

ADITYA BIRLA



UltraTech

Ref. No. UTCL/Tanda/Env/2024/22

August 23, 2024

To

**The Member Secretary,**

Uttar Pradesh Pollution Control Board,

TC-12<sup>th</sup>, Vibhuti Khand, Gomtinagar, Lucknow – 226010

**Sub: Environment Statement Report of UltraTech Cement Limited (Unit: Tanda Cement Works) for the financial year ending the 31<sup>st</sup> March 2024**

**Ref: 194815/UPPCB/Faizabad(UPPCBRO)/CTO/both/Ambedkar Nagar/2023 dated 22/12/2023**

Dear Sir,

This is with reference to aforesaid subject and referred Consent to Operate granted by the U.P. Pollution Control Board under the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

Hereby, we are pleased to submit Environment Statement Report in Form-V for the Financial Year 2023-24 for our UltraTech Cement Limited (Unit-Tanda Cement Works) at Village Kanhaura, Post: Husainpur Sudhana, Near NTPC Tanda, Distt. Ambedkarnagar, Uttar Pradesh.

This is for your information and record please.

Thanking you,

Yours faithfully,

For & behalf of

**UltraTech Cement Limited (Unit: Tanda Cement Works)**

**Nagesh Upadhyay**

Asst. Vice President & Unit Head



Encl: Environmental Statement Report (FY'2023-24)

Copy to:

- **The Regional Officer**, U.P. Pollution Control Board, 1/17/104, Ram Nagar Colony, Ayodhya (U.P.)
- **Regional Directorate (Lucknow)**, Central Pollution Control Board, 3<sup>rd</sup> Floor, B-Block Picup Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow, Uttar Pradesh 226010
- **The Deputy Director General of Forests (C)**, Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector H, Aliganj, Lucknow, Uttar Pradesh 260224



UltraTech Cement Limited  
(Unit : Tanda Cement Works)

Post : Husainpur Sudhan, Near NTPC, Tanda, Distt. Ambedkarnagar (UP) - 224190

T : +915273 284626,284429 | W : www.ultrarechcement.com

Registered Office: 'B' Wing, Ahura Centre, 2nd Floor, Mahkali Caves Road, Andheri (East), Mumbai - 400 093

T : +9122 6691 7800 | CIN : L26940MH2000PLC128420

डाक प्राप्ति रसीद  
प्राप्ति दिनांक 30/8/24  
पदाधिकारी के हस्ताक्षर  
उप. प्रदू. नियंत्रण बोर्ड, लखनऊ

**ENVIRONMENT STATEMENT  
REPORT  
(FORM – V )**

**2023-2024**

**FOR**

**M/s. UltraTech Cement Limited  
(Unit: Tanda Cement Works)**

**At  
Post : Husainpur Sudhan,  
Near NTPC Tanda,  
District: Ambedkarnagar (UP)**

**SUBMITTED BY**

**APPLICANT**



**M/s. Ultratech Cement Limited**  
(Unit: Tanda Cement Works)  
Post: Husainpur Sudhan,  
Near NTPC Tanda,  
Distt. Ambedkarnagar (UP) - 224190

**CONSULTANT**



**J.M. EnviroLab Pvt. Ltd.**  
Regd. Address: Plot No. 424,  
Ground Floor, Udyog Vihar,  
Phase IV, Gurugram,  
Haryana - 122 015, India



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

**PART – A**

i) Name and address of the owner / occupier of the industry, operation, or process	:	UltraTech Cement Limited (Unit: Tanda Cement Works) Post: Hussainpur Sudhana, Near NTPC Tanda, Distt. Ambedkarnagar (UP) - 224190
ii) Industry category Primary – (STC Code) Secondary – (SIC Code)	:	Red Category
iii) Production capacity	:	1.0 MTPA
iv) Year of Establishment	:	2004
v) Date of the last environmental Statement submitted	:	September 14, 2023

**PART – B**

**Water and Raw Material Consumption**

1) Water consumption m<sup>3</sup>/d

Process : Cement grinding is dry based process so no use of water in process.  
Cooling : 68  
Domestic : 75

Name of Products	Process water consumption per unit of product output (m <sup>3</sup> /t)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
1) Cement	0.030 (m <sup>3</sup> /t)	0.020 (m <sup>3</sup> /t)

2) Raw material consumption

Name of Raw Materials		Name of Product	Consumption of raw material per unit of output	
			During the previous financial year (2022-23)	During the current financial year (2023-24)
Clinker	t/t	Cement	0.65	0.64
Gypsum	t/t		0.016	0.018
Fly Ash	t/t		0.34	0.34

3) Power consumption Kwh/Per Ton of Cement.

During the previous financial year (2022-23)	During the current financial year (2023-24)
32.32	27.82



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

4) Total Cement Production

Total Cement Production	Production of Cement (MT)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
Cement	9.75 Lakh Metric Ton	9.42 Lakh Metric Ton

**PART – C**

**Pollution discharged to environment/unit of output.**

**(Parameter as specified in the consent issued)**

1) Pollutants	Quantity of pollutants discharged (mass/day) i.e., Ton/day	Concentrations of pollutants in discharges (mass/day) i.e., Ton/day	Percentage of variation from prescribed standards with reasons
a) Water (Effluent)	Grinding unit is based on dry process and no any effluent water is generated from the process. Wastewater generating from domestic usage is being treated in the STP and reused in the dust suppression and horticulture activities.		
b) Air (PM)	0.022	0.000014	-36.65

Note: Percentage of variation is lower from prescribed standards due to uninterruptedly operation and maintenance of Baghouse equipped with cement mill stack.

**PART – D**

**HAZARDOUS WASTES**

(As specified under Hazardous Wastes (Management & Handling & Trans boundary Movement Rules)

Hazardous Wastes	Total Quantity (MT)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
1. Used/ Spent Oil (Cat-5.1)	2.86	1.44
2. Waste Oils (Cat. 5.2)	0.00	0.00

- a) From Process: Not Applicable
- b) From pollution control facilities: Not Applicable



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

**PART – E**

**Solid Wastes**

Solid Wastes	Total Quantity (Metric Ton)	
	During the previous financial year (2022-23)	During the current financial year (2023-24)
a) From process:	Nil	Nil
b) From pollution control facilities	Dust collected through Bag house and Bag filters is recycled in the process itself.	
(i) Qty. recycled or reused with in the unit. (ii) Sold (iii) Disposed	There is no solid waste generation from the plant process. The sludge generated from the STP is being utilized as compost in gardening activities.	

**PART – F**

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

**Hazardous Waste:** Used oil Cat. 5.1 and waste oil Cat. 5.2, generating from our plant machineries or gear box is temporarily stored in the dedicated storage shed and sold as per the Hazardous Waste Management Rules, 2016.



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**



**J. M. ENVIROLAB PVT. LTD.**

CH No. 1174220HR3011PTCMB5756

25 years of success

Approved from MoEF&CC & Certified - ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

**TEST REPORT**

Name and address of unit:	M/s. Ultratech Cement Limited Unit: Tanda Cement Works, at village Kanhora, P.O. Hussainpur Sudhana, Near NTPC, Tehsil- Tanda, District- Ambedkar Nagar, Uttar Pradesh	Report No.:	JME/O/240302001/N
Sample Description:	Used Oil	Reporting Date:	06/03/2024
Sampling Location :	Cement Plant	Analysis Completion Date:	08/03/2024
Sample Collected by:	JMEPL TEAM	Analysis Start Date:	02/03/2024
Contact Person:	Mr. Rajkumar Singh (Asst. Manager ENV.)	Receipt Date:	02/03/2024
		Sampling Date:	01/03/2024
		Sampling Type:	Grab
		Packing Status :	Temporary Sealed

**TEST RESULTS**

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Polychlorinated biphenyls (PCBs)	As Per CPCB Guidelines	BDL (DL 2.0)	ppm	<2.0
2.	Lead	As Per CPCB Guidelines	19.04	ppm	100
3.	Arsenic	As Per CPCB Guidelines	0.63	ppm	5
4.	Cadmium + Nickel + Chromium	As Per CPCB Guidelines	26.38	ppm	500
5.	Poly Aromatic Hydrocarbon (PAH)	As Per CPCB Guidelines	0.41	%	6

Note- Limit as per Schedule V (see Rules 3(36) and 3(39)) Part A

**Hazardous waste analysis report**

**Solid Waste:** Dust collected through Bag house and Bag filters is recycled in the process itself. The scrap generated from maintenance activities viz. metal pieces, wooden planks etc. are collected and sold to outside parties for re-use. Total fly ash sourced from the Thermal Power plants during the year 2023-24 is 3,21,486 MT, which is used for manufacturing of PPC.

**Biodegradable Waste:** generating from our residential colony and guest house is being disposed-off in bio-gas plant and gas generating from biogas plant is being used for cooking in our guest house.



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

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**PART – G**

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

UltraTech Cement Ltd. is a flagship company of the Aditya Birla Group is committed to sustainable development and play a constructive role in Building “A Green and Clean Environment” by adoption of state-of-the-art-technology.

- To control particulate emissions, air pollution control devices have been installed at different locations covering all transfer point in unit.
- Grinding cement is based on dry process and no effluent generated from the process. Rainwater Water Harvesting system is in practice to conserve the water resources. Sewage/wastewater generating from domestic usage is being treated in STP and 100% reused in horticulture & dust suppression activities.
- The plant is equipped with appropriate Pollution Control System and its schedule maintenance and upkeeps is being done regularly to meet the environmental norms and plant performance.
- On regular basis environment monitoring done by the NABL Accredited Laboratory and report is being submitted to the U.P. Pollution Control Board, Ayodhya & Lucknow.
- In the cement manufacturing process, we are using fly ash approx. 34% of total raw materials such initiatives contribute towards conservation of natural resource (i.e., limestone) and air pollution issues due to fly ash generated from power plants as well.



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

**PART – H**

**Additional measures/investment proposal for environmental protection including abatement of Pollution, Prevention of pollution.**

The performance of pollution control equipment's i.e., Bag House and Bag Filters installed has kept the PM emission levels of stack at a significant lower level from the prescribed limit of 30 mg/Nm<sup>3</sup>. The entire picture of the pollution control is well within the framework of the standard limits prescribed by the regulatory authorities and the consent condition laid by U.P. Pollution Control Board. The expenditure on the environment protection measures during FY2023-24 are as below.

Sr. No.	Particulars	Rs. in Lacs
1	Environmental monitoring	6.60
3	Environment monitoring equipment calibration	0.46
4	Environment personnel and helper wages	1.42
5	Green belt development	0.77
6	Sewage Treatment Plant Operation and Maintenance	8.06
7	APCEs operation and maintenance (excluding energy)	7.70
8	Online monitoring equipment operation and maintenance	3.46
9	Sweeping machine operation and maintenance	3.89
10	Manual cleaning and housekeeping	13.0
11	Water spraying in yard and roads by tankers	14.25
	<b>Sum of Rs.</b>	<b>59.61</b>



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

**PART – I**

**Any other particulars for improving the quality of the environment.**

In the Cement Manufacturing Process, we are utilizing considerable amount of Fly Ash that is approximately 34% of total raw materials such initiatives contribute towards conservation of natural resource (i.e., limestone) and prevents air pollution issues due to fly ash generated from power Plants.

Industrial and residential area spreaded over 8.59 ha and out of the total land area approx. 2.90 ha area covered under greenery it is around >33% of total area. Besides, in this year under mega plantation derives of U.P. Govt. we have planted 3500 nos. of saplings in and around our plant premises.



Photo: Tree Plantation



Photo: Tree Plantation



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**Bio-Gas Plant:**

Biodegradable waste generated from our residential colonies and guest house is being collected from door to door and it is processed in Bio-gas plant. Biogas generation from biogas plant is being used for cooking in guest house.



Photo: Environment awareness program organized with the collaboration of DFO



Phot: Environment awareness program with employees



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

The plant is equipped with appropriate Pollution Control System (i.e., Bag House & Bag Filters) and its schedule maintenance and upkeeps are being done regularly to meet the environmental norms and plant performance. On regular basis environment monitoring done by the NABL Accredited Laboratory and report is being submitted to the U.P. Pollution Control Board, Ayodhya & Lucknow.

**Air pollution control measures being adopted are as below: -**

- Cement mill stack is attached to bag house.
- 13 number of bag filters installed at various transfer points.
- Covered Conveying System provided for transfer of raw materials inside the plant.
- Fly ash is being received through closed bulkers & fed into silo through pneumatic system.
- Gypsum is being stored in the covered shed having storage capacity of 1000 MT.
- Regular water sprinkling is being done through truck mounted water mist/fogging system.
- Internal roads are paved in order to reduce the fugitive dust emission inside plant premises.
- PUC certified vehicles are being used and proper maintenance of vehicles is being done.
- Out of 8.59 ha of area 2.92 ha (i.e. ~ 33.99% of the total area) covered under greenery.
- Trees have been planted along the Plant Boundary which helps to arrest fugitive dust and prevent it from spreading outside from the plant boundary.



**Covered storage shed and conveyor belts**



**Bag House attached with cement mill stack**



**Mechanized truck tippler equipped with bag filter and curtain**



**Cement storage silo**



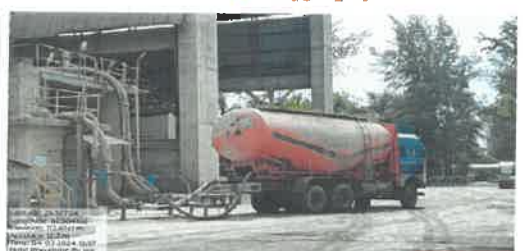
**Fogging system at Railway Siding**



**Truck mounted fogging system**



**Water Tanker for water sprinkling**



**Pneumatic system for fly ash unloading**



**FORM – V**  
**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

**Environment Monitoring Data**

<b>Stack Monitoring Data</b>	
Stack No.	S-1
Stack Name	Cement Mill
Parameter	PM
Std Limit (mg/Nm <sup>3</sup> )	30
Apr-23	21.7
May-23	23.4
Jun-23	14.2
Jul-23	12.4
Aug-23	19.8
Sep-23	20.2
Oct-23	19.8
Nov-23	18.9
Dec-23	19.3
Jan-24	19.3
Feb-24	20.2
Mar-24	18.9
Minimum	12.4
Maximum	23.4
Average	19.0

**Ambient Air Quality**

Location 1: Plant Gate Back Side															
Std Limit	PM 2.5			PM 10			SO <sub>2</sub>			NO <sub>x</sub>			CO		
	60 µg/m <sup>3</sup>			100 µg/m <sup>3</sup>			80 µg/m <sup>3</sup>			80 µg/m <sup>3</sup>			2 mg/m <sup>3</sup>		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Apr-23	43.50	47.67	45.57	75.77	83.30	78.99	6.05	11.20	7.51	11.15	21.40	13.92	0.68	0.96	0.90
May-23	37.10	51.17	47.84	70.70	86.80	81.32	7.45	9.55	8.46	13.35	21.80	15.89	0.70	0.93	0.87
Jun-23	41.50	55.57	51.69	75.10	91.20	85.17	7.45	11.40	8.76	13.35	21.80	15.89	0.70	0.93	0.91
Jul-23	25.10	39.17	35.84	58.70	74.80	69.32	7.45	10.60	8.66	10.35	18.80	13.06	0.70	0.93	0.87
Aug-23	31.51	37.21	35.80	55.98	64.61	61.04	4.16	6.61	5.54	13.90	16.41	15.36	0.80	0.92	0.86
Sep-23	32.40	40.12	35.56	37.99	67.90	51.07	4.40	6.80	5.26	9.60	12.50	10.76	0.69	0.73	0.71
Oct-23	34.26	39.20	36.65	42.76	53.76	48.68	4.10	6.20	5.31	9.30	11.10	10.39	0.60	0.74	0.70
Nov-23	25.33	36.36	31.79	45.45	58.33	53.25	5.00	7.00	5.51	10.00	13.00	11.06	0.73	0.81	0.78
Dec-23	27.83	35.95	32.07	47.26	55.78	51.77	4.80	6.10	5.35	10.20	12.00	11.01	0.73	0.82	0.00
Jan-24	29.90	36.82	32.89	32.62	58.33	47.15	4.50	7.10	5.59	11.20	19.30	16.44	0.72	0.81	0.77
Feb-24	30.10	36.50	34.86	55.82	63.20	60.09	4.00	5.20	4.60	13.60	15.50	14.42	0.64	0.76	0.70
Mar-24	27.65	35.22	31.26	44.22	58.76	53.33	8.30	11.40	10.34	10.20	13.50	11.40	0.74	0.83	0.79

Location 2 : Near Main Gate															
Std Limit	PM 2.5			PM 10			SO <sub>2</sub>			NO <sub>x</sub>			CO		
	60 µg/m <sup>3</sup>			100 µg/m <sup>3</sup>			80 µg/m <sup>3</sup>			80 µg/m <sup>3</sup>			FY25		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Apr-23	45.21	48.97	47.12	69.40	84.60	79.24	6.23	12.90	7.88	11.33	23.10	14.29	0.78	0.94	0.89
May-23	47.60	53.67	51.34	70.60	89.30	83.50	6.88	13.10	8.47	12.73	23.50	15.56	0.72	0.88	0.84
Jun-23	51.30	57.37	55.04	74.30	93.00	87.20	6.82	13.04	8.41	12.67	23.44	15.50	0.66	0.82	0.78
Jul-23	37.13	43.20	40.87	60.13	78.83	73.03	8.41	14.63	10.00	11.26	22.03	14.09	0.72	0.93	0.85
Aug-23	30.26	35.96	34.33	57.83	63.36	60.47	3.71	5.36	4.61	12.65	15.66	14.00	0.78	0.88	0.83
Sep-23	33.04	41.67	37.11	47.83	62.20	53.36	5.30	7.40	6.21	10.40	14.90	11.99	0.73	0.90	0.86
Oct-23	35.46	40.27	38.04	48.25	53.10	50.54	5.20	7.00	5.86	10.20	13.10	11.85	0.85	0.92	0.89
Nov-23	29.17	39.13	34.74	43.48	60.00	54.28	5.30	7.50	6.08	9.40	15.10	11.73	0.80	0.80	0.77
Dec-23	29.37	38.70	34.31	42.95	58.69	53.31	7.40	6.09	6.09	9.80	14.70	11.65	0.74	0.81	0.78
Jan-24	30.10	39.96	35.49	51.35	59.75	55.26	5.70	7.30	6.19	10.40	13.00	11.51	0.74	0.82	0.78
Feb-24	30.10	36.64	34.80	58.92	63.20	60.93	4.20	5.80	5.07	13.60	15.50	14.47	0.62	0.72	0.67
Mar-24	28.25	34.29	31.38	47.26	57.75	53.41	7.80	9.40	8.51	10.20	13.50	11.34	0.73	0.82	0.77



**FORM – V**

**Environment statement for the financial year ending the 31<sup>st</sup> March 2024**

Location 3 : Near D G House															
STD Limit	PM 2.5			PM 10			SO2			NOx			CO		
	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3			2 mg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Apr-23	42.60	47.12	44.98	69.30	82.75	77.61	6.55	11.00	7.92	11.65	19.70	14.14	0.71	0.89	0.84
May-23	43.30	50.32	47.87	70.40	85.95	80.54	7.20	11.20	8.51	13.05	20.00	15.41	0.70	0.93	0.84
Jun-23	45.70	52.72	50.27	72.80	88.35	82.94	7.23	11.23	8.54	13.08	20.03	15.44	0.73	0.96	0.87
Jul-23	31.30	43.00	36.65	58.40	73.26	66.97	7.20	11.20	8.51	10.05	17.00	12.64	0.70	0.93	0.84
Aug-23	32.76	37.41	35.42	61.17	63.36	61.52	5.91	6.61	5.46	15.15	16.91	15.42	0.80	0.88	0.84
Sep-23	33.80	46.22	39.50	45.83	68.50	55.92	6.40	8.50	7.26	12.50	16.70	13.91	0.90	0.94	0.92
Oct-23	36.66	42.93	39.84	43.67	51.95	48.82	6.80	7.40	7.11	12.10	14.50	13.10	0.90	0.96	0.93
Nov-23	25.33	36.36	31.15	45.45	58.33	53.25	5.00	7.00	5.51	10.00	13.00	11.06	0.73	0.81	0.78
Dec-23	27.65	36.54	31.58	44.22	58.76	52.50	4.80	6.20	5.46	10.20	12.70	11.14	0.72	0.83	0.78
Jan-24	25.21	39.82	33.74	41.67	59.78	52.71	4.00	5.70	4.61	8.00	15.60	11.83	0.74	0.82	0.79
Feb-24	30.10	36.00	34.63	58.60	63.20	60.74	7.80	9.20	8.55	13.60	15.50	14.63	0.64	0.72	0.68
Mar-24	27.65	35.20	30.60	44.22	58.76	53.41	8.80	10.20	9.59	10.20	12.70	11.43	0.76	0.83	0.79

Location 4 : UTCL Colony (Near Temple)															
Std Limit	PM 2.5			PM 10			SO2			NOx			CO		
	60 µg/m3			100 µg/m3			80 µg/m3			80 µg/m3			2 mg/m3		
Month	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Apr-23	31.50	48.49	44.79	66.90	84.12	78.50	6.80	9.80	7.99	11.90	18.40	14.20	0.72	0.88	0.83
May-23	32.00	51.29	47.30	68.00	86.92	81.09	7.51	10.00	8.63	13.30	18.70	15.46	0.68	0.84	0.80
Jun-23	34.70	53.99	50.00	70.70	89.62	83.79	7.55	10.04	8.67	13.34	18.74	15.50	0.72	0.88	0.84
Jul-23	21.53	40.82	36.09	51.53	70.45	63.28	9.04	11.53	10.16	11.83	17.23	14.12	0.68	0.84	0.80
Aug-23	30.26	36.16	34.23	56.53	63.36	60.00	3.11	5.36	4.15	12.51	15.66	14.15	0.76	0.87	0.82
Sep-23	25.40	41.67	31.87	35.40	62.70	49.85	3.00	4.50	3.71	7.00	14.00	11.57	0.62	0.66	0.64
Oct-23	27.20	33.54	30.58	46.83	53.37	50.51	3.60	4.30	4.00	8.00	13.00	13.00	0.61	0.66	0.63
Nov-23	29.17	37.45	33.19	42.02	57.08	51.43	4.80	8.50	6.95	11.00	16.70	13.55	0.60	0.83	0.77
Dec-23	29.08	36.25	32.67	44.65	56.64	50.94	5.50	8.20	6.83	10.70	14.20	12.71	0.68	0.82	0.78
Jan-24	20.83	38.89	32.23	43.48	55.00	48.88	4.30	7.50	5.56	8.25	15.00	12.18	0.75	0.81	0.79
Feb-24	30.10	36.50	34.70	57.62	63.20	60.46	4.00	5.20	4.61	13.60	15.50	14.61	0.60	0.71	0.66
Mar-24	27.65	35.22	31.18	44.22	58.76	52.42	4.80	6.60	5.58	10.20	13.30	11.37	0.66	0.83	0.76

Ambient Noise Level Monitoring													
	Apr-23		May-23		Jun-23		Jul-23		Aug-23		Sep-23		
	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	
Prescribed Limits dB (A) Leq	75	70	75	70	75	70	75	70	75	70	75	70	
Colony (Near Temple)	50.8	42.9	51.6	43.6	51.4	40.5	51.0	38.2	52.4	38.8	50.6	40.3	
Near Main Gate	68.3	59.8	66.5	58.3	61.8	55.2	61.8	53.5	64.5	53.4	63.4	55.6	
Near D G House	51.8	47.6	52.7	48.4	62.6	54.3	61.2	53.2	59.5	51.8	60.5	52.7	
Plant Gate Back Side	61.9	58.4	60.3	56.9	48.7	32.6	49.4	31.8	61.2	43.4	62.4	47.6	
Railway Siding	61.5	57.1	62.5	58.0	54.8	43.6	56.4	41.3	58.5	44.0	57.9	48.4	
Minimum	50.8	42.9	51.6	43.6	48.7	32.6	49.4	31.8	52.4	38.8	50.6	40.3	
Maximum	68.3	59.8	66.5	58.3	62.6	55.2	61.8	53.5	64.5	53.4	63.4	55.6	

Ambient Noise Level Monitoring													
	Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24		
	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	Day time	Night Time	
Prescribed Limits dB (A) Leq	75	70	75	70	75	70	75	70	75	70	75	70	
Colony (Near Temple)	52.1	39.9	52.8	42.5	56.2	44.8	53.9	42.8	60.2	45.9	57.4	45.8	
Near Main Gate	64.5	52.8	65.8	53.5	67.3	55.7	66.4	52.1	71.2	55.8	67.2	55.4	
Near D G House	60.2	53.3	62.5	52.2	63.7	50.5	63.0	52.5	68.0	52.8	63.9	51.6	
Plant Gate Back Side	61.6	48.5	64.4	48.8	65.2	49.9	63.2	47.6	67.5	51.9	65.5	49.4	
Railway Siding	57.4	47.8	59.6	47.2	61.3	49.6	60.1	46.5	61.7	47.4	66.2	49.1	
Minimum	52.1	39.9	52.8	42.5	56.2	44.8	53.9	42.8	60.2	45.9	63.9	49.1	
Maximum	64.5	53.3	65.8	53.5	67.3	55.7	66.4	52.5	71.2	55.8	67.2	55.4	

\*\*\*\*\*End\*\*\*\*\*

