised Sweeping Machine

Closed Belt Conveyor

Double skirt rubber at Truck tippler

Fogging system at Truck Tippler

Table-4

FUGITIVE EMISSION MONITORING (Oct-23 to Mar-24)								
Location	Near Clinker Yard	Cement Mill	Near Gypsum Storage Area	Near Packing Plant	Near Raw Mill Area	Near Limestone Storage Area	Coal Yard Storage Area	Coal Mill Area
Parameter	**SPM (µg/m³)**							
STD Limit	**5000 µg/m3**						**2000 µg/m3**	
Oct-23	1103	1596	1452	1023	1844	2145	1803	2012
Nov-23	1328	1652	1525	1120	1928	2218	1972	2098
Dec-23	1423	1789	1752	1347	2138	2498	2134	2258
Jan-24	1529	1837	1965	1467	2231	2546	2291	2379

Feb-24	1672	1925	2106	1597	2401	2730	2356	2519
Mar-24	1593	1859	2076	1507	2331	2664	2273	2458
Minimum	**1103**	**1596**	**1452**	**1023**	**1844**	**2145**	**1803**	**2012**
Maximum	**1672**	**1925**	**2106**	**1597**	**2401**	**2730**	**2356**	**2519**
Average	**1393**	**1751**	**1761**	**1298**	**2102**	**2421**	**2090**	**2248**

* ***SPM*** *– Suspended Particulate Matter.*

Ref. No. : 510/01/2023-24

Date: 31/01/2024

Form No. 37

(Prescribed under Rule 12-B)

Register containing particulars of monitoring of working environment required under Section 7-A(2)(e).

1 Name of the Department/Plant.: **Ultra Tech Cement (Unit:Gujarat Cement Works), Kovaya.**

2 Raw materials, by-products and finished products involved in the process.: **Raw Materials:** Lime stone, Marl, Sweetner, Iron ore, Bauxite, Coal, Gypsum, Pozzolona. ; **Finish Products:** Cement

3 Particulars of sampling

Sr.No	Area	Person	Designation	Date	Time Period
1	Coal Yard	Mr.Ajay Baraiya	Labour	02-01-2024	09:00AM to 05:00PM
2	Packer-3	Mr.Dula N Lakhnotra	Labour	17-01-2024	10:00AM to 06:00PM
3	Coal Yard	Mr.Manubhai Shankhat	Labour	24-01-2024	10:00AM to 06:00PM
4	Packer-3	Mr.Sathendra Mahete	Labour	29-01-2024	10:00AM to 06:00PM

Sr. No.	Location/ Operation mentioned	Identified contaminant	Sampling instrument used	Airborne Contamination			TWA Concentration (As given in Second Schedule) in mg/m³	Reference method	Number of workers exposed at the location being monitored	Remarks	Signature person taking samples	Name (in block letters)
				Number of Samples	Range (mg/m³)	Average (mg/m³)						
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Packer-3	Cement Dust	Personal Dust Sampler VPDS 203	2	1.4 to 5.9	3.65	10.0	Gravimetric	2	–		MR. GHANSHYAM BATTA
2	Coal Yard	Coal Dust		2	0.9 to 1.5	1.20	2.0	Gravimetric	2	–		

Calibration Done on.: 04/03/2023

Royal Environment Auditing & Consultancy Service

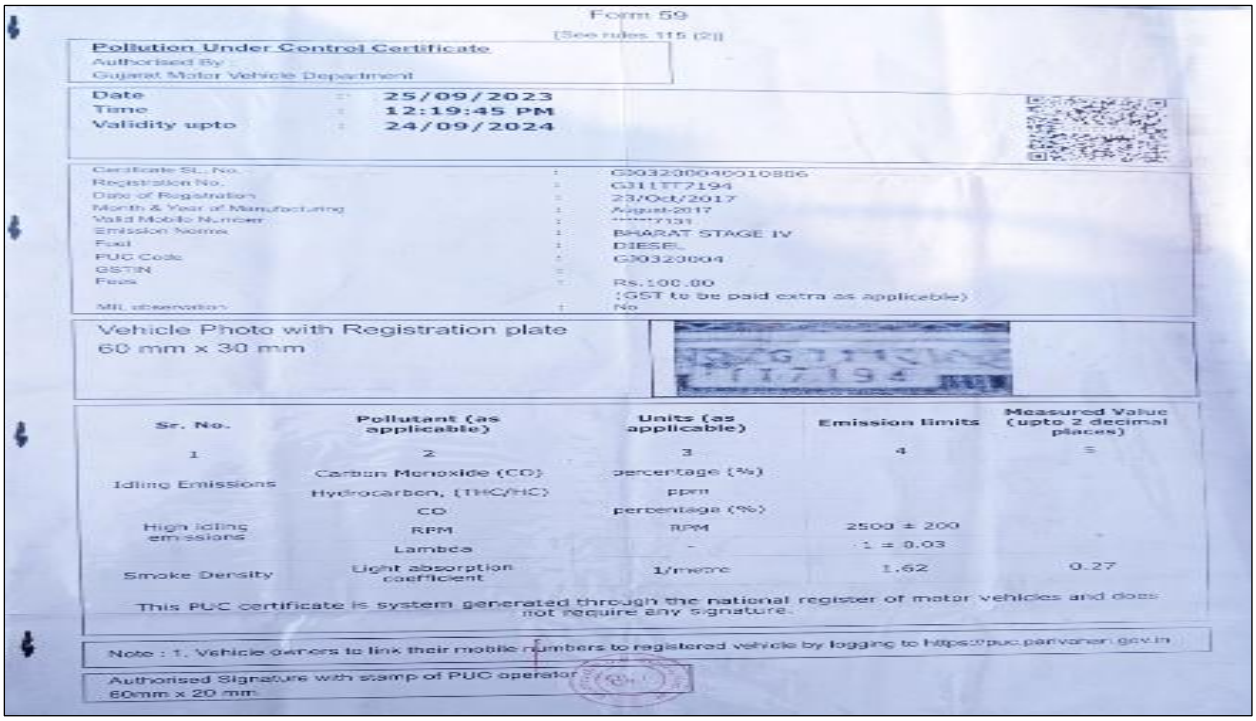
Authorized Sign.

Form-37 Work zone monitoring

vii).	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	**Complied.** Regularly monitoring of ambient air quality is being done which is well below the National ambient air quality standards. Details has given in above **specific condition no. iv, Table-2.**
viii).	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and shall not be overloaded. Vehicular emissions should be regularly monitored.	**Being Complied.** All the raw material is transported to plant through covered trucks in order to reduce dust. From crusher to plant, the limestone is transported via closed conveyer belt. Fly ash is transported through closed tankers from the thermal power plant to the cement plant and pneumatically transferred to dedicated fly ash silos. There is no exposure of the fly ash to the agricultural land. The trucks are weighed prior to transport and are not overloaded. Vehicles are using for transportation of Raw materials and products are having valid PUC certificate for certifying the vehicular emission within norms.

Fly Ash Transportation in closed bulker

Raw Material Transportation in covered Vehicle



Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Gujarat Motor Vehicle Department

Date	25/09/2023
Time	12:19:45 PM
Validity upto	24/09/2024

Certificate Sl. No.	GJ0323004O010886
Registration No.	GJ11TT7194
Date of Registration	23/Oct/2017
Month & Year of Manufacturing	August-2017
Valid Mobile Number	******7131
Emission Norms	BHARAT STAGE IV
Fuel	DIESEL
PUC Code	GJ0323004
GSTIN	
Fees	Rs.100.00 (GST to be paid extra as applicable)
MIL observation	No

Vehicle Photo with Registration plate
60 mm x 30 mm

Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
	CO	percentage (%)		
High idling emissions	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.27

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to https://puc.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

PUC certificate

ix).	Fly ash shall be utilized as per the provisions of Fly Ash Notification, 1999, subsequently amended in 2009. Fly ash shall be stored in ash silo and 100% used in the cement manufacturing.	**Being Complied.** Fly ash generated from our captive thermal power plant is being reused in cement manufacturing process. Moreover, generated fly ash is being stored in silo only and same is being handle in pneumatically to avoid any manual interventions. During compliance period about **47750.15 MT** fly ash was generated and same is reused in cement manufacturing.
x).	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to ministry's Regional Office at Bhopal, CPCB and SPCB.	**Being Complied.** Efforts to utilize the high calorific hazardous waste in the cement plant kiln and necessary provisions are being made accordingly and the records for the same is maintained and is being submitted through Form – 4 to ministry's Regional Office, CPCB zonal Office and SPCB regular basis. In Cement plant during **Apr'23 to Mar'24:** Total Hazardous and non-hazardous waste co-processed in Kiln was **168976 MT**

xi).	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony including check dams at mine site. The company must also collect rain water in the mined out pits of captive limestone mine and use the same water for the various activities of the project to conserve fresh water and reduce the water requirement from the ground water. An action plan shall be submitted to Ministry's Regional Office at Bhopal within 3 months from date of issue of this letter. Efforts should be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.	**Complied.** Full water requirement is met from Sea after treatment in RO Plant and Mines sump water (Rain water stored). No ground water is used for Plant, TPP, Mines operations and domestic purpose. Rain water is being collected in mined out pits of captive limestone mine. A capacity of around 15.00 Lacs Cubic Meter has been created inside the mined out pits for collection of rain water and same is being used for the various activities of the Mines and partially in plant. Collected and accumulated rain water is being used for dust suppression and greenbelt development inside the mines and creation green corridor along the lease boundary. General slope of the mine is created towards the water collection areas to collect maximum rain water. Sumps are also desilted and maintained regularly. Rainwater collection plan for mines area has already been submitted to your good office on 23.10.2012 (within three months of EC).

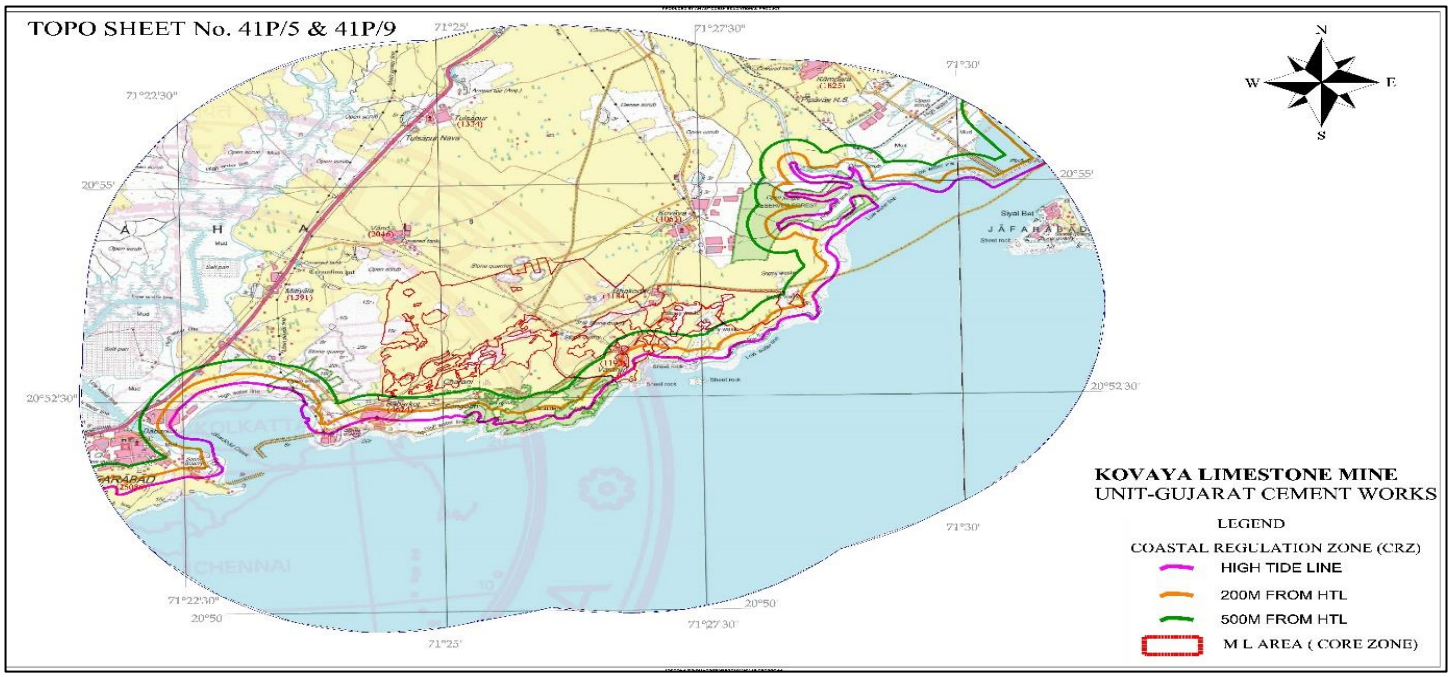
Rain Water Harvesting at Mines

xii).	Total water requirement for the proposed expansion shall not exceed 3,600 m^3/day. The water stored in the artificial reservoir made in the mine pit shall be used maximum. No effluent should be discharged from the mine to any water body or nearby river.	**Being Complied.** Total water consumption during **Oct-23 to Mar-24 was** 2325.81 **m^3/day.** Total water requirement from Sea after treatment in RO Plant and Mines (Rain water stored in Mines Pits). No effluent is being discharged from mines to any water body or nearby river. **Table-4A** **Month** / **RO water consumption (KL)** / **Mines reservoir consumption (KL)** / **Total water consumption (KL)** / **Water consumption KL/Day** Oct-23 / 40555 / 35857 / 76412 / 2464.90 Nov-23 / 40068 / 24145 / 64213 / 2140.43 Dec-23 / 68806 / 0 / 68806 / 2219.55 Jan-24 / 73165 / 0 / 73165 / 2360.16 Feb-24 / 66158 / 0 / 66,158 / 2281.31 Mar-24 / 76870 / 0 / 76870 / 2479.68 **Total** / **365622** / **60002** / **425624** / **2325.81**
xiii).	Top soil, if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and shall be used for reclamation and rehabilitation of mined out areas.	**Being Complied.** A thin layer of black cotton soil and windblown sand is discretely found throughout the deposit, hence there is no separate OB dump. The excavated soil is used directly for plantation along the mining lease boundary to create a barrier to arrest dust getting airborne. Also, some quantity is removed and stored separately and is being used for backfilling and plantation purposes.

Greenbelt development

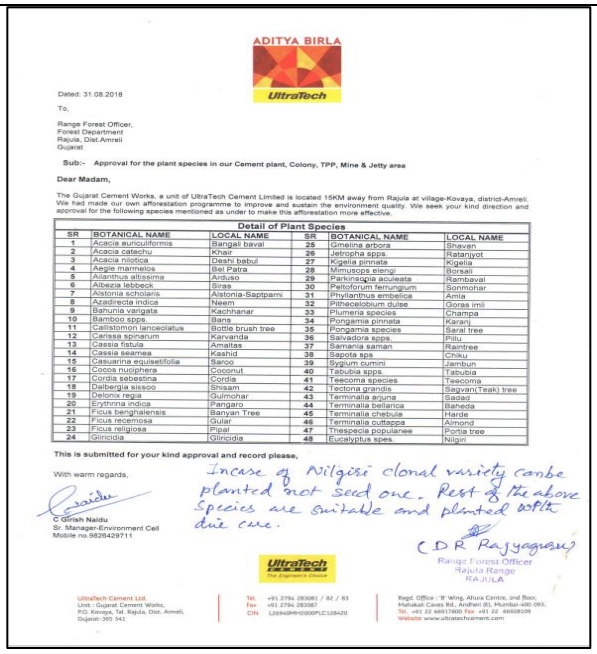
Top soil Storage

xiv).	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations. The company shall make the plan for protection of the natural water course passing through the plant and mine area premises and submit to the Ministry's Regional Office at Bhopal.	**Complied.** No any natural water course obstructed due to any mining and plant operations. Mine lease area superimposed over topo sheet is as under.



Topo sheet

xv).	The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The total height of the dumps shall not exceed 30m in three terraces of 10m each and the overall slope of the dump shall be maintained to 28º. The inter burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment & Forests and its Regional Office, Bhopal on six monthly basis.	**Being Complied.** There is no inter burden or other waste is generated in mineral benches hence there is no earmarked dumps. The top soil available is very low in quantity and it is excavated and dumped along the mining lease boundaries for plantation and create a barrier to arrest the dust prior to getting airborne. Plantation of local species is done as per the approved list of species by local RFO and it is being maintained by land sellers to whom contracts have been awarded to maintain and to improve survival.

		 ADITYA BIRLA UltraTech Dated: 31.08.2018 To, Range Forest Officer, Forest Department Rajula, Dist.Amreli Gujarat Sub:- Approval for the plant species in our Cement plant, Colony, TPP, Mine & Jetty area Dear Madam, The Gujarat Cement Works, a unit of UltraTech Cement Limited is located 15KM away from Rajula at village-Kovaya, district-Amreli. We had made our own afforestation programme to improve and sustain the environment quality. We seek your kind direction and approval for the following species mentioned as under to make this afforestation more effective. Detail of Plant Species SR / BOTANICAL NAME / LOCAL NAME / SR / BOTANICAL NAME / LOCAL NAME 1 Acacia auriculiformis Bangali baval / 25 Gmelina arbora Shavan 2 Acacia catechu Khair / 26 Jetropha spps. Ratanjyot 3 Acacia nilotica Deshi babul / 27 Kigelia pinnata Kigelia 4 Aegle marmelos Bel Patra / 28 Mimusops elengi Borsali 5 Ailanthus altasima Arduso / 29 Parkinsagia aculeata Rambaval 6 Albezia lebbeck Siras / 30 Peltoforum ferrungium Sonmohar 7 Alstonia scholaris Alstonia-Saptparni / 31 Phyllanthus embelica Amla 8 Azadirecta indica Neem / 32 Pitheceloblum dulse Goras imli 9 Bahunia varigata Kachhanar / 33 Plumeria species Champa 10 Bamboo spps. Bans / 34 Pongamia pinnata Karanj 11 Callistomon lanceolatus Bottle brush tree / 35 Pongamia species Saral tree 12 Carissa spinarum Karvanda / 36 Salvadora spps. Pilu 13 Cassia fistula Amaltas / 37 Samania saman Raintree 14 Cassia seamea Kashid / 38 Sapota sps Chiku 15 Casuarina equisetifolia Saroo / 39 Sygium cumini Jambun 16 Cocos nucifhera Coconut / 40 Tabubia spps. Tabubia 17 Cordia sebestina Cordia / 41 Teecoma species Teecoma 18 Dalbergia sissoo Shisam / 42 Tectona grandis Sagvan(Teak) tree 19 Delonix regia Gulmohar / 43 Terminalia arjuna Sadad 20 Erythrina indica Pangaro / 44 Terminalia bellarica Baheda 21 Ficus benghalensis Banyan Tree / 45 Terminalia chebula Harde 22 Ficus recemosa Gular / 46 Terminalia cuttappa Almond 23 Ficus religiosa Pipal / 47 Thespecia populanae Porta tree 24 Gliricidia Gliricidia / 48 Eucalyptus spes. Nilgiri This is submitted for your kind approval and record please, With warm regards, C Girish Naidu Sr. Manager-Environment Cell Mobile no.9826429711 Incase of Nilgiri clonal variety can be planted not seed one. Rest of the above species are suitable and planted with due care. (D R. Rajyaguru) Range Forest Officer Rajula Range RAJULA UltraTech UltraTech Cement Ltd. Unit : Gujarat Cement Works, P.O. Kovaya, Tal. Rajula, Dist. Amreli, Gujarat- 365 541 Tel. +91 2794 283081 / 82 / 83 Fax +91 2794 283087 CIN L26940MH2000PLC128420 Regd. Office : 'B' Wing, Ahura Centre, 2nd floor, Mahakali Caves Rd., Andheri (E), Mumbai-400 093. Tel. +91 22 66917800 Fax +91 22 66928100 Website www.ultratechcement.com Permission letter of RFO
xvi).	The void left unfilled shall be converted into water body. The higher benches of excavated void/mining pit shall be terraced and plantation to be done to stabilize the slopes. The slope of higher benches shall be made gentler for easy accessibility by local people to use the water body. Peripheral fencing shall be carried out along the excavated area.	**Being Complied.** Presently, Mines under operation and no mining pit is abandoned. The mining is not reached ultimate pit limit as per the IBM approved mining plan. In conceptual plan it is already mentioned that after exhaust of mineral resources, the mining pits will be converted to water reservoir & ultimate benches will be stabilized with plantation. The access to water reservoir for the local villagers will be provided after mine closure as per the procedures of IBM. Compound wall & fencing is being constructed in phased manner along the active mining lease boundary & mining pits to restrict unauthorized entry of human and cattle's. Till date about 7.5 km compound wall & fencing constructed along the lease boundary.
	  **Peripheral Fencing and Compound wall around the active mine zone/pit**	
xvii).	Catch drains and siltation ponds of appropriate size shall be constructed for the working pit, inter burden and mineral dumps to arrest flow of silt and sediment. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted, particularly after monsoon, and maintained properly.	**Being Complied.** No inter burden or overburden dumps exist in the mines. Garland drains are constructed around the mine pit and connected to mines sump, which acts as sedimentation pit. The drains are regularly desilted, particularly after monsoon and maintained properly. The rain water collected utilized for afforestation, dust suppression etc.

xviii).	Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and inter burden dumps and sump capacity shall be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.	**Being Complied.** Garland drains are constructed around the mines pit and water diverted to the mines sumps, with adequate sump capacity. The general slope of the mine is created towards the sump to collect maximum rain water. Sumps are also desilted and maintained regularly. No inter burden is generated due to the mining activity and no inter burden dumps available in mines.
	 **Photographs of Garland drains of Kovaya Lime Stone Mines**	
xix).	Dimension of the retaining wall at the toe of inter burden dumps and inter burden benches within the mine to check run-off and siltation shall be based on the rain fall data.	**Complied.** There is of no inter-burden or overburden dumps exist in the mines. Hence, this condition for construction of retaining wall may not require at present.
xx).	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers at suitable locations by the project proponent in and around project area in consultation with Regional Director, Central Ground Water Board. The frequency of monitoring shall be four times a year- Pre-monsoon (April/May), Monsoon (August), Post-Monsoon (November), and Winter (January). Data thus collected shall be sent at regular intervals to Ministry of Environment and Forests and its Regional Office at Bhopal, Central Ground Water Authority and Central Ground Water Board.	**Being Complied.** Complied with. A network of six bore wells and three wells have been established for recording the changing level of ground water in and around project area. The reading of the Piezometers is recorded 4 times a year namely, pre-monsoon (April/May), monsoon (August), post-monsoon (November), and winter (January). Monitoring have done by a NABL accredited third party lab, its reports are given below in **Table-5** and its report is being submitted to Ministry of Environment and Forests and its Regional Office, Central Ground Water Authority and Central Ground Water Board on six monthly basis.

Snaps of Piezometer well

Royal
Environment Auditing & Consultancy Service
Plot No. 19 & 20, B/s. The North Star Nest School, Mascom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 ● E-mail : royalenvironment@live.com ● admin@royalconsultancy.com

Ref. NO.: 2041112023-24 Date : 30/11/2023

Water Analysis Report of Observation Wells / Piezometers for the Month of November : 2023

Name of Company : Kovaya Limestone Mine (UltraTech Cement Limited)
Unit : Gujarat Cement Works
Village : Kovaya, Taluka :Rajula
Dist. :Amreli

Date of Sampling : 22/11/2023

Sample NO.	PZ. ID	Location	Village	GPS Reading	Total Depth	Water Level	Taste	Electric Conductivity @25 °C	Turbidity	pH	TDS	Total Hardness	Calcium (as CaCO3)	Calcium (as Ca)	Magnesium (as Mg)	Chloride (as Cl)	Sulfate (as SO4)	P-Alkalinity	T-Alkalinity	Sodium (as Na)	Potassium (as K)	Phosphate (as PO4)	Fluoride (as F)	Iron (as Fe)	Nitrate Nitrogen (NO3)	Carbonate (as CO3)	Bi-Carbonate (as CO3)	Sodium Adsorption Ratio (SAR)	Soluble Sodium Percentage (SSP)	Residual Sodium Carbonate (RSC)	Kelly's Soil Ratio (KSR)	Pure, Salt Index (PSI)	Cl - (Cl- + HCO3-)
					meter	meter	--	µs/cm	NTU	--	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	--	--	--	--	--	--
GCW-4	PZ-1	Mines Complex	Kovaya	N 20 55' 02.1" E 71 26' 27.3"	19.10	9.12	Agreeable	798.0	5	7.21	507.2	255	77.24	33.2	41.0	64.8	95.2	0	165	220	2	0.07	0.6	1.1	25.2	0	165	80.8	74.8	90.8	2.953	6.1	0.28
GCW-7	PZ-2	W. Sump-1	Kovaya	N 20 53' 51.0" E 71 26' 31.0"	11.00	10.20	Agreeable	857.3	3	7.44	344.1	257	112.00	43.1	46.0	150.1	77.6	0	190	200	1.1	0.06	0.3	0.1	7.4	0	190	42.4	65.2	90.0	2.244	-134.2	0.53
GCW-5	PZ-3	Survey No. 48	Varahiwamp	N 20 52' 65.2" E 71 26' 12.4"	25.00	11.40	Agreeable	984.0	4	7.35	527.2	280	130.00	47.2	39.5	210.5	50.1	0	210	180	1.3	0.05	0.4	0.79	9.7	0	210	28.7	57.5	223.4	2.070	-221.1	0.58
GCW-9	PZ-4	Survey No. 191	Bolamor	N 20 53' 22.2" E 71 26' 57.4"	54.00	27.30	Agreeable	740.0	4	7.45	377.1	280	97.50	43.5	42.9	63.6	57.2	0	135	160	4.2	0.07	0.6	1.12	23.4	0	135	34.4	64.9	48.8	1.853	-101.9	0.45
GCW-10	PZ-5	Survey No. 291	Bolamor	N 20 53' 09.7" E 71 25' 33.9"	32.00	22.30	Agreeable	635.0	5	7.21	345.2	254	98.00	37.2	36.1	113.8	85.8	0	150	155	3.9	0.07	0.6	0.80	21.6	0	150	25.5	61.0	73.7	2.030	-101.1	1.03
GCW-6	PZ-6	Co-oprative complex	Kovaya	N 20 54' 12.9" E 71 27' 39.3"	13.60	2.10	Agreeable	1090.0	3	7.23	514.2	328	155.39	63.6	41.1	138.6	70.1	0	260	215	4.4	0.04	0.2	1.15	16.7	0	260	53.7	72.4	160.3	2.626	-169.7	0.45

Royal Environment Auditing & Consultancy Service

Analyst

Ground water quality report by NABL accredited lab.

Table-5

BW. No.	Surface level/Reduced Level (m)	Depth of the BW (m)	GPS Reading	Village/Location
PZ-1	9.12	19.1	N 20 55 02.1, E 71 26 27.3	Kovaya (Mines Office)
PZ-2	10.2	17	N 20 53 51.6, E 71 26 31.0	Kovaya (Near Sump-1)
PZ-3	11.4	26	N 20 52 49.2, E 71 26 12.4	Varhaswarup (Sy. No-40)
PZ-4	27.3	54	N 20 53 22.2, E 71 24 57.4	Babarkot (Sy. No-161)
PZ-5	22.2	33	N 20 53 09.7, E 71 25 32.9	Babarkot (Sy. No-291)
PZ-6	3.1	13.6	N 20 54 12.9, E 71 27 30.3	Kovaya (Co-operative Complex)

Wells	Location	Surface level/ Reduced Level (m)	Depth of the Well (m)	GPS Reading
W-1	Sy. No. 285 – Babarkot	13.2	21	N 20 52 46.6, E 71 24 50.6
W-3	Bhakodar Temple	11.54	15.75	N 20 53 45.2, E 71 27 11.2
W-5	Anand Vatika, Vandh	6.9	14.2	N 20 54 04.5, E 71 25 50.5

PIEZOMETERS

Post-Monsoon Nov'-2023

Parameters	UoM	PZ-1	PZ-2	PZ-3	PZ-4	PZ-5	PZ-6
Taste	mg/l	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
EC	µmhos/cm	798	987	964	740	635	1000
Turbidity	NTU	5	5	4	4	5	3
pH	-	7.21	7.44	7.35	7.45	7.31	7.23
Total Dissolves Solid (TDS)	mg/l	337.2	344.1	527.2	377.1	345.2	514.2
Total Hardness	mg/l	255	297	280	285	254	328
Chloride (as Cl)	mg/l	64.6	150.1	210.3	60.6	153.8	130.6
Iron (as Fe)	mg/l	1.1	0.1	0.79	1.12	0.89	1.15
Nitrate Nitrogen (as NO_3)	mg/l	25.2	7.4	9.7	23.4	21.8	16.7

PIEZOMETERS

Post-Monsoon Jan'-2024

Parameters	UoM	PZ-1	PZ-2	PZ-3	PZ-4	PZ-5	PZ-6
Taste	mg/l	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
EC	µmhos/cm	816	972	951	733	621	989.3
Turbidity	NTU	6	6	5	5	4	4
pH	-	7.18	7.34	7.3	7.41	7.28	7.19
Total Dissolves Solid (TDS)	mg/l	332.8	351.1	518.7	365.4	339.2	502.7
Total Hardness	mg/l	248	286	270	279	251	320
Chloride (as Cl)	mg/l	61.3	145.3	206.8	57.4	151.6	128.6
Iron (as Fe)	mg/l	1	1.1	0.82	0.11	0.78	1.14
Nitrate Nitrogen (as NO_3)	mg/l	24.6	7.1	9.5	22.5	20.8	14.3

Wells

Post-Monsoon Nov'-2023

Parameters	UoM	W-1	W-3	W-5
Taste	mg/l	Agreeable	Agreeable	Agreeable
EC	µmhos/ cm	2160	1975	1720
Turbidity	NTU	5	5	4
pH	-	7.35	7.23	7.24
Total Dissolves Solid (TDS)	mg/l	49.3	865.2	745.3
Total Hardness	mg/l	440	515	455
Chloride (as Cl)	mg/l	329.7	288.3	255.3
Iron (as Fe)	mg/l	0.5	0.6	0.4
Nitrate Nitrogen (as NO3)	mg/l	23.5	23.2	19.4

Wells

Post-Monsoon Jan'-2024

Parameters	UoM	W-1	W-3	W-5
Taste	mg/l	Agreeable	Agreeable	Agreeable
EC	µmhos/ cm	2034	1825	1627

Turbidity	NTU	6	5	4
pH	-	7.3	7.12	7.24
Total Dissolves Solid (TDS)	mg/l	46.2	811.5	723.5
Total Hardness	mg/l	429	501	432
Chloride (as Cl)	mg/l	263.9	263.9	248.8
Iron (as Fe)	mg/l	0.6	0.5	0.4
Nitrate Nitrogen (as NO3)	mg/l	22.7	21.3	20.6

xxi).	Wet drilling sequential and controlled blasting method and provision for the control air emissions during blasting using dust collectors etc. shall be used. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders shall be implemented.	**Complied.** The permission for blasting was obtained from DGMS vide letter no. UR/3993, dated 17.08.2007. Drilling is operated with automatic water injection system. Blasting is carried out during day time only in controlled way by using a combination of high strength & low strength explosives with Non-electric initiation to minimize blast induced vibration, noise and fly rocks. Charging and firing patterns are prepared by skilled blasting engineers and verified by blasting manager. Vibration is monitored by seismograph for each and every blast and the parameters are within specified limits.

Blast Vibration Monitoring

Wet drilling

xxii).	Bench height, width and slope for individual bench shall be properly assessed and implemented. Adequate measures should be adopted to stabilize the slope before abandonment. The fencing around the reservoir should be provided to prevent accidents.	**Being Complied.** Bench height, width and slope is maintained as per the guidelines of DGMS. Slope stability studies are carried out by CIMFR and recommendations are implemented. Slope stabilization study for Kovaya Limestone Mine has been done. The study makes the following recommendations – 1. Bench heights up to 15 m or pits with two benches are stable and do not require any stabilization measures. 2. The tensile stresses that have been identified in the analysis are low as compared to the tensile strength of the rocks; however, the ultimate pit slope angle will have to be maintained below 40 degrees in case of two or more benches and heights greater than 15 m. 3. Pit slopes higher than 15 m should be monitored for movement. In some portion of the mine lease, we have reached the ultimate depth and we have planted trees at the bottom part of pit. A large number of small shrubs, creepers and climbers are naturally grown, thereby stabilizing the slope. Fencing is done around the reservoir to prevent any incidence. Photographs of the same is as under,



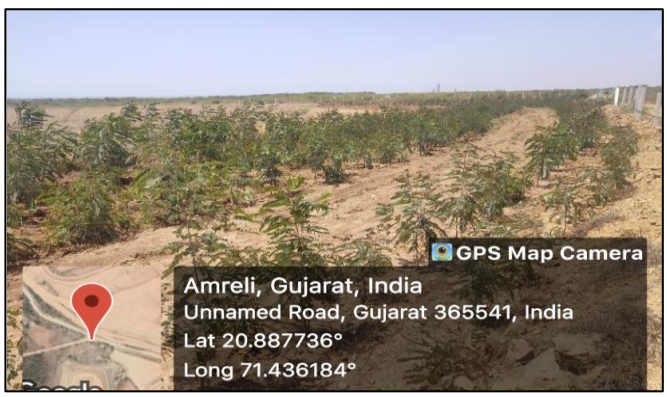
Slope Stabilization Measures | Fencing around mines sump

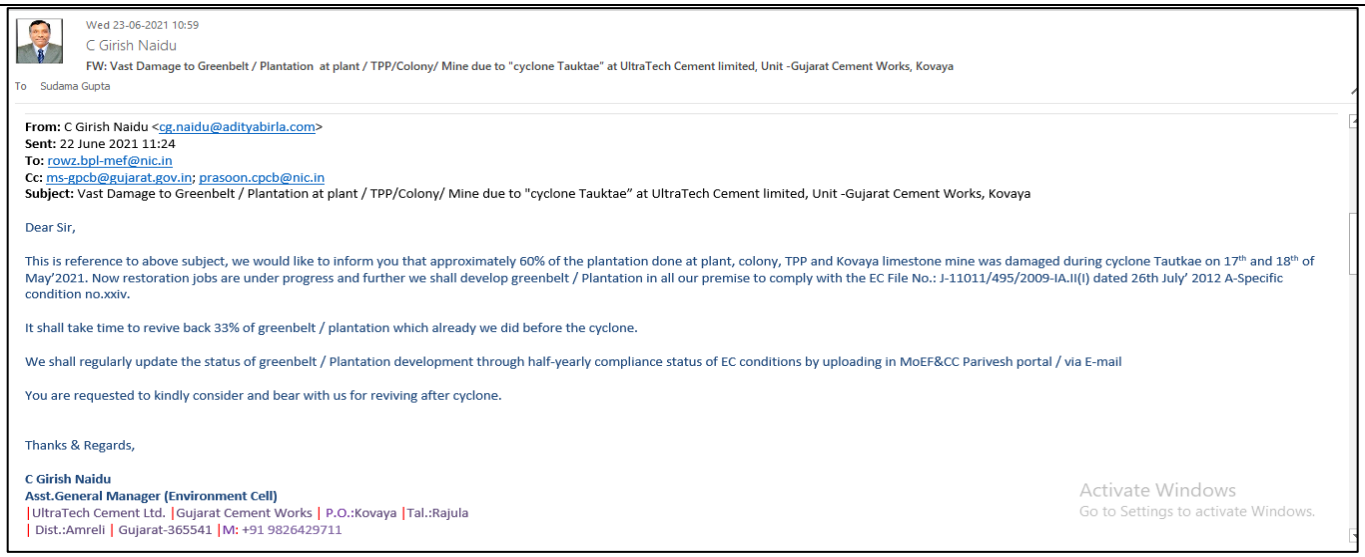
xxiii).	Action plan for the mining, management of over burden (removal, storage, disposal etc.), reclamation of the mined out area and mine closure should be submitted to the Ministry and its Regional Office at Bhopal.	**Being Complied.** The mining, management of overburden (removal, storage, disposal etc.), reclamation of the mined out area is being done as per the approved Mining plan. Final Mine Closure Plan (FMCP) will be prepared at the end of the lease period after getting approval from IBM, the copy of approved FMCP will be submitted to IRO MoEF&CC.
xxiv).	As proposed, green belt shall be developed in 33% of the plant and mine area as per the CPCB guidelines in consultation with DFO.	**Being Complied.** Tauktae cyclone, enormous damaged Plantation at Gujarat cement Works, which have already communicated to Ministry's Regional office via email, screenshot attached for your reference please. After cyclone, a third party survey was conducted and on the basis of their observation and recommendation Action Plan for Plantation has been prepared and submitted to MoEFCC vide our letter no. 48/UTCL/GCW/ENV/MoEF/22 dated:12.01.2022. Plantation was done during 2023-24 was as per the table given below:

S.No.	Location	Total No. of Plantation
1	Mines	6000
2	TPP	159
3	Plant & Colony	300
	Total	**6459**

Table

Location	Time Period	Total Trees Planted	Total Tree Survival (before Taukate)	Total Tree Survival (after Taukate) 31.10.2021	Tree planted in 2023-24	Tree Survival in 2023-24	Total Tree Survival till (Mar-2024)	Remarks
Mines Area	**1996-2024**	**295237**	**243998**	**123625**	**6000**	**5362**	**134466**	**Plantation loss due to cyclone Tauktae from 17.05.2021 After Assessment by 3rd party the plantation report submission dated 31.10.2021**
TPP	**2009-2024**	**28503**	**27201**	**21016**	**159**	**143**	**23115**	
Cement plant & Colony area	**1996-2024**	**30904**	**27705**	**20531**	**300**	**280**	**23362**	





Wed 23-06-2021 10:59
C Girish Naidu
FW: Vast Damage to Greenbelt / Plantation at plant / TPP/Colony/ Mine due to "cyclone Tauktae" at UltraTech Cement limited, Unit -Gujarat Cement Works, Kovaya

To Sudama Gupta

From: C Girish Naidu <cg.naidu@adityabirla.com>
Sent: 22 June 2021 11:24
To: rowz.bpl-mef@nic.in
Cc: ms-gpcb@gujarat.gov.in; prasoon.cpcb@nic.in
Subject: Vast Damage to Greenbelt / Plantation at plant / TPP/Colony/ Mine due to "cyclone Tauktae" at UltraTech Cement limited, Unit -Gujarat Cement Works, Kovaya

Dear Sir,

This is reference to above subject, we would like to inform you that approximately 60% of the plantation done at plant, colony, TPP and Kovaya limestone mine was damaged during cyclone Tautkae on 17th and 18th of May'2021. Now restoration jobs are under progress and further we shall develop greenbelt / Plantation in all our premise to comply with the EC File No.: J-11011/495/2009-IA.II(I) dated 26th July' 2012 A-Specific condition no.xxiv.

It shall take time to revive back 33% of greenbelt / plantation which already we did before the cyclone.

We shall regularly update the status of greenbelt / Plantation development through half-yearly compliance status of EC conditions by uploading in MoEF&CC Parivesh portal / via E-mail

You are requested to kindly consider and bear with us for reviving after cyclone.

Thanks & Regards,

C Girish Naidu
Asst.General Manager (Environment Cell)
|UltraTech Cement Ltd. |Gujarat Cement Works | P.O.:Kovaya |Tal.:Rajula
| Dist.:Amreli | Gujarat-365541 |M: +91 9826429711

Activate Windows
Go to Settings to activate Windows.

Screen shot of the E-mail shared to the Ministry Regional office after Tautkae cyclone

ADITYA BIRLA
UltraTech

48/UTCL/GCW/ENV/MoEF/22 Date: 12.01.2022

To,
The Deputy Director (S)/Scientist- 'C'
IRO Gandhinagar, MoEFCC
Aranya Bhawan, Near CH-3 Circle
Sector-10A, Gandhinagar, Gujarat-382010

Sub: Submission of the information sought on the six monthly environment compliance report submitted for the period of April to September 2021 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, Village-Kovaya.

Ref: Your good office letter no.: **J-11/32-2021-IROGNR dt. 24.12.2021.**

Respected sir,

This is context to above subject & referred letter, we would like to submit herewith point wise details of the information sought on the six monthly environment compliance report submitted for the period of April to September 2021 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, Village-Kovaya.

Submitted for your perusal please.

Thanking you,

For, M/s UltraTech Cement Ltd.,
Unit: Gujarat Cement Works,

Anil Shukla
Sr. Vice President (Technical)

Encl: 1. Point wise details of the information required by RO Office, MoEFCC, Gandhinagar vide their letter no. J-11/32-2021-IROGNR dt. 24.12.2021 along with **Annexure-1 to 19.**
2. Data Sheet

UltraTech Cement Ltd.
Unit : Gujarat Cement Works,
P.O. Kovaya, Tal. Rajula, Dist. Amreli,
Gujarat-365 541

Tel. +91 2794 283081 / 82 / 83
Fax +91 2794 283087
CIN L26940MH2000PLC128420

Regd. Office : 'B' Wing, Ahura Centre, 2nd floor,
Mahakali Caves Rd., Andheri (E), Mumbai-400 093.
Tel. +91 22 66917800 Fax +91 22 66928109
Website www.ultratechcement.com

Letter Regarding Action plan for Plantation

xxv).	All the recommendations of the Corporate Responsibility or Environmental Protection (CREP) for the cement plants shall be strictly followed.	**Complied.** We are complying with all the applicable recommendations mentioned in charter of corporate responsibility for Environmental Protection specified for Cement Plants.

Corporate Responsibility or Environmental Protection

Present status of Compliance report of cement industries
Name of industry: Ultratech cement Limited
Village : Kovaya Ta: Rajula, Dist:Amreli
Clinker Production capacity: 5.7 million ton per annum

Sr. No.	Charter points	Status regarding Compliance
1	Cement plants which are not complying with notified standards, shall do the following 1- Augmentation of existing Air Pollution devices. 2- Replacement of existing Air pollution control devices.	The stacks emission level is maintained below limits prescribed as 30 mg/Nm3 for PM , 100 mg/Nm3 for SO2 and 1000 mg/Nm3 for NOx by GPCB/MoEFCC.
2	Cement plants located in critically polluted or urban areas (including 5 km distance out side urban boundary) will meet 100 mg/NM3 limit of particulate matter.	The plant is neither located in critically polluted area nor in urban area.
3	The new cement kilns to be accorded NOC/ Env. Clearance w.e.f 01.04.2004 will meet the limit of 50 mg/NM3 for particulate matter emissions.	Bag house is provided at raw mill & kiln stack to control stack emission. The stack emission level is maintained below 30 mg/Nm3 for PM as limits prescribed by GPCB/MoEFCC.
4	CPCB will evolve load base standards	Necessary study is being carried out & measures are being taken to comply with the 10th May'2016 and 25th Aug'2014 MOEF & CC Notification for Cement plant with co processing with respect to Particulate Matter, Sulphur Dioxide and Nitrogen Dioxide standards. Low NOx burners are installed to minimise NOx emission
5	CPCB and NCBM will evolve SO2 and Nox emission standards	
6	The cement industries will control fugitive emissions from all the raw materials and products storage and transfer points by Dec 2003. However the feasibility for the control of emissions from lime stone and coal storage areas will be decided by National	Fugitive dust emission controlled by providing closed storage silo for clinker, Fly ash, raw materials (additives) & gypsum. Closed conveyor belts and dust collectors provided at all the raw material transfer points and raw material unloading points. Water sprays arrangements at raw material storage area like coal . The pneumatic system is provided for fly ash unloading .
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003	Pet coke is being used in cement kiln as feedstock and natural coal (fossil fuels) also as per availability and requirement.
8	After performance evaluation of various types of continuous monitoring equipment and feed back from the industries and equipment manufacturers, NTF will decide feasibility unit operations/ sections for installation of continuous monitoring equipment.	Opacity monitors installed at all the major stacks of cement plant & power plant for continuous monitoring of particulate matter (PM). 02 Nos. Continuous emission monitoring system installed for monitoring of flue gases i.e. SO2 & NOx in Line-1 Raw Mill & Kiln bag house stack and Line-2 Raw Mill & Kiln bag house stack.
9	The Tripping in kiln ESP to be minimized by July 2003 as per the recommendation of NTF.	Not applicable as GCW installed RABH in Kiln /rawmill
10	Industries will submit the target date to enhance utilization of waste material by April-2003	Waste material like Fly ash and chemical gypsum also being regularly used in cement manufacturing.
11	NCBM will carry out a study on hazardous waste utilization in cement kiln by Dec 2003	GCW unit is regularly co-processing hazardous/non-hazardous waste in cement kiln and Raw material i.e. Iron Sludge after obtaining CC&A from GPCB .The necessary infrastructures facility has been provided .
12	Cement industries will carry out feasibility study and submit target dated to CPCB for co-generation of power by July 2003	Waste heat from clinker cooler is being utilized for generation of electricity from 15MW WHRS and the waste heat from cyclone preheater is used for drying material in raw mill and coal mill.

xxvi). The company shall adopt well laid down Corporate Environment Policy and identified and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with environmental clearance, environmental laws and regulations.

Complied.

A corporate Environment Policy with designated responsible officers at all level of its hierarchy adherence to the policy and compliance with environmental clearance, environmental laws and regulations for monitoring all the parameters /indicators affecting the environment.

The company has also formed an Environment Cell and has designated responsible officers at all levels to ensure adherence to the policy and compliance with environmental clearance, environmental laws and regulations.

Position	Designation	Qualification
Professional	Officer/Sr. Officer	M.Sc.
Section Head	Manager/Sr. Manager	M.Sc/M.Tech
Department Head	AGM/DGM	M.Sc./M.Tech./ Ph.D.
Head Environment	Joint President / Executive President	M.Sc./M.Tech./ Ph.D.

ADITYA BIRLA
UltraTech

Corporate Environment Policy

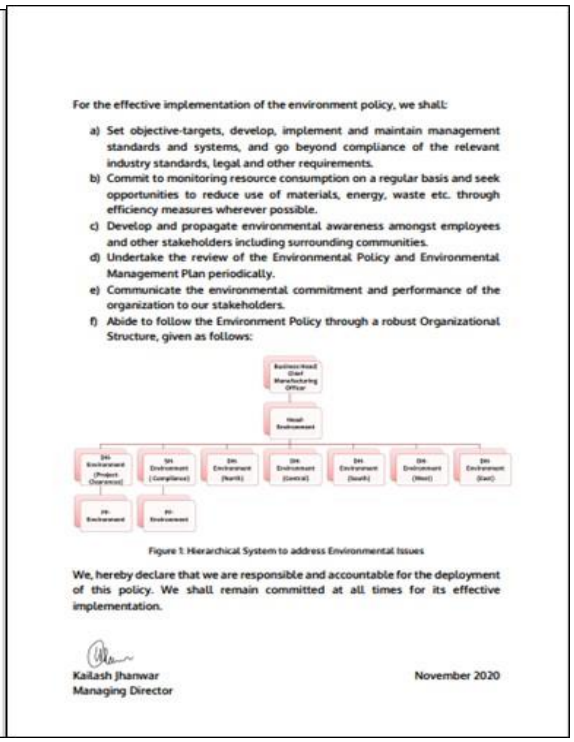
UltraTech Cement Ltd. has always been conscious about the impact of our activities in spheres of employee welfare measures, social and community initiatives and environment sustainability. This environmental policy represents our general position on environmental issues, the policies and practices we apply in conducting our business. We make continuous efforts to be compliant with all applicable local environmental laws and regulations.

We will proactively commit towards:

1. Conducting all operations in accordance to new and recent environmental and statutory laws and regulations.
2. Efficient and sustainable extraction and utilization of natural resources.
3. Adoption and application of state of the art technology to minimize environmental impacts of our operation.
4. Waste minimization through focus on end-of-life management by incorporating waste to energy/fuel systems through safe and approved methods and ensuring to become Plastic Positive.
5. Influence our suppliers to adopt practices for resource conservation and waste reduction.
6. Limiting the dependency on coal-based power by increasing the share of renewable energy and Waste Heat Recover Systems (WHRS).
7. Make continuous efforts to minimize fresh water consumption by increased use of harvested/ recycled water in our operations across all UTCL units and contributing towards becoming Water Positive.
8. Implement and continually improve the Environmental Management System across all our operations.
9. Monitor and report the environmental performance of all our units through regular inspections and audits for corrective actions and continual improvement.
10. Reporting of compliances and non-compliances to the concerned regulatory authorities and other stakeholders with measures to address non-compliances on priority

Kailash Jhanwar
Managing Director

November 2020



For the effective implementation of the environment policy, we shall:

a) Set objective-targets, develop, implement and maintain management standards and systems, and go beyond compliance of the relevant industry standards, legal and other requirements.
b) Commit to monitoring resource consumption on a regular basis and seek opportunities to reduce use of materials, energy, waste etc. through efficiency measures wherever possible.
c) Develop and propagate environmental awareness amongst employees and other stakeholders including surrounding communities.
d) Undertake the review of the Environmental Policy and Environmental Management Plan periodically.
e) Communicate the environmental commitment and performance of the organization to our stakeholders.
f) Abide to follow the Environment Policy through a robust Organizational Structure, given as follows:

Figure 1: Hierarchical System to address Environmental Issues

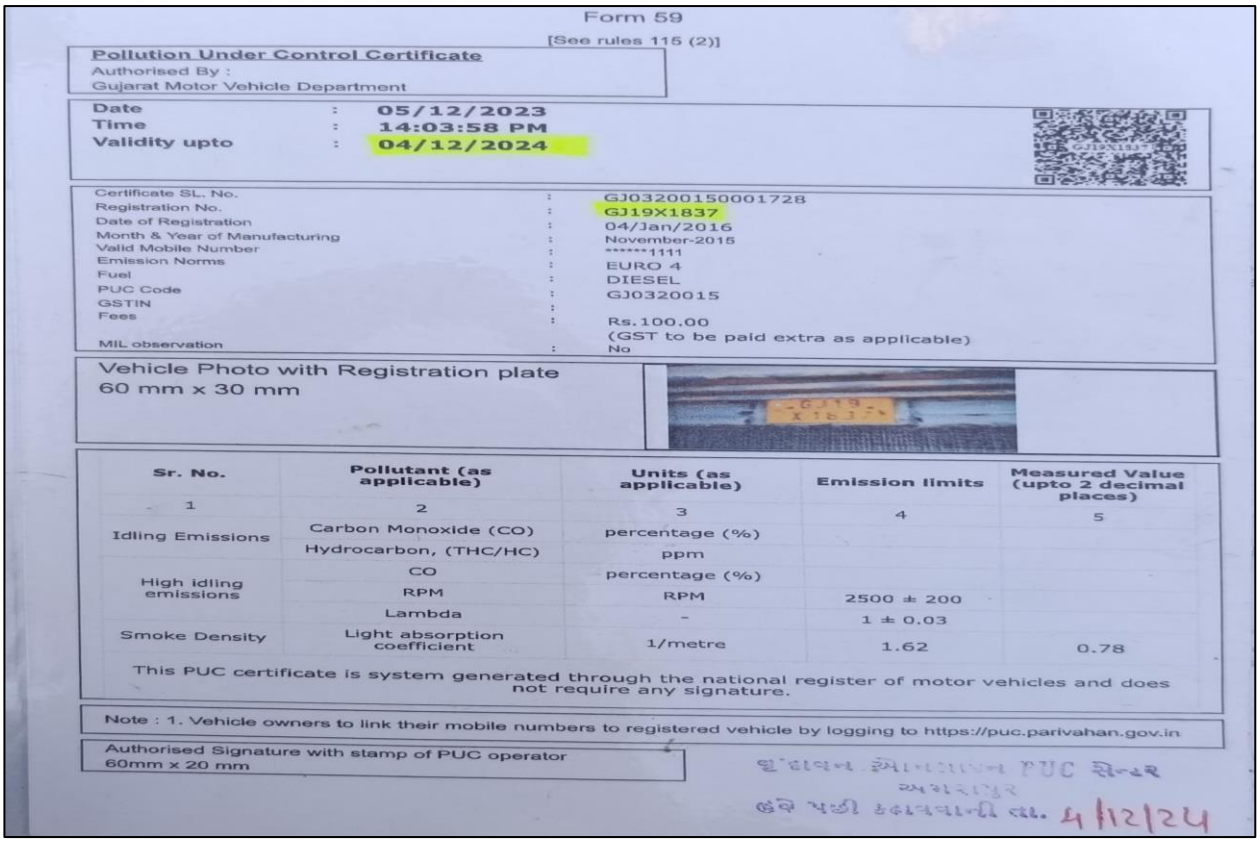
We, hereby declare that we are responsible and accountable for the deployment of this policy. We shall remain committed at all times for its effective implementation.

Kailash Jhanwar
Managing Director

November 2020

Organogram of Environment Cell as per Corporate Environment Policy

xxvii).	Vehicular emissions shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral.	**Being Complied.** Vehicular emissions are regularly monitored and kept under control. All the vehicles have Pollution Under Control (PUC) certificate and sample is as under. Maintenance yard established within the premises of mining lease for regular/timely maintenance of HEMM vehicles. Various sections such as oil storage, washing area, tool section, welding section, etc. are functional on daily basis. Photographs for the same is as under.



Form 59

[See rules 115 (2)]

Pollution Under Control Certificate

Authorised By :
Gujarat Motor Vehicle Department

Date	:	05/12/2023
Time	:	14:03:58 PM
Validity upto	:	04/12/2024

Certificate SL. No.	:	GJ03200150001728
Registration No.	:	GJ19X1837
Date of Registration	:	04/Jan/2016
Month & Year of Manufacturing	:	November-2015
Valid Mobile Number	:	******1111
Emission Norms	:	EURO 4
Fuel	:	DIESEL
PUC Code	:	GJ0320015
GSTIN	:	
Fees	:	Rs.100.00 (GST to be paid extra as applicable)
MIL observation	:	No

Vehicle Photo with Registration plate
60 mm x 30 mm

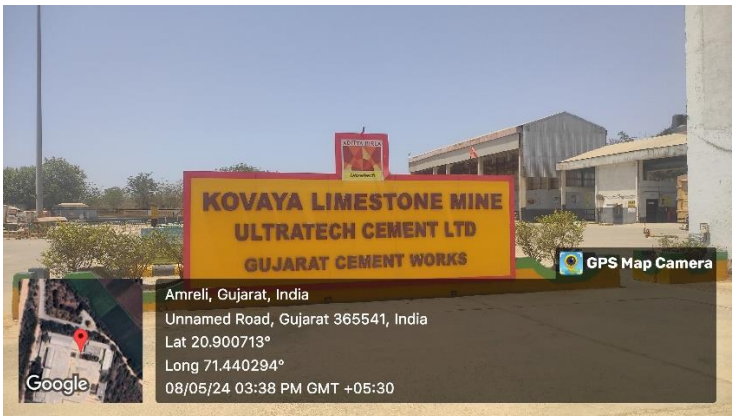
Sr. No.	Pollutant (as applicable)	Units (as applicable)	Emission limits	Measured Value (upto 2 decimal places)
1	2	3	4	5
Idling Emissions	Carbon Monoxide (CO)	percentage (%)		
	Hydrocarbon, (THC/HC)	ppm		
High idling emissions	CO	percentage (%)		
	RPM	RPM	2500 ± 200	
	Lambda	-	1 ± 0.03	
Smoke Density	Light absorption coefficient	1/metre	1.62	0.78

This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.

Note : 1. Vehicle owners to link their mobile numbers to registered vehicle by logging to https://puc.parivahan.gov.in

Authorised Signature with stamp of PUC operator
60mm x 20 mm

PUC Certificate



HEMM Maintenance Yard

xxviii).	Risk and Disaster Management Plan along with the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhopal, SPCB and CPCB within 3 months of issue of environment clearance letter.	**Complied.** Risk and Disaster Management Plan along with the mitigation measures was submitted to IRO MoEF&CC, GPCB and CPCB on 23.10.2012.
xxix).	Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure, for approval.	**Agreed.** Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure, for approval.
xxx).	The company shall Complied with the commitments made during public hearing held on 7th December, 2011 and a separate budget for implementing the same shall be allocated and information submitted to the Ministry's Regional Office at Bhopal.	**Complied.** The commitment made during public hearing on 07.12.2011 is compiled and status report is submitted along with EC compliance report (Oct-18 to Mar-19) submitted vide our letter no. 81/UTCL/GCW/Plant EC Comp/2018-19/2 dated 15.05.2019 and along with again submitted to RO, MoEF & CC Bhopal along with our reply against certified compliance point vide our letter no. 08/UTCL/GCW/ENV/MoEF/21 dated 08.05.2021 through E-mail dated 10.05.2021.
xxxi).	At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing Issues and item-wise details along with time bound shall be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner.	**Being Complied.** The focus area is education, health, livelihood, infrastructure development and social issues. The expenditure on CSR activities during the period **Apr'23 to Mar'24** is Rs. **155.83 lacs.**

Sr.No	Focus area	Amount spent during **Apr'23 to Mar'24** in Lacs
1	Education	37.62
2	Health	20.48
3	Sustainable Livelihood	30.02
4	Infrastructure Development	36.82
5	Social empowerment & Welfare	2.27
6	Other	28.62
Total in Lacs		**155.83**

World Environment Day Celebration under CSR. Total Participants - 102

Sewing training program for women and youth. Beneficiaries - 36

Computer Training Classes. Beneficiaries - 33

Construction of Cement Concrete Road at Vandh village. Beneficiaries - 2500

xxxii).	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	**Complied.** The same has been complied during construction phase. The temporary structures had been removed after the completion of project.
xxxiii).	The Company shall submit within three months their policy towards Corporate Environment Responsibility which should inter-alia address (i) Standard operating process/ procedure to being into focus any infringement/deviation/violation of environmental or forest norms/conditions, (ii)	**Complied.** We have a corporate Environment Policy with designated responsible officers at all level of its hierarchy adhering to the policy and compliance with environmental clearance, environmental laws and regulations for monitoring all the parameters /indicators affecting the environment.

	Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.	The company has also formed an Environment Cell and has designated responsible officers at all levels to ensure adherence to the policy and compliance with environmental clearance, environmental laws and regulations.
B.	**GENERAL CONDITIONS:**	
i).	The project authority shall adhere to the stipulations made by Gujarat Pollution Control Board (GPCB) and State Government.	**Being Complied.** All desired stipulations made by Gujarat Pollution Control Board (GPCB) and State Government are adhered by the unit. Earlier, Self-Compliance report of Consolidated Consent and Authorization (CC&A) for Kovaya Limestone Mine, Cement plant & Thermal Power Plant for the period **Apr-22 to Mar-23** have been submitted at GPCB via E-mail subsequently by dated **12.05.2023, 06.05.2023 & 19.05.2023.**
ii).	No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.	**Noted and agreed.**
iii).	At least four ambient air quality monitoring stations shall be established in the down wind direction as well as where maximum ground level concentration of PM_{10}, SO_2 and NO_X are anticipated in consultation with the SPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office and SPCB / CPCB once in six months.	**Complied.** Total six numbers of ambient air quality monitoring stations had already been established in and around project area after consultation with GPCB. Data on AAQMS is already provided in above specific condition no. iv. Data of ambient air quality and stack emissions are regularly submitted to MoEF&CC and its Regional Office, SPCB & CPCB once in six monthly basis. 
iv).	Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.	**Being Complied.** The cement plant makes use of the dry process technology. During the manufacturing process, no waste water is generated. The water used for cooling and dust suppression purpose only. Waste water generated from TPP operation is treated in ETP and the treated water is utilized 100% for dust suppression / plantation purpose. Requirement of water is met from the Sea after treatment in RO Plants and reject water of the RO Plants is returned back to the Sea as per CC&A granted by GPCB. Domestic waste water generated from Cement Plant, TPP, Kovaya Limestone Mine and Colony is treated in the STP and treated water is used for greenbelt development/plantation and dust suppression purpose.

		Detail of treated water quality of STP/RO reject/WWTP at TPP treated water is already provided in specific condition no. iv status and supporting photographs is as under,


Sewage Treatment Plant

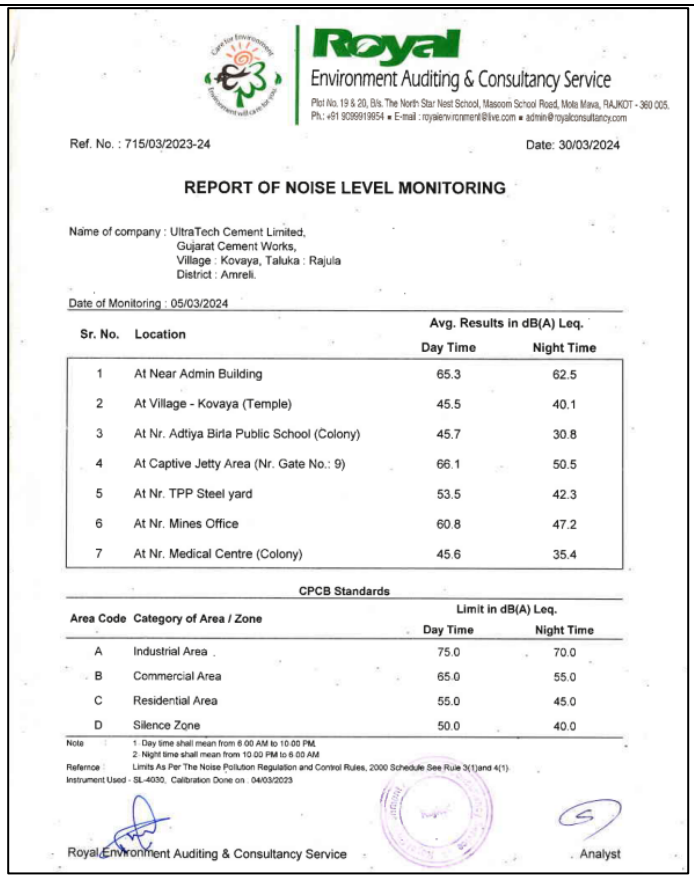

Waste Water Treatment Plant at TPP

v).	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	**Being Complied.** Complied with. Noise level in and around the plant area is found well within the prescribe limits. Results of the noise level in and around the area from **Oct-23 to Mar-24** is as under, This confers to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

Ambient Noise Level Monitoring Results: Oct'23 to Mar'24

	Location 1-Admin Building		Location 2-Village Kovaya		Location 3-ABPS School		Location 4-Captive Jetty Area		Location 5-Near Mines office		Location 6-Near Medical Centre		Location 7-TPP Steel Yard	
Month	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**
Limit dB(A)	**75**	**70**	**55**	**45**	**50**	**40**	**75**	**70**	**75**	**70**	**50**	**40**	**75**	**70**
Oct-23	67.4	54.5	53.1	43.4	49.3	34.9	64.4	54.9	61.5	51.4	45.4	39.7	62.3	50.3
Nov-23	69.2	63.8	50.2	41.3	48.3	33.4	66.7	53.1	65.4	52.9	46.2	38.4	59.6	48.4
Dec-23	67.9	61.2	49.8	40.3	46.4	31.5	64.1	51.6	62.8	50	43.9	35.7	56.2	44.4
Jan-24	56.3	60.6	47.2	39.1	44.6	30.7	62.7	50.8	60.9	48	48.8	38.5	55.3	42.9
Feb-24	68.7	63.1	49.3	41.5	46.8	32.2	64.5	52.6	62.6	50.7	50.4	40.9	57.9	44.3
Mar-24	65.3	62.5	45.5	40.1	45.7	30.8	66.1	50.5	60.8	47.2	45.6	35.4	53.5	42.3
Min	**56.3**	**54.5**	**45.5**	**39.1**	**44.6**	**30.7**	**62.7**	**50.5**	**60.8**	**47.2**	**43.9**	**35.4**	**53.5**	**42.3**
Max	**69.2**	**63.8**	**53.1**	**43.4**	**49.3**	**34.9**	**66.7**	**54.9**	**65.4**	**52.9**	**50.4**	**40.9**	**62.3**	**50.3**

Note: 1. Day time shall mean from 06.00 AM to 10.00 PM.
2. Night time shall mean from 10.00 PM to 06.00 AM.



Royal
Environment Auditing & Consultancy Service
Plot No.19 & 20, B/s. The North Star Nest School, Masoom School Road, Mota Mava, RAJKOT - 360 005.
Ph.: +91 9099919954 • E-mail : royalenvironment@live.com • admin@royalconsultancy.com

Ref. No. : 715/03/2023-24 Date: 30/03/2024

REPORT OF NOISE LEVEL MONITORING

Name of company : UltraTech Cement Limited,
Gujarat Cement Works,
Village : Kovaya, Taluka : Rajula
District : Amreli.

Date of Monitoring : 05/03/2024

Sr. No.	Location	Avg. Results in dB(A) Leq.	
		Day Time	Night Time
1	At Near Admin Building	65.3	62.5
2	At Village - Kovaya (Temple)	45.5	40.1
3	At Nr. Adtiya Birla Public School (Colony)	45.7	30.8
4	At Captive Jetty Area (Nr. Gate No.: 9)	66.1	50.5
5	At Nr. TPP Steel yard	53.5	42.3
6	At Nr. Mines Office	60.8	47.2
7	At Nr. Medical Centre (Colony)	45.6	35.4

CPCB Standards

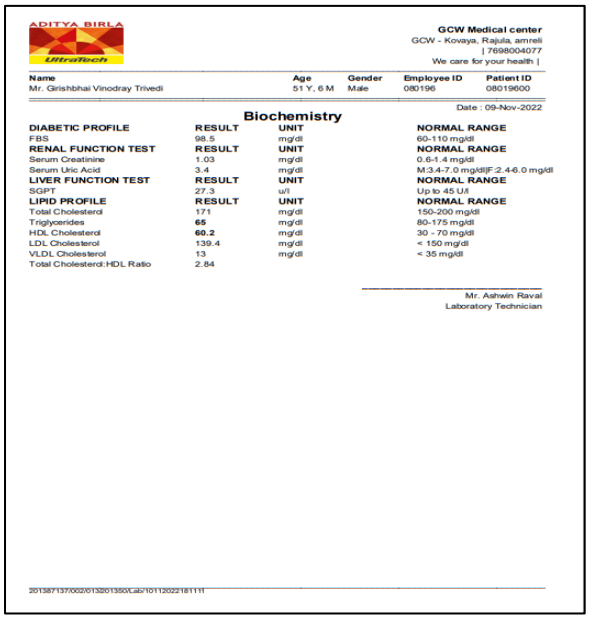
Area Code	Category of Area / Zone	Limit in dB(A) Leq.	
		Day Time	Night Time
A	Industrial Area	75.0	70.0
B	Commercial Area	65.0	55.0
C	Residential Area	55.0	45.0
D	Silence Zone	50.0	40.0

Note : 1. Day time shall mean from 6.00 AM to 10.00 PM.
2. Night time shall mean from 10.00 PM to 6.00 AM
Refernce : Limits As Per The Noise Pollution Regulation and Control Rules, 2000 Schedule See Rule 3(1)and 4(1)
Instrument Used - SL-4030, Calibration Done on : 04/03/2023

Royal Environment Auditing & Consultancy Service Analyst

Noise Monitoring Report

vi).	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	**Complied.** Proper housekeeping and adequate occupational health programs are being taken up. We have an Occupational Health Centre equipped with the full fledge equipment facility with qualified and experienced team of Doctors. Occupational Health Surveillance program are carried out on regular basis and records of the test carried out are maintained properly. The programme includes lung function and sputum analysis tests once in six months. The medical check-up of **2954** employees was done during **Apr'23 to Mar'24**.



ADITYA BIRLA
UltraTech

GCW Medical center
GCW - Kovaya, Rajula, amreli
| 7698004077
We care for your health |

Name	Age	Gender	Employee ID	Patient ID
Mr. Girishbhai Vinodray Trivedi	51 Y, 6 M	Male	080196	08019600

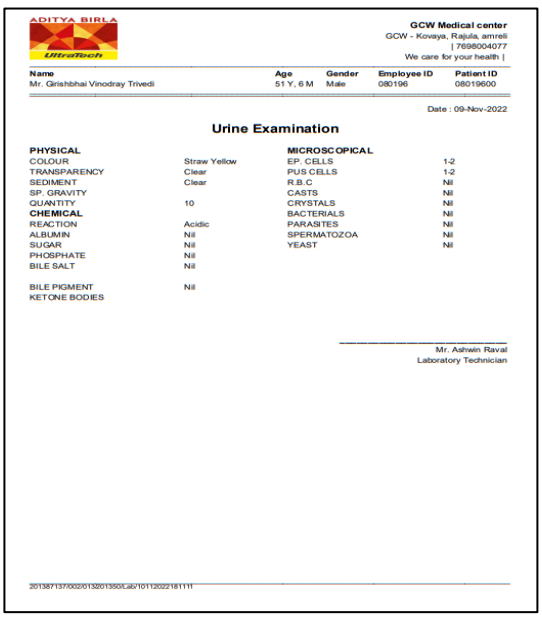
Date : 09-Nov-2022

Biochemistry

DIABETIC PROFILE	RESULT	UNIT	NORMAL RANGE
FBS	98.5	mg/dl	60-110 mg/dl
RENAL FUNCTION TEST	**RESULT**	**UNIT**	**NORMAL RANGE**
Serum Creatinine	1.03	mg/dl	0.6-1.4 mg/dl
Serum Uric Acid	3.4	mg/dl	M:3.4-7.0 mg/dl|F:2.4-6.0 mg/dl
LIVER FUNCTION TEST	**RESULT**	**UNIT**	**NORMAL RANGE**
SGPT	27.3	u/l	Up to 45 U/l
LIPID PROFILE	**RESULT**	**UNIT**	**NORMAL RANGE**
Total Cholesterol	171	mg/dl	150-200 mg/dl
Triglycerides	**65**	mg/dl	80-175 mg/dl
HDL Cholesterol	**60.2**	mg/dl	30 - 70 mg/dl
LDL Cholesterol	139.4	mg/dl	< 150 mg/dl
VLDL Cholesterol	13	mg/dl	< 35 mg/dl
Total Cholesterol:HDL Ratio	2.84		

Mr. Ashwin Raval
Laboratory Technician

201387137/002/013201350/Lab/10112022181111



ADITYA BIRLA
UltraTech

GCW Medical center
GCW - Kovaya, Rajula, amreli
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We care for your health |

Name	Age	Gender	Employee ID	Patient ID
Mr. Girishbhai Vinodray Trivedi	51 Y, 6 M	Male	080196	08019600

Date : 09-Nov-2022

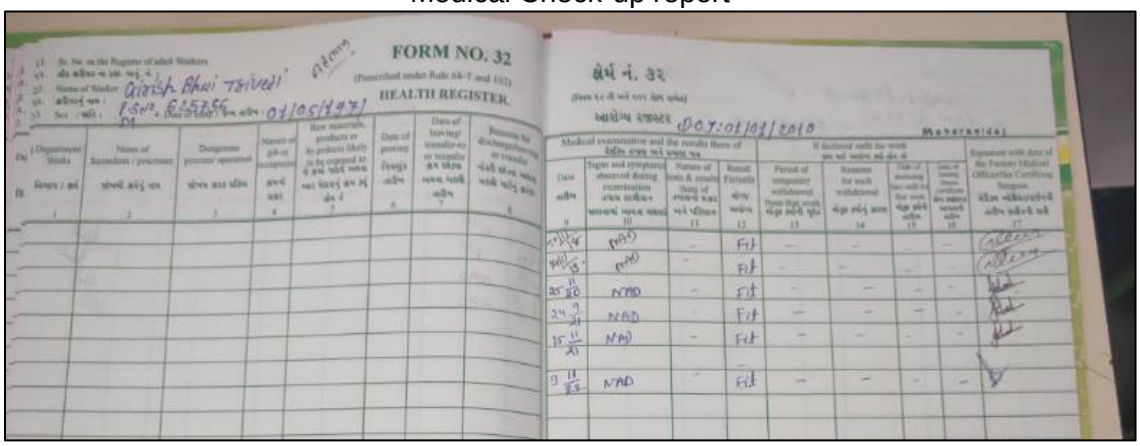
Urine Examination

PHYSICAL		MICROSCOPICAL	
COLOUR	Straw Yellow	EP. CELLS	1-2
TRANSPARENCY	Clear	PUS CELLS	1-2
SEDIMENT	Clear	R.B.C	Nil
SP. GRAVITY		CASTS	Nil
QUANTITY	10	CRYSTALS	Nil
CHEMICAL		BACTERIALS	Nil
REACTION	Acidic	PARASITES	Nil
ALBUMIN	Nil	SPERMATOZOA	Nil
SUGAR	Nil	YEAST	Nil
PHOSPHATE	Nil		
BILE SALT	Nil		
BILE PIGMENT	Nil		
KETONE BODIES			

Mr. Ashwin Raval
Laboratory Technician

201387137/002/013201350/Lab/10112022181111

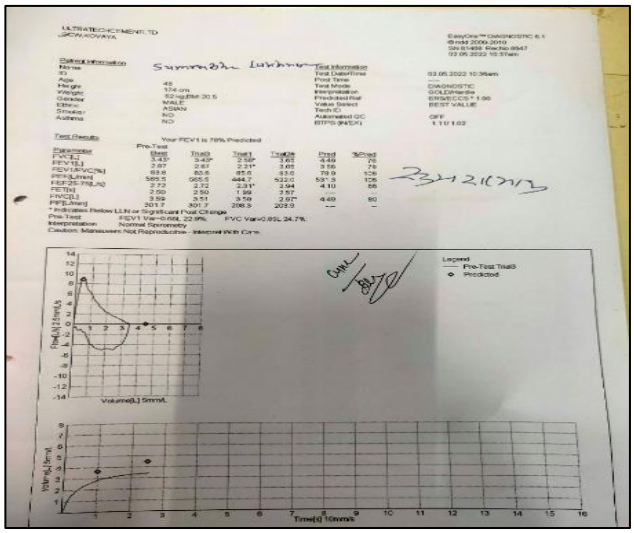
Medical Check-up report



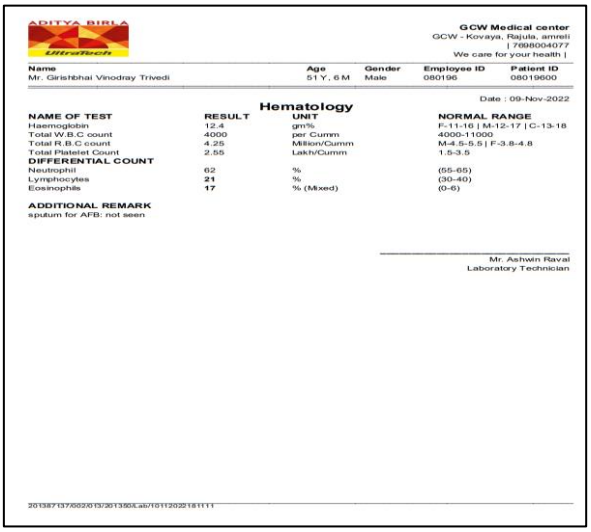
FORM NO. 32
(Prescribed under Rule 68-T and 102)
HEALTH REGISTER

Girish Bhai Trivedi
01/05/1977

Form-32



Lung function/Spirometry test Report



ADITYA BIRLA
UltraTech

GCW Medical center
GCW - Kovaya, Rajula, amreli
| 7698004077
We care for your health |

Name	Age	Gender	Employee ID	Patient ID
Mr. Girishbhai Vinodray Trivedi	51 Y, 6 M	Male	080196	08019600

Date : 09-Nov-2022

Hematology

NAME OF TEST	RESULT	UNIT	NORMAL RANGE
Haemoglobin	12.4	gm%	F-11-16 | M-12-17 | C-13-18
Total W.B.C count	4000	per Cumm	4000-11000
Total R.B.C count	4.25	Million/Cumm	M-4.5-5.5 | F-3.8-4.8
Total Platelet Count	2.55	Lakh/Cumm	1.5-3.5
DIFFERENTIAL COUNT			
Neutrophil	62	%	(55-65)
Lymphocytes	**21**	%	(30-40)
Eosinophils	**17**	% (Mixed)	(0-6)

ADDITIONAL REMARK
sputum for AFB: not seen

Mr. Ashwin Raval
Laboratory Technician

201387137/002/013201350/Lab/10112022181111

Sputum Analysis Test Report

vii).	The company shall undertake eco-development measures including community welfare measures in the project area.	**Being Complied.** We have carried out various eco–development activities like green belt development and also running a CSR facility that supports the surrounding villagers to uplift their living status. Greenbelt development with focus on plantation of fruit bearing tree is stressed for community welfare measures. During April 2023 to March 2024, we expended Rs. 2.27 lakhs on Social Empowerment and welfare, benefiting 4921 individuals.

World Water Week 2023 Observed at Govt. Primary School. Participants : 280 students

Training on Azolla cultivation and vermi compost making and beds distribution. Events - 2, Beneficiaries - 51

Awareness on plastic waste and pollution followed by plastic waste collection drive at Varahsvarup. Participants - 42

International Day for Biological Diversity. Participants - 45 youth & children

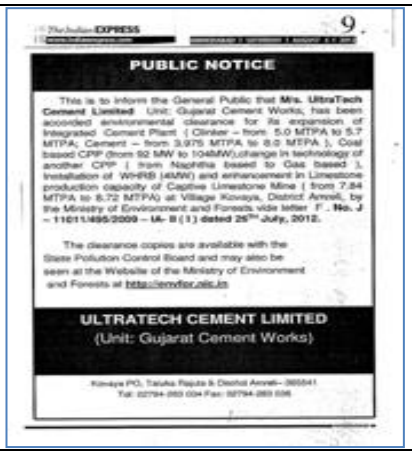
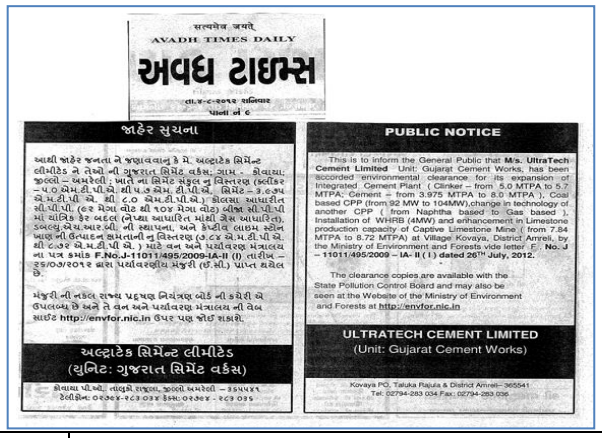
viii).	The project proponent shall also Complied with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	**Being Complied.** We have already complied with the recommendation as per EIA/EMP. It was again submitted to RO, MoEF&CC Bhopal along with our reply against certified compliance point vide our letter no.08/UTCL/GCW/ENV/MoEF/21 dated 08.05.2021 through E-mail dated 10.05.2021.
ix).	A separate Environmental Management Cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	**Complied.** The company has an Environment Management Cell (EMC) equipped with efficient and qualified personnel under the control of Senior Executive. We have outsourced environment monitoring.
x).	Adequate funds shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	**Being Complied.** We have allocated the fund for the implementation of various condition. The total expenditure on environment i.e complying stipulated conditions during **Apr-23 to Mar-24** are as under, **Total recurring Expenditure- Rs. 1165.43 Lacs .** Funds allocated under this head are not used for any other purpose.
xi).	The Regional Office of this Ministry/CPCB/ GSPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/ information/monitoring reports. A six monthly compliance report and the monitored	**Being Complied.** We co-operated the Govt. Officials, GPCB/CPCB/GSPCB/MoEFCC during their visit to monitor the stipulated conditions. We are regularly submitting the six monthly compliance report and monitoring data along with statistical interpretation to GPCB/CPCB/MoEFCC.

S. No.	Recurring cost	TOTAL in INR Lacs
1	Personnel for general environmental management activities	21
2	BMW Treatment and Disposal of Waste (Costs)	1.28
3	External services (Monitoring , Consultancy, environmental certification)for environmental management	283.46
4	Maintenance cost of the Air pollution control devices (bag house, ESP, etc)	589.32
5	Treatment of Sewage and effluent cost (operational and Maintenance cost)	74.18
6	Environmental License Fee	6.18
7	Horticulture	149.66
8	World Environment Day	0.35
9	Civil jobs like road repairing, drain cleaning, road sweeping, pucca road	40.00
Total recurring Expenditure in INR Lacs		**1165.43**

	data along with statistical interpretation shall be submitted to them regularly.	
xii).	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the GPCB.	**Complied**. We have regularly submitted environment clearance compliance report to all the concerned authorities in hard copies as well as through e-mail. But after the MoEF&CC notification S.O.5845 (E) dated 16.11.2018, we are submitting the half yearly compliance report to RO, MoEF&CC/ ZO CPCB/SPCB via E-mail.
xiii).	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	**Complied.** Our unit is existing unit only some modification has been done for capacity enhancement for which we have already obtained CC&A from GPCB, Gandhi Nagar. At a time of final closer we will inform to your good office.
xiv).	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear plugs/ muffs.	**Complied.** Measures are being taken for control of noise levels below prescribed limit in the work environment. Workers engaged in operations of HEMM etc. are provided with PPE such as ear plugs/ muffs.
xv).	Industrial waste water (workshop and waste water from the mine) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	**Being Complied.** No waste water generated from mines except the domestic waste water. We have Septic tank arrangement for collection of domestic waste water and also treated in common STP available at Colony. We have a central HEMM workshop to repair/ maintenance of heavy vehicles and provided oil and grease trap to separate the oil content from waste water generated during vehicle washing. The filtered water is again reused for washing purpose.  Oil Water Separator Tank The quality of outlet water from oil water separator tank is monitored regularly by NABL approved laboratory. Monitoring values are given below.

Quality of outlet water from oil water separator During (Oct'23 to Mar'24)											
Parameters	**Unit**	**Permissible Limit**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Min.**	**Max.**	**Avg.**
Temperature	°C	40	28	29	27	25	30	29	**25.0**	**30.0**	**28.0**
pH	pH	6.5 to 9.0	7.44	7.49	7.54	7.43	7.39	7.15	**7.15**	**7.54**	**7.41**
Colour	PT.Co.Scale	100	20	25	26	24	25	29	**20.0**	**29.0**	**24.8**
TSS	mg/l	100	27	30	32	31	33	37	**27.0**	**37.0**	**31.7**
Oil/Grease	mg/l	10	3.2	3.6	3.7	3.5	3.6	4.3	**3.2**	**4.3**	**3.7**
Sulphides	mg/l	2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	**ND**	**ND**	**ND**
Phosphates	mg/l	5	0.4	0.4	0.5	0.6	0.4	0.5	**0.40**	**0.60**	**0.47**
BOD	mg/l	30	9.5	10.7	11.2	13.2	15.7	13.7	**9.5**	**15.7**	**12.3**
COD	mg/l	100	28.5	32.1	34.1	39.6	47.1	43.5	**28.5**	**47.1**	**37.5**

xvi).	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	**Being Complied.** We had implemented safety standard & norms viz. mandatory use of PPEs in high dust/high noise areas, use of earmuff & earplugs in high noise areas. Training is imparted on regular basis to one and all for safety. We are operating an OHS Centre well equipped with medical facility to cover all employees under OHS surveillance program.
xvii).	The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	**Complied.** It's an existing project in operation since 1996, and this EC is for enhancement of production only. The date of financial closure i.e capitalized on 30.03.2013
xviii).	A copy of clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom suggestion/representation, if any, was received while processing the proposal.	**Complied.** we have already sent the copy of clearance letter to Panchayat, Zila parishad/Municipal Corporation, Urban Local Body, and the local NGO. We have also sent letter to GPCB, Gandhi Nagar and Regional Office GPCB, Bhavnagar vide our letter No UTCL/GCW/QC-E/2012-1. Dated 06.08.2012 and also uploaded on the website of UltraTech Cement.
xix).	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also put up on the website of the Company by the proponent.	**Complied.** We have already sent the copy of clearance letter to Panchayat, Zila parishad/Municipal Corporation, Urban Local Body, and the local NGO. We have also sent letter to GPCB, Gandhi Nagar and Regional Office GPCB, Bhavnagar vide our letter No UTCL/GCW/QC-E/2012-1. Dated 06.08.2012 and also uploaded on the website of UltraTech Cement. The web link is https://www.ultratechcement.com/about-us/sustainability/environment.php
xx).	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the Gujarat Pollution Control Board and also at web site of the Ministry of Environment and Forests at "http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry.	**Complied.** The grant of EC to Gujarat Cement Works was published in two local newspaper one in vernacular language.

		
xxi).	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.	**Being Complied.** Unit submitting environmental statement for each financial year ending 31st March in Form-V to GPCB timely and also uploading in Company website and also sending to Regional Office, MoEF Bhopal For Cement Plant, Mines & TPP. Earlier, environment statement for the **FY 2022-23** have been send on **29.08.2023 (Cement plant) 01.09.2023 (Mines) & 06.09.2023 (TPP).**

Appendix-1

EC compliance for TPP EC letter no. J-13011/17/2005-IA.11 (T) dated 14th March' 2006

Name & Location of the Plant/Industry	**:**	**Thermal Power Plant of M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, At Village: Kovaya, Taluka: Rajula, District: Amreli (Gujarat)-365541**
Capacity of The Plant /Industry	**:**	

S. No.	Category	Capacity	Production/ Generation (Oct-23 to Mar-24)	
1.	TPP (Coal based)	4 X 23 MW	TG-1	15.65 MW
			TG-2	17.37 MW
			TG-3	17.68 MW
			TG-4	17.44 MW

Environmental Clearance Letter No.	**:**	**F. No.: J-13011/17/2005-IA.11 (T) dated 14th March' 2006**
Period of the Compliance Report	**:**	**From 01st October 2023 To 31st March 2024**

Cond.	Stipulated Conditions	Status
SPECIFIC CONDITIONS:		
i).	The conditions stipulated by Gujarat Pollution Control Board vide their letter no. PC/ CCA-AMR- 11 (2)/25601 dated 14.10.2005 shall be strictly implemented.	**Being Complied.** The desirable conditions stipulated by Gujarat Pollution Control Board is being complied. Now, Ministry's Regional office, Gandhinagar has been established for Gujarat region, therefore, EC compliance report is being submitted to Ministry's Regional office Gandhinagar instead of Ministry's Regional office, Bhopal and GPCB on six-monthly basis.
ii).	Land requirement for the project shall be restricted to 30.7 ha, which is in possession of the project authorities. No additional land will be acquired for the project.	**Complied.** Land area of TPP is as per the Environment Clearance letter no. F. No.:J-11011/495/2009-IA.II (I) dated 26th July 2012
iii).	The plant shall be based on CFBC technology with 95% quenching of Sulphur dioxide.	**Complied.** TPP has been installed based on CFBC Technology with the facility of quenching of Sulphur dioxide to maintain the emission level within the prescribed limit.
iv).	Air Cooled Condenser cooling system shall be installed for the plant.	**Complied.** Air Cooled Condenser cooling system have installed, photographs attached.

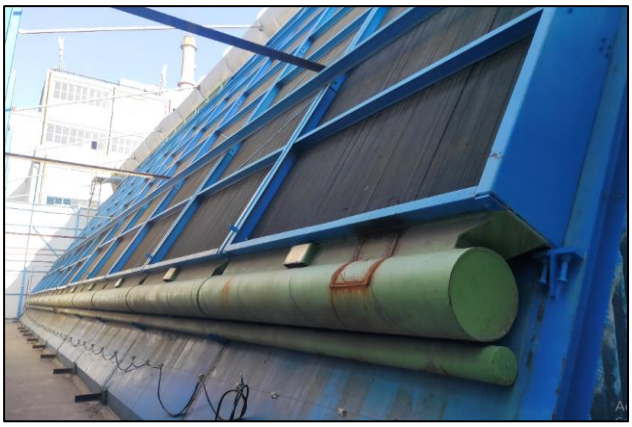
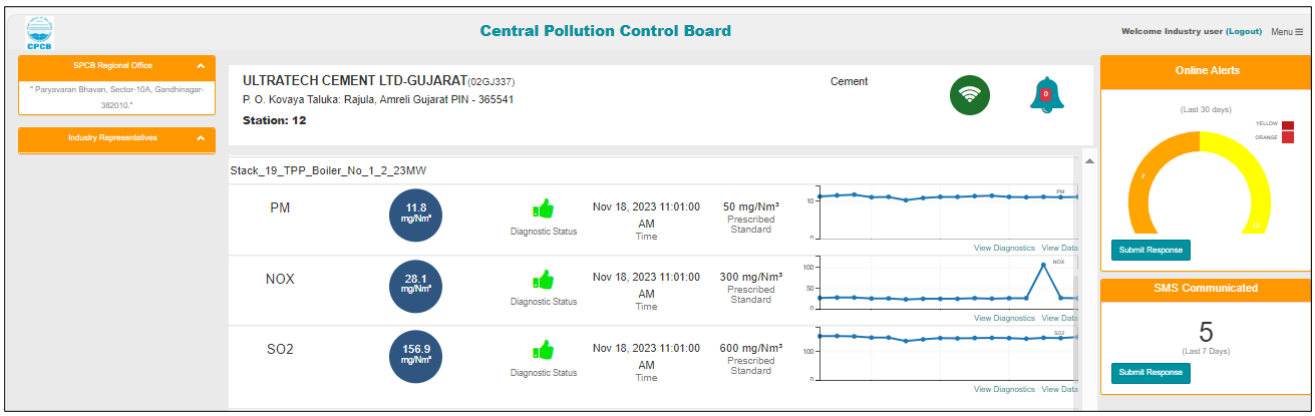
	  **Air Cooled Condenser cooling system**	
v).	Two stacks, of 110 m height each with exit velocity of not less than 25 m/sec shall be provided with continuous on-line monitoring system. The data collected shall be analyzed and submitted regularly to the Ministry / SPCB.	**Being Complied.** Height of two stacks are 110 meter and it is as per the guidelines of CPCB. Exit velocity of both stacks are more than 25 m/s as per designed capacity. On-line continuous monitoring system have been installed with the stacks with data connectivity to CPCB/GPCB server on real time basis. Screenshot of the CPCB RTDMS portal is given under:
	<u>Screenshot of CPCB RTDMS Portal</u> 	
vi).	Bag filters shall be installed as air pollution control system and SPM emissions from the stacks shall be limited to 50 mg/Nm3. Selective Catalytic Reduction De Nox system shall be installed for restricting NOX emission below 50 ppm.	**Being Complied.** Bag Houses have been installed and emission from stacks is within applicable emission norms. The stack emission data for the period Oct-23 to Mar-24 is as per below **Table-1**

Table-1

	Thermal Power Plant (TPP)							
Stack No.	**S-19**				**S-20**			
Stack Name	**TPP Boiler No-1&2 (23X2 MW)**				**TPP Boiler No-3&4 (23X2 MW)**			
Parameter	**PM**	**SO_2**	**NOx**	**Hg**	**PM**	**SO_2**	**NOx**	**Hg**
Std Limit (mg/Nm^3)	**50**	**600**	**450**	**0.03**	**50**	**600**	**450**	**0.03**
Oct-23	20.9	371.5	92.8	**0.003***	16.1	160.5	144.8	**0.011***
Nov-23	11.3	173.1	278.5		19.1	190.1	29.6	
Dec-23	20.7	245.4	69.2		17.1	253.4	153.2	
Jan-24	15.4	176.7	30.4		28.3	327.4	147.2	
Feb-24	31.8	218.9	48.7		12.8	318.1	142.2	
Mar-24	22.1	212.8	28.2		24.4	311.3	135.0	
Min.	**11.3**	**173.1**	**28.2**		**12.8**	**160.5**	**29.6**	
Max.	**31.8**	**371.5**	**278.5**		**32.5**	**434.3**	**153.2**	
Avg.	**20.6**	**235.2**	**82.1**		**20.2**	**293.0**	**109.3**	

** Monitoring of Hg is being done on annual basis by NABL accredited lab. Earlier, monitoring was done in Nov-2023.*

vii). Dust extraction and suppression system and water sprinkler system shall be provided for controlling fugitive dust during transportation, in lignite storage area and other vulnerable areas of the plant.

Complied.

Following action taken to control Fugitive emission.

1. Water sprinkler system/Rain gun is provided at fuel storage area.
2. Unit uses mechanized vacuum sweeping machine for road/floor cleaning to avoid dust emission.
3. Truck yard and roads within plant premises are Concreted/Pucca to minimize dust emission.
4. Unit has installed bag filters at every transfer/ unloading points for control dust emission during material handling.
5. Regular maintenance of bag filters have been carried out to meet the emission norms.
6. Unit uses treated waste water of WTP for spraying on roads, storage yard to control fugitive emission.
7. All Belt conveyors are closed to control fugitive emission.

Water sprinkling in Coal yard

Coal Conveyor Belt closed

viii). Water requirement of 1540 m^3/day shall be met from the desalination plant of Gujarat Cements Works. No ground water shall be extracted for the power plant at any stage.

Being Complied.
Total water consumption during Oct-23 to Mar-24 was **385.9 m^3/day**. Total water requirement is met through raw water generated from Sea water and harvested water from Mines. No ground water is used in our TPP.

Month	Water consumption (m^3)	Water consumption m^3/day
Oct-23	11149	359.65
Nov-23	9352	311.73
Dec-23	10723	345.90
Jan-24	13474	434.65
Feb-24	14063	484.93
Mar-24	11866	382.77
Total	**70627**	**-**
Average	**-**	**385.9**

ix). The treated effluents conforming to the prescribed standards shall be used for dust suppression and for green belt development. The wastewater discharge outside the plant boundary shall be kept to the minimum.

Being Complied.
Dedicated Waste Water Treatment Plant (WWTP) is installed at TPP. The quality of treated water is well within the norms. The analysis results are given in **Table-2.**

Table-2

Thermal Power Plant (WWTP - Treated Effluent Analysis Report)

Waste water treated Effluent Analysis report for the Oct-2023 to Mar-2024											
Parameter	**Limit**	**Unit**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Min.**	**Max.**	**Avg.**
pH	6.5 to 8.5	-	7.49	7.7	7.61	7	7.08	7.28	7	7.7	7.39
Colour Pt.Co.Scale	100	Pt scale	20	25	24	25	26	29	20.0	46.0	32.8
Temperature	40	Centigrade	28	28	26	25	29	24	24.0	32.0	28.2
Suspended Solids	100	mg/l	36	38	36	34	32	30	30.0	48.0	38.6
Oil & Grease	10	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
COD	100	mg/l	26.25	30.5	36	40.5	46	41	26.25	46	35.8
BOD	30	mg/l	10.5	12.2	14.4	16.2	18.4	18.6	10.5	20.16	15.5
Sulphides	2	mg/l	0.4	0.5	0.4	0.5	0.6	0.4	0.3	0.7	0.5
Phosphates	5	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Chromium	0.2	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium	0.1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Copper	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Iron	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc	1	mg/l	ND	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

x). Rainwater harvesting shall be adopted, Central Groundwater Authority/ Board shall be consulted for finalization of appropriate water harvesting technology and details furnished to this ministry within a period of three month form the date of clearance.

Complied.
Rain water is being collected in mined out pits of captive limestone mine. A capacity of around 15.00 Lacs Cubic Meter has been created inside the mined out pits for collection of rain water and the same is being used for the various activities of the mines, cement plant and power plant.

xi). Noise level shall be limited to 75 dBA and regular maintenance of equipment's shall be undertaken. For people working in high noise areas, earplugs shall be provided.

Being Complied.
Noise level in and around the power plant area is found well within the prescribe limits. Results of the noise level in and around the area from Oct-23 to Mar-24 is as per below **Table-3**,

This confers to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

Table-3

Thermal Power Plant

Ambient Noise Level Monitoring Results: Oct'23 to Mar'24

	Location 1- Near WWTP		Location 2- Near Project Office		Location 3- Near Secondary Crusher		Location 4- Near Security Main Gate (TPP)		Location 5- Village - Rampara		Location 6- Village - Lothpur	
Month	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**	**Day Time**	**Night Time**
Limit	**75**	**70**	**75**	**70**	**75**	**70**	**75**	**70**	**55**	**45**	**55**	**45**
Oct-23	64.1	55.1	60.3	52.3	62.3	50.3	62.8	48.5	52.2	39.9	51.6	40.2
Nov-23	66.2	57.1	57.3	50.8	64.4	51.1	64.0	50.1	53.6	41.8	52.9	42.4
Dec-23	64.1	55.9	55.3	49.2	62.8	50.4	63.4	48.2	51.1	40.2	50.9	41.0
Jan-24	63.8	51.7	52.3	48.3	60.1	52.2	61.7	45.6	53.4	38.4	52.2	39.3
Feb-24	65.9	53.1	54.6	50.7	62.8	53.9	63.5	47.6	50.2	39.4	51.1	40.5
Mar-24	67.3	50.4	59.1	47.6	60.4	49.7	62.5	51.2	53.7	35.6	50.4	37.8
Min.	**63.8**	**51.7**	**52.3**	**48.3**	**60.1**	**50.3**	**61.7**	**45.6**	**50.2**	**38.4**	**50.9**	**39.3**
Max.	**66.2**	**57.1**	**60.3**	**52.3**	**64.4**	**53.9**	**64.0**	**50.1**	**53.6**	**41.8**	**52.9**	**42.4**

Note: 1. Day time shall mean from 06.00 AM to 10.00 PM.
2. Night time shall mean from 10.00 PM to 06.00 AM.
3. Monitoring & Analysis is done by NABL accredited lab.

xii).	Dry Ash collection system and pneumatic conveying system of dry ash through closed pipelines shall be provided. Transportation of ash to cement plant shall be in covered in covered trucks/Bouzers. Ash generated shall be utilized in Cement production or any other approved use and 100 % ash utilization shall be ensured.	**Being Complied.** Dry Ash is being collected in Fly ash silo through pneumatic conveying system/closed pipelines. Ash is being transported to Cement plant by covered trucks/Bouzers for cement manufacturing. From Captive Thermal Power Plant – (**Oct-23 to Mar-24)** Fly ash Generated – **19350 MT** Fly ash utilized – **19405 MT**

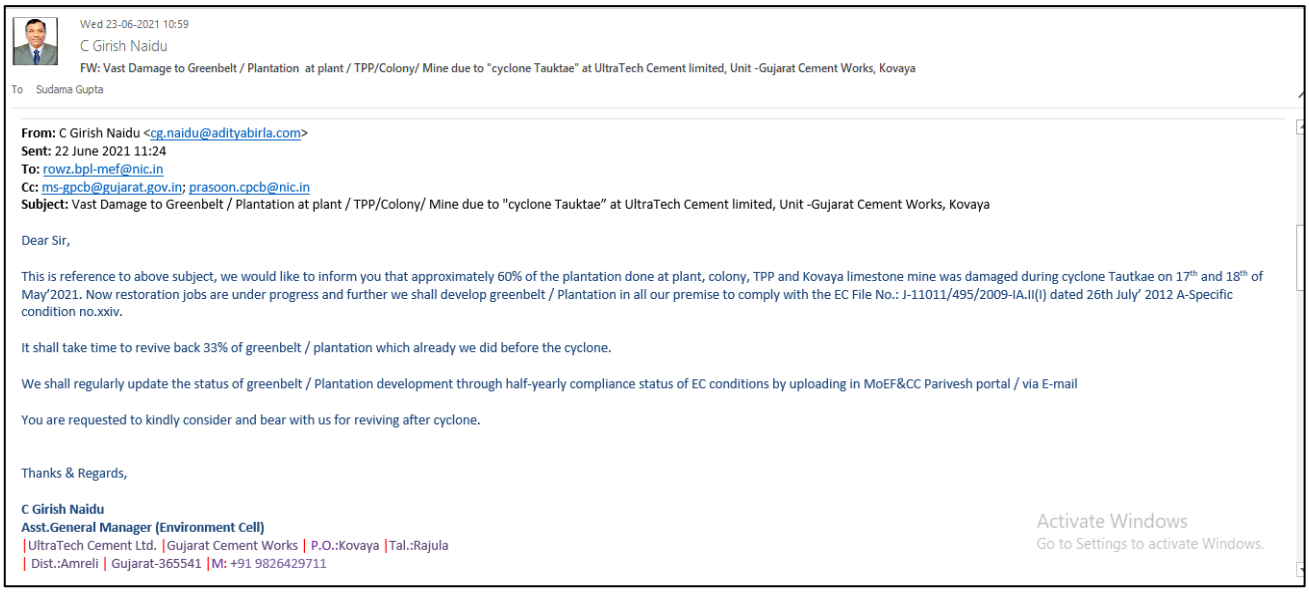
Fly Ash Transportation in closed Bouzers

Dry Fly Ash conveying in silo through closed Pipelines

xiii).	On-site Disaster Management Plan shall be prepared and implemented. Regular mock drills shall be conducted and training programmes for the employees to handle hazardous chemical and waste and to deal with the emergency shall be conducted. Safety alarms shall be installed at strategic point including main gate , assembly points, first aid Centre etc.	**Complied.** On-site Emergency preparedness plan has been prepared and implemented at the site. Apart from this, we are following the Disaster Management Plan of Gujarat State Government. Regular mock drills, Safety training is being conducted at the Plant for the employees doing various activities in the Plant. Emergency Syrian have been installed at strategic point including main gate, assembly points, first aid Centre etc.

xiv).	A greenbelt of 30 m width shall be developable around the plant boundary with density of 2500 trees per ha. The area under greenbelt shall be 1/3rd of the total area.	**Being Complied.** Tauktae cyclone, enormous damaged Plantation at Gujarat cement Works, which have already communicated to Ministry's Regional office via email, screenshot attached for your reference please. After cyclone, a third party survey was conducted and on the basis of their observation and recommendation Action Plan for Plantation has been prepared and submitted to MoEFCC vide our letter no. 48/UTCL/GCW/ENV/MoEF/22 dated:12.01.2022. Plantation was done during Oct-23 to Mar-24 was as per the table given below.

S.No.	Location	Total No. of Plantation
1	Mines	6000
2	TPP	159
3	Plant & Colony	300
	Total	**6459**



Wed 23-06-2021 10:59
C Girish Naidu
FW: Vast Damage to Greenbelt / Plantation at plant / TPP/Colony/ Mine due to "cyclone Tauktae" at UltraTech Cement limited, Unit -Gujarat Cement Works, Kovaya
To Sudama Gupta

From: C Girish Naidu <cg.naidu@adityabirla.com>
Sent: 22 June 2021 11:24
To: rowz.bpl-mef@nic.in
Cc: ms-gpcb@gujarat.gov.in; prasoon.cpcb@nic.in
Subject: Vast Damage to Greenbelt / Plantation at plant / TPP/Colony/ Mine due to "cyclone Tauktae" at UltraTech Cement limited, Unit -Gujarat Cement Works, Kovaya

Dear Sir,

This is reference to above subject, we would like to inform you that approximately 60% of the plantation done at plant, colony, TPP and Kovaya limestone mine was damaged during cyclone Tautkae on 17th and 18th of May'2021. Now restoration jobs are under progress and further we shall develop greenbelt / Plantation in all our premise to comply with the EC File No.: J-11011/495/2009-IA.II(I) dated 26th July' 2012 A-Specific condition no.xxiv.

It shall take time to revive back 33% of greenbelt / plantation which already we did before the cyclone.

We shall regularly update the status of greenbelt / Plantation development through half-yearly compliance status of EC conditions by uploading in MoEF&CC Parivesh portal / via E-mail

You are requested to kindly consider and bear with us for reviving after cyclone.

Thanks & Regards,

C Girish Naidu
Asst.General Manager (Environment Cell)
|UltraTech Cement Ltd. |Gujarat Cement Works | P.O.:Kovaya |Tal.:Rajula
| Dist.:Amreli | Gujarat-365541 |M: +91 9826429711

Activate Windows
Go to Settings to activate Windows.

Screen shot of the E-mail shared to the Ministry Regional office after Tautkae cyclone.

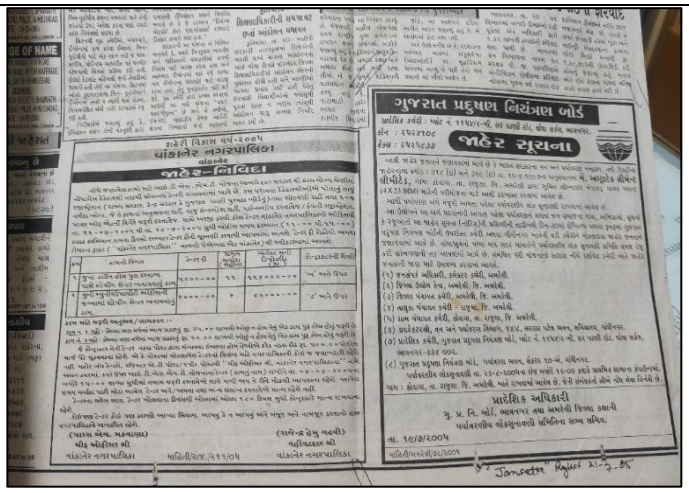
	 ADITYA BIRLA UltraTech 48/UTCL/GCW/ENV/MoEF/22 Date: 12.01.2022 To, The Deputy Director (S)/Scientist- 'C' IRO Gandhinagar, MoEFCC Aranya Bhawan, Near CH-3 Circle Sector-10A, Gandhinagar, Gujarat-382010 **Sub:** Submission of the information sought on the six monthly environment compliance report submitted for the period of April to September 2021 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, Village-Kovaya. **Ref:** Your good office letter no.: **J-11/32-2021-IROGNR dt. 24.12.2021.** Respected sir, This is context to above subject & referred letter, we would like to submit herewith point wise details of the information sought on the six monthly environment compliance report submitted for the period of April to September 2021 by M/s. UltraTech Cement Limited, Unit: Gujarat Cement Works, Village-Kovaya. Submitted for your perusal please. Thanking you, For, M/s UltraTech Cement Ltd., Unit: Gujarat Cement Works, Anil Shukla Sr. Vice President (Technical) Encl: 1. Point wise details of the information required by RO Office, MoEFCC, Gandhinagar vide their letter no. J-11/32-2021-IROGNR dt. 24.12.2021 along with **Annexure-1 to 19**. 2. Data Sheet UltraTech Letter Regarding Action plan for Plantation	
xv).	First aid and sanitation arrangements shall be made be available for the truck drivers and temporary staff engaged in the plant.	**Being Complied.** First aid and sanitation arrangements available for the truck drivers and temporary staff engaged in the plant.
xvi).	Regular monitoring of the air quality shall be carried out in and around power plant and records shall be maintained. The monitoring stations shall be decided in consultation with the state pollution control Board. Six monthly monitoring report shall be submitted to this Ministry.	**Being Complied.** Air quality monitoring is being carried out by NABL accredit third part lab at desired location of the Plant. Ambient air quality monitoring results is being submitted to the to the Ministry including its Regional Office located at Gandhinagar and the Gujarat Pollution Control Board / Central Pollution Control Board once in six months along with Six Monthly compliance report through e-mail. Ambient Air Quality Monitoring results are given in **Table-4**.

Table-4

Thermal Power Plant,
Ambient air Quality Monitoring Results: Oct'23 to Mar'24

Area	Parameter	Unit	Std Limit	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Min	Max	Avg
Within the Plant Premise												
Near WWTP	PM 10	ug/m^3	100	44.1	46.3	42.7	44.5	45.2	48.6	**42.7**	**48.6**	**45.2**
	SO_2	ug/m^3	80	9.1	11.2	12.6	11.3	10.2	11.2	**9.1**	**12.6**	**10.9**
	NO_2	ug/m^3	80	16.4	18.2	17.4	19.2	18.4	15.4	**15.4**	**19.2**	**17.5**
	PM 2.5	ug/m^3	60	21.6	22.9	20.8	21.8	23.4	21.5	**20.8**	**23.4**	**22.0**
Near Project Office	PM 10	ug/m^3	100	45.1	45.3	44.8	40.4	37.1	39.1	**37.1**	**45.3**	**42.0**
	SO_2	ug/m^3	80	10.9	12.9	13.2	9.8	8.1	10.5	**8.1**	**13.2**	**10.9**
	NO_2	ug/m^3	80	15.1	16.2	16.4	18.1	13.4	15.4	**13.4**	**18.1**	**15.8**
	PM 2.5	ug/m^3	60	25.6	23.4	19.8	18.4	16.2	20.4	**16.2**	**25.6**	**20.6**
Near Secondary Crusher House	PM 10	ug/m^3	100	47.8	48.9	45.6	47.6	49.6	45.3	**45.3**	**49.6**	**47.5**
	SO_2	ug/m^3	80	11.6	13.7	9.8	10.6	9.9	10.2	**9.8**	**13.7**	**11.0**
	NO_2	ug/m^3	80	18.6	19.8	15.0	17.0	16.3	14.5	**14.5**	**19.8**	**16.9**
	PM 2.5	ug/m^3	60	23.8	25.1	23.4	22.7	24.5	23.4	**22.7**	**25.1**	**23.8**
Outside of the Plant Premise												
Near TPP Gate	PM 10	ug/m^3	100	42.3	46.1	42	41.1	39.5	34.8	**34.8**	**46.1**	**41.0**
	SO_2	ug/m^3	80	12.3	13.7	11.8	10.2	8.8	9.7	**8.8**	**13.7**	**11.1**
	NO_2	ug/m^3	80	16.8	18.0	15.2	16.6	15.2	14.2	**14.2**	**18.0**	**16.0**
	PM 2.5	ug/m^3	60	23.1	24.9	20.2	23.5	21.3	19.8	**19.8**	**24.9**	**22.1**
At Rampura Village	PM 10	ug/m^3	100	42.8	43.8	41.8	44.3	43.7	46.3	**41.8**	**46.3**	**43.8**
	SO_2	ug/m^3	80	9.9	11.1	11.6	11.1	12.4	10.5	**9.9**	**12.4**	**11.1**
	NO_2	ug/m^3	80	16.5	18.7	16.1	17.2	18.4	15.3	**15.3**	**18.7**	**17.0**
	PM 2.5	ug/m^3	60	24.1	26.1	25.3	27.6	26.9	29.6	**24.1**	**29.6**	**26.6**
At Lodhpur Village	PM 10	ug/m^3	100	40.3	39.6	38.5	42	42.2	44.8	**38.5**	**44.8**	**41.2**
	SO_2	ug/m^3	80	10.5	12.9	9.2	9.9	9.6	10.9	**9.2**	**12.9**	**10.5**
	NO_2	ug/m^3	80	15.1	16.2	14.2	14.3	15.5	13.4	**13.4**	**16.2**	**14.8**
	PM 2.5	ug/m^3	60	26.8	28.7	23.8	25.4	28.4	24.7	**23.8**	**28.7**	**26.3**

xvii).	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the state pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at http://www.envfor.nic.in	**Complied.** The grant of EC to Gujarat Cement Works was published in Two local newspaper out of which one in vernacular language. Newspaper's cutting is given below for your reference.

	 
xviii).	A separate environment-monitoring cell with qualified staff shall be set up for implementation of the stipulated environment safeguards.	**Complied.** Environment Cell has been established in Gujarat Cement Works equipped with efficient and qualified personnel under the control of Senior Executive. Environment monitoring is outsourced by NABL accredited Lab.
xix).	A half yearly report on the status of implementation of the stipulated condition and environmental safeguards shall be submitted to this Ministry/ Regional Office/CPCB/SPCB.	**Being Complied.** We are regularly submitting the six monthly compliance report and monitoring data along with statistical interpretation to GPCB/CPCB/MoEFCC.
xx).	Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated condition. Complete set of Environmental Impact assessment Report and Management Plan shall be forwarded to the Regional Office for their use during monitoring.	**Noted and Complied with**.
xxi).	Separate funds shall be allocated for implementation of environmental protection measures along with item -wise break-up. The cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure shall be reported to Ministry.	**Being Complied.** We have allocated the fund for the implementation of various condition. The total expenditure on environment i.e. complying stipulated conditions during **Apr-23 to Mar-24** are as under, Total recurring Expenditure- **Rs.296.45 Lacs**. Funds allocated under this head are not used for any other purpose.
xxii).	Full cooperation shall be extended to the scientists/officers from the Ministry/Regional Officer of the Ministry at Bhopal /the CPCB/the SPCB who would be monitoring the compliance of environmental status.	**Noted & Complied with.**