



UTCL/APCW/ENV/MOEF&CC/2023-24/

Date: 24.11.2023

To,
The Regional Director
Integrated Regional Office,
MoEF&CC, Buckinghampeta, Vijayawada,
Andhra Pradesh - 520002

Sub: Submission of six-monthly Compliance Status Report of the environmental clearance granted by MoEF&CC for expanded capacities of Cement Plant (Phase I, Phase II & Proposed Line III) Located at Village: Bhogasamudhram, Mandal: Tadipatri, Dist.: Ananthapuramu, AP-Reg

Ref: 1. EC Letter No: F. No. J-11011/303/2008-IA-II(I) dated 22nd July 2022
2. Environmental Clearance letter No. J-11011/303/2008 – IA. II (I) Dated: October 08,2008

Dear Sir,

With reference to the above subject, here with we are submitting point wise six monthly compliance status report for the period April-2023 to September-2023 of the environmental clearance letter no F. No. J-11011/303/2008-IA-II(I) dated 22nd July 2022 & J-11011/303/2008 – IA.II (I) Dated: October 08,2008 for expanded capacities of Cement Plant (Phase I , Phase II & proposed Line III) Located at Village: Bhogasamudhram , Mandal : Tadipatri , Dist.: Ananthapuramu, AP

As per MoEF notification S.O.5845 (E) dated 16.11.2018, we are submitting here with the compliance report to your good office through E-mail: ecompliance-ap@gov.in

This is for your kind information and acknowledges the same please.

Thanking you,

Yours faithfully,

For UltraTech Cement Limited
Andhra Pradesh Cement Works


Authorized Signatory

Cc to : i) Regional Director, CPCB Regional,76, Mount salai, Guindy, Chennai-60032.

ii) The Member Secretary, APPCB, Pushpa Hotel Centre, Chalamvari Street, Kasturibaipet, Vijayawada – 520 010.

iii) The Environmental Engineer, R.O., APPCB, Ananthapuramu - 515004



UltraTech Cement Limited

Andhra Pradesh Cement Works : Bhogasamudram, Tadipatri Mandal, Ananthapuramu District, Andhra Pradesh - 515413.
Phone : 08558-288850 | Fax : 08558-288821 | Website : www.ultratechcement.com | CIN: L26940MH2000PLC128420
Regd. Office: 'B' Wing, Ahura Centre, 2nd Floor, Mahakali Caves Road, Andheri (East), Mumbai 400093.

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

EC Compliance Status Report

Name of the Project	:	UltraTech Cement Limited Andhra Pradesh Cement Works Bhogasamudhram (V), Tadipatri (M) Anantapur (Dist.), Andhra Pradesh
Environment Clearance No	:	EC Letter No: F. No. J-11011/303/2008-IA-II(I) dated 22nd July 2022 Expansion of Integrated Cement Plant - Clinker (6.5 to 10 MTPA), Cement (9.0 to 14.0 MTPA) and WHRS (20 to 36 MW) EC: LETTER No: J - 11011/303/2008- IA-II (I) Dated: October 8, 2008 Expansion of Clinker Production 5.4 – 6.5 MTPA and Cement 7.6 – 9.0 MTPA
Period of Compliance Report	:	1 st April 2023 to 30 th September 2023

EC Letter No: F. No. J-11011/303/2008-IA-II(I) dated 22nd July 2022
Expansion of Integrated Cement Plant - Clinker (6.5 to 10 MTPA), Cement (9.0 to 14.0 MTPA) and
WHRS (20 to 36 MW)

Sl. No.	Condition Description	Compliance status
A. Specific conditions:		
(i)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Complied
(ii)	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Will be complied
(iii)	The activities and the action plan proposed by the project proponent to address the issues raised during public hearing and socio-economic issues in the study area shall be completed as per the schedule presented before the Committee and as described in the EIA report in letter and spirit.	Will be complied
(iv)	Particulate matter emissions from all the stacks shall be less than 30 mg/Nm ³ .	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

(v)	Three tier Green Belt shall be developed in a time frame of one year covering 33% of the total land area with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years.	39.9 % completed green cover in the existing plant premises
(vi)	Additional 1300 KLD water will be required for proposed expansion project; which is proposed to be sourced from Ground water, existing rainwater sump at mine site and treated water from STP. Necessary permission shall be obtained from the Competent Authority in this regard. Ground water extraction are allowed only for drinking purpose.	Obtained permission from Ground water department, Vijayawada
(vii)	Project proponent should ensure that ground water assessment is carried out once in two years by a reputed institute and the report of same shall be submitted to IRO, MoEF&CC.	Noted & will be complied
(viii)	All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the run off material.	Will be complied
(ix)	Slip roads shall be provided at the gates and along crossings on main roads.	Will be complied
(x)	All internal and connecting road to the Highway shall be black topped/ concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines	Will be complied
(xi)	Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF&CC.	Will be complied
(xii)	Dioxin and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to the Regional Office of the MoEF&CC.	Will be complied
(xiii)	Project proponent shall develop separate drainage system for storm water and industrial waste water and effectively prevent the pollution of natural waterbody.	Will be complied
(xiv)	Pet coke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.	Will be complied
(xv)	Rain water harvesting shall be carried out as per the action plan submitted in the EIA report.	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

(xvi)	All the recommendations made in the risk assessment report shall be implemented and compliance status in this regard shall be furnished to the Regional Office of the MoEF&CC along with the six-monthly compliance report.	Will be complied
(xvii)	Hydrological study/ ground water leaching study shall be carried out to observe the contamination of Ground water and appropriate mitigation measures shall be adopted.	Will be complied
(xviii)	PP has to ensure to minimize the Pollution due to vehicular movement	Will be complied
(xix)	All vehicles engaged in road transportation shall be covered to stop the pollution due to dust dispersion.	Will be complied
(xx)	Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere. The implementation report shall be submitted to IRO, MoEF&CC.	Will be complied
(xxi)	Project proponent shall develop a control strategy and plan that incorporates the pollution control measures. The Clean Air practices shall be adopted like mechanical collectors, wet scrubbers, fabric filters (baghouses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation.	Will be complied
(xxii)	PP shall conduct study relating to assessment of quartz free silica in the SPM/PM10 within 6 months. The implementation report shall be submitted to IRO, MoEF&CC Sufficient numbers of additional truck mounted	Will be complied
(xxiii)	PP shall monitor the coal dust at coal unloading, crushing, furnace areas and should be within 2 mg/m ³ , respirable dust fraction containing less than 5% quartz as per Indian Factories Act,1948.	Will be complied
(xxiv)	The estimated total annual generated of suspended particulate matter must be documented with details of estimation. The industry should report what is the percentage of the SPM captured by the pollution control systems	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

(xxv)	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.	Will be complied
B. General conditions		
I. Statutory compliance:		
i.	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations., as may be applicable to the project.	We will obtain all statutory approvals from concerned departments
II. Air quality monitoring and preservation		
i.	The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as 4 Nos. Continuous Ambient Air Quality Station (CAAQS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories	Existing Cement Plant CEMS already connected to CPCB & APPCB websites. Proposed plant will be complied
ii.	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.	Will be complied
iii.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Will be complied
iv.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly Ash	Will be complied
v.	The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;	Will be complied
vi.	Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.	Will be complied
III. Water quality monitoring and preservation		

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

i.	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O.3305 (E) dated 7th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Will be complied
ii.	The project proponent shall regularly monitor ground water quality at least twice a year (pre and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.	Will be complied
iii.	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Will be complied
iv.	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off	Will be complied
v.	Water meters shall be provided at the inlet to all unit processes in the cement plant.	Will be complied
vi.	The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Will be complied
IV. Noise monitoring and prevention		
i.	Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Complied
V. Energy Conservation measures		
i.	Waste heat recovery system shall be provided for kiln and cooler.	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

ii.	The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolana Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.	Will be complied
iii.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	Will be complied
iv.	Provide the project proponent for LED lights in their offices and residential areas.	Will be complied
VI. Waste management		
i.	Used refractories shall be recycled as far as possible.	
VII. Green Belt		
i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration by trees in the plant premises.	Will be complied
ii.	Project proponent shall submit a study report within six months on Decarbonization program, which would essentially consist of company's carbon emissions, carbon budgeting/balancing, carbon sequestration activities and carbon offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitorable with defined time frames.	Will be complied
VIII. Public hearing and Human health issues		
i.	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Will be complied
ii.	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.	Will be complied
iii.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	Will be complied
IX. Environment Management		
i.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

	IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.	
ii.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest / wildlife norms/ conditions. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and/ or shareholders/ stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Will be complied
iii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.	Will be complied
X. Miscellaneous		
i.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied.
ii.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Will be complied
iii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Will be complied

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

iv.	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.	Will be complied
v.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Will be complied
vi.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Will be complied
vii.	The project proponent 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, commencing the land development work and start of production operation by the project.	Will be complied
viii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Will be complied
ix.	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left-over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.	Will be complied
x.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Will be complied
xi.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Will be complied

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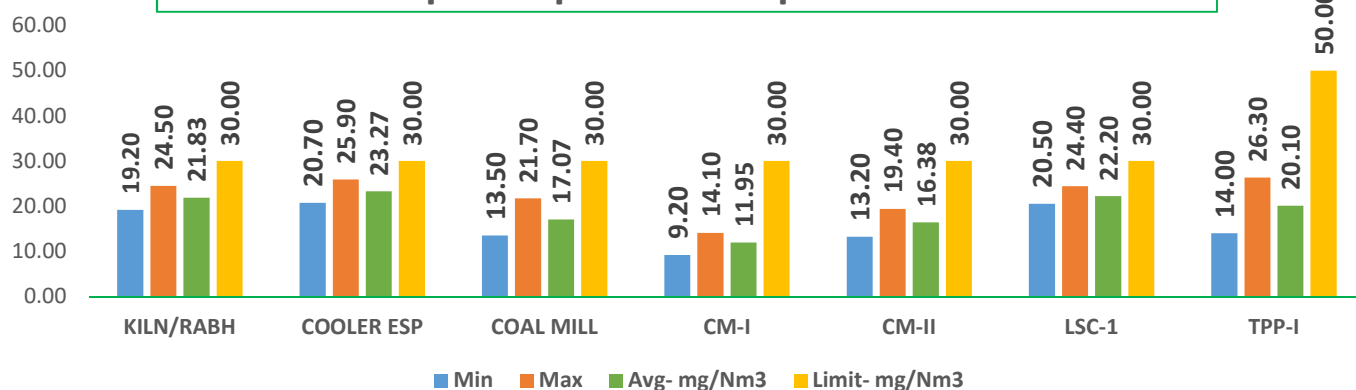
xii.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Will be complied
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Will be complied
xiv.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Will be complied
xv.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Will be complied

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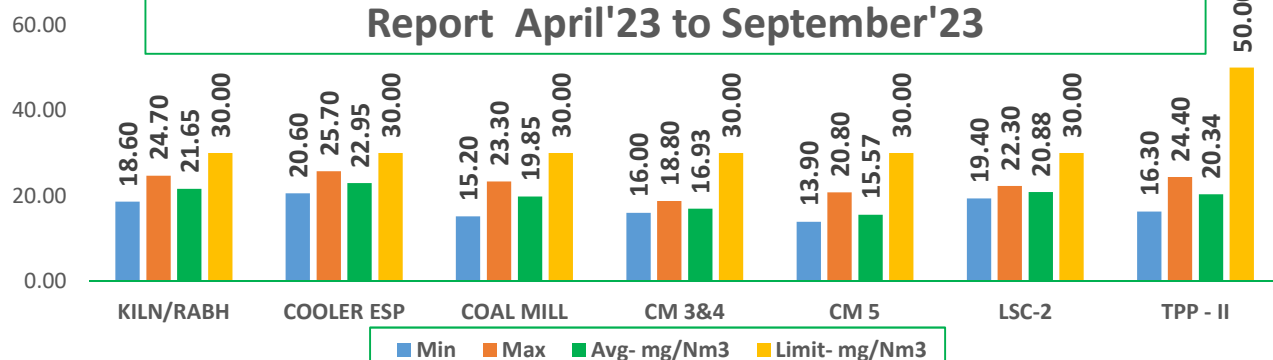
EC: LETTER No: J - 11011/303/2008- IA-II (I) Dated: October 8, 2008
Expansion of Clinker Production 5.4 – 6.5 MTPA and Cement 7.6 – 9.0 MTPA

S. No	Description	Description of Compliance
SPECIFIC CONDITIONS		
1	The company shall provide ESP's to clinker cooler and captive power plant, Bag houses to kiln/raw mill and cement mill and bag filters to lime stone crusher and all other sections to control particulate emission below 100 mg/Nm3	a. ESP's are provided for Clinker cooler and CPP Boilers. b. RABH is provided for Kiln & Raw mill, Bag house for Cement & Coal mills and Bag filters for LS crusher and other sections. c. Enclosed Analysis Reports for RABH, Bag houses & ESP's in in the below. Emission values are complying with MoEF&CC new emission notification Dt 10.05.2016 and analysis report are given the below

Cement Plant Line-1&TPP-1Source Emission Monitoring Report April'23 to September'23

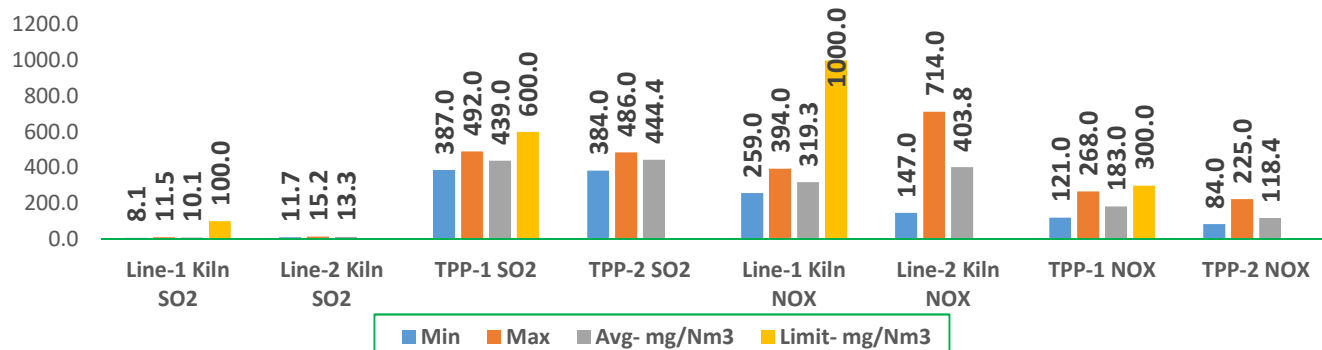


Cement Plant Line-2&TPP-2Source Emission Monitoring Report April'23 to September'23

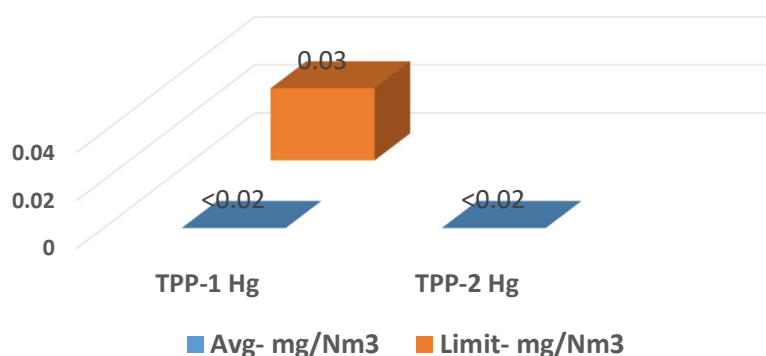


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Cement Plant Line-1&2,TPP-1&2 Source Emission Monitoring Report for April'23 to September'23



TPP-1&2 Hg Monitoring Report for April'23 to September'23



All the Values are expressed in mg/m³

SO₂, NO_x Values are corrected to 10% of Oxygen in Cement Plant& 6 % of Oxygen in TPP

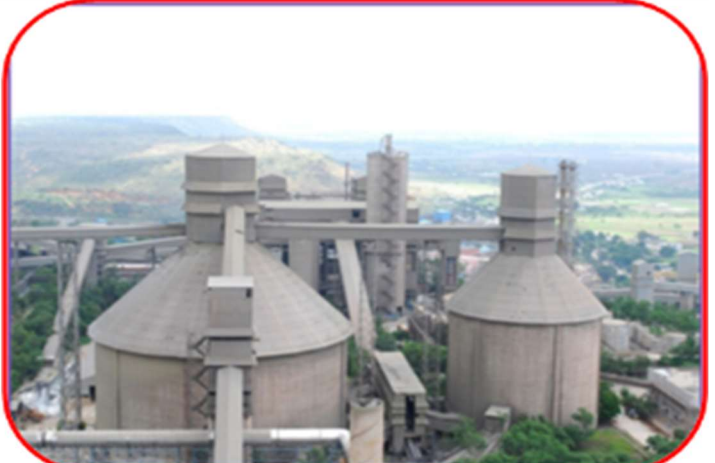
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| 2 | <p>Bag filters shall be provided to control the fugitive emissions generated during material transfer, Packing, loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.</p> | <p>a. 199 + Nos of JPF's are provided in the cement plant including transfer points, raw material hoppers and material handling locations.</p> <p>b. Raw materials (Like Lime Stone, Gypsum, Bauxite etc.) are being stored in a closed covered sheds and clinker is stored in clinker silos</p> <p>c. Pictorial are evidences are given the below</p> |
|---|---|--|

COVERED RAW MATERIAL SHEDS & TRANSPORTATION

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JPFs at Transfer Points



Closed Clinker Storage & Conveyors



Closed LS Shed-Phase II



Closed LS Shed - Phase I



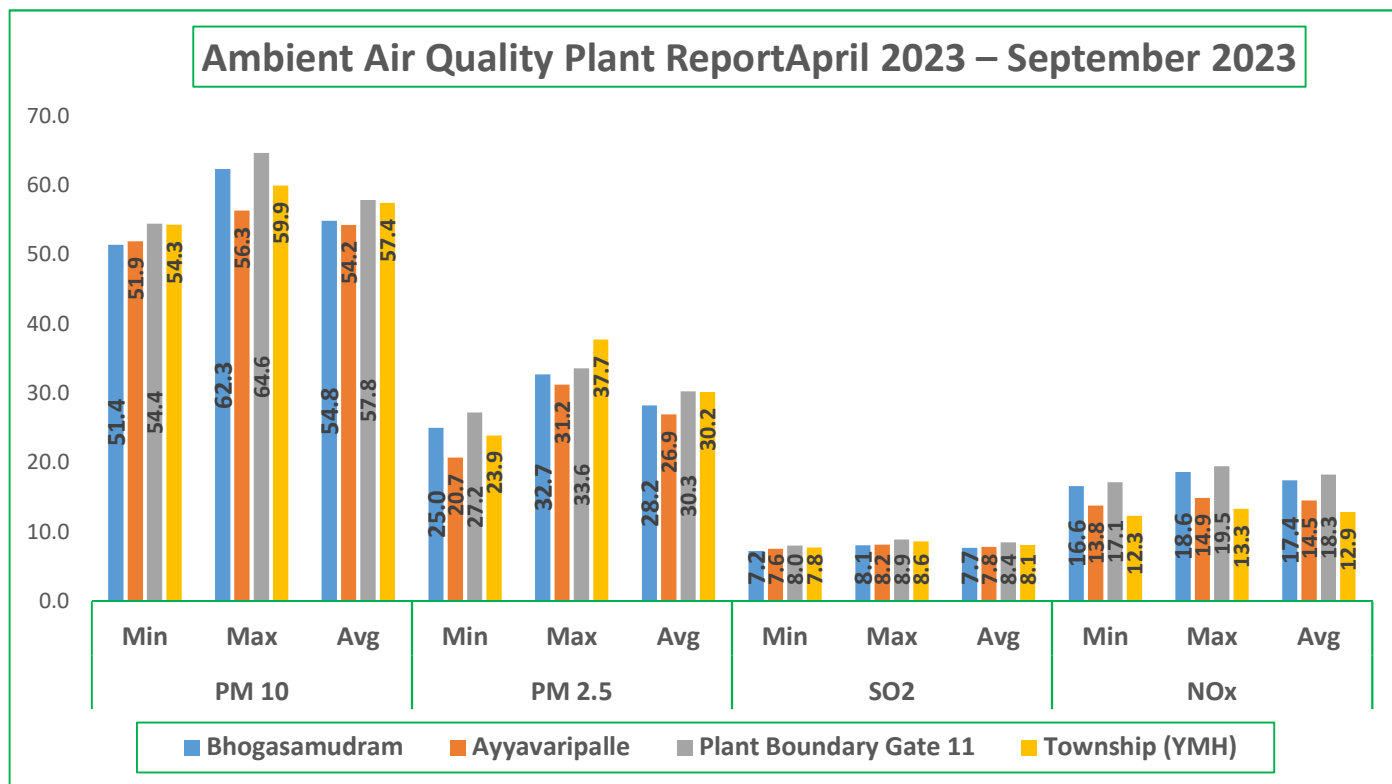
Closed Gypsum Storage Yard



Closed Bauxite Sheds

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3	The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the A. P. Pollution Control Board (APPCB) and additional stations shall be installed, if required in the downwind direction as well as where maximum ground level concentrations are anticipated.	a. Four Air Quality locations have been set-up consulting with APPCB and considering local meteorology and receptors of pollution into consideration and also by executing air quality modeling. b. Monitoring Data for the report period is given below
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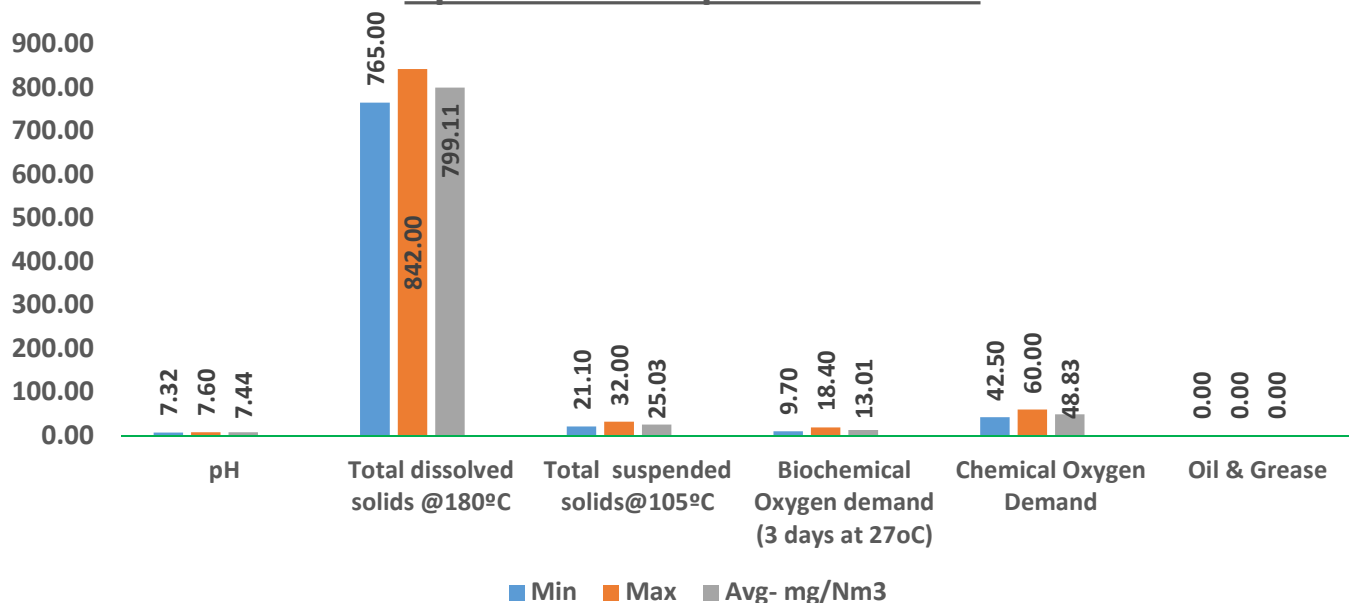
Note: PM10, PM2.5, SO2 & NOx parameters are expressed in $\mu\text{g}/\text{m}^3$

4	Total water requirement shall be met through groundwater. The project authorities shall install sewage treatment plant to treat domestic sewage and treated sewage shall be utilized for the green development. No waste water shall be discharged outside the premises and 'Zero' Discharge shall be ensured	a. The water requirement for plant operations is met from Mines Sump. b. Sewage Treatment Plant of 600 KLD capacities is installed for treating domestic water. The treated waste water is being used for green belt development. Hence 'Zero Discharge' is ensured. c. Analysis reports are in given below
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SEWAGE TREATMENT PLANT-ANALYSIS REPORTS

April 2023 – September 2023



5	The project authorities shall make all-out effort to use high calorific value hazardous waste in the kiln and accordingly, necessary provision in the kiln shall be made.	Provisions are made in Kiln and feeding systems are developed to feed the high calorific value Hazardous waste. 65955 MT Quantity of Hazardous waste and Non- hazardous waste consumed in the FY 2022-2023 up to Sep-2022.
6	The fly ash generated from the captive power plant shall be handled in dry silos and 100 % utilized for manufacturing of cement	a. Fly ash generated from CTPP is stored in silos and transported through bouzers to cement plant and unloaded pneumatically into Silos at cement plant. b.100 % of Fly ash generated from CTPP is used in manufacturing of PPC. c. Total Qty of fly ash generated from CPP for the report period is 23260.30 MT and the same is utilized in Cement plant for PPC manufacturing. The additional fly ash required is being procured from outside power plants d. Pictorial evidences are given below.

FLY ASH UNLOADING PNEUMATICALLY

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7

The project authority shall transport the raw material and the product in covered means.

- a. Raw materials are transported in closed conveyors and JPF's are provided for all the transfer points & Raw material hoppers.
b. Pictorial evidences are given below

RAW MATERIALS TRANSPORTED THROUH CLOSED CONVEYORS



8

The plantation shall be carried out in 97.1 ha as per the guidelines of Central Pollution Control Board to mitigate the effect of fugitive emission.

- a. Total green belt developed in overall plant is 127.9 hectares as on September 2023.
b. Greenbelt photos are given in below.

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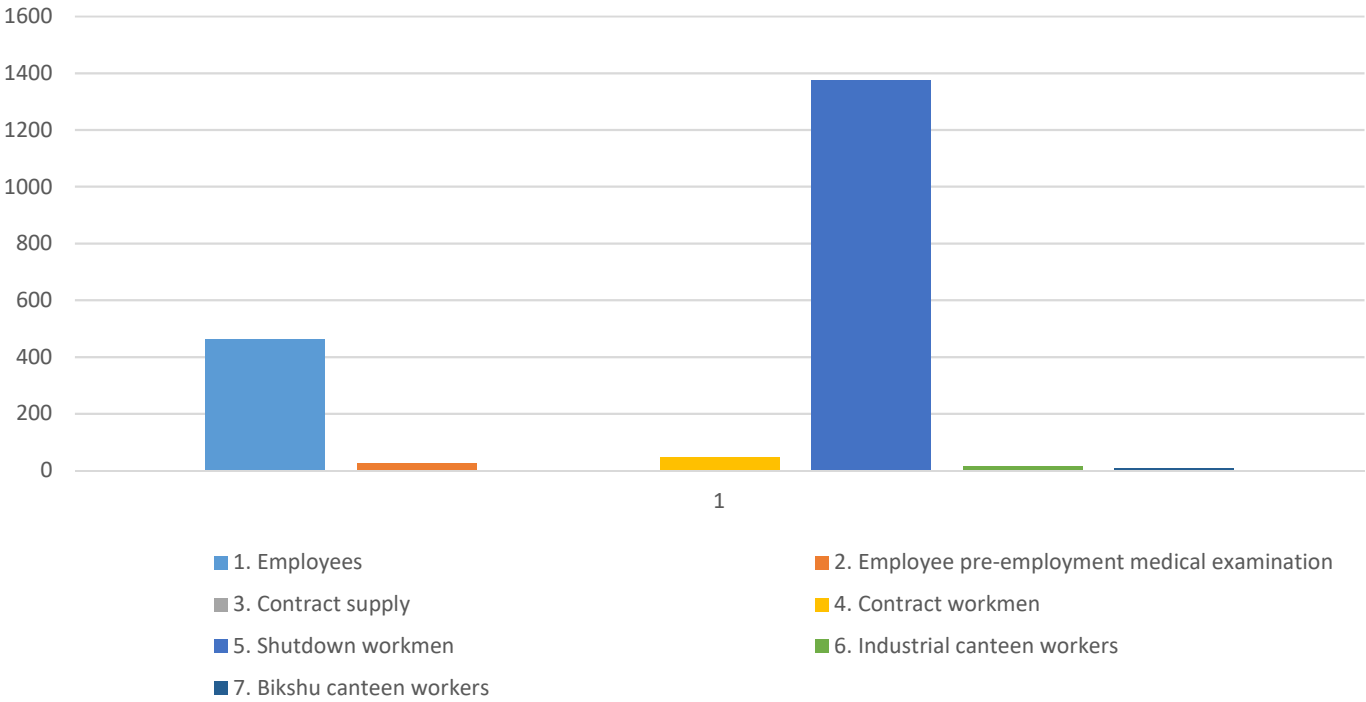


9	The project authorities shall provide a health center with all emergency medicines and ambulance along with full time doctor. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.	a. A full-fledged medical health center exists with Three well-qualified Doctors and paramedical staff, and 3 Nos Ambulances. b. Occupational health survey is carried out by APCW - Medical Center annually. c)Occupational health survey conducted during the report period and records maintained.
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SUMMARY OF OCCUPATIONAL HEALTH REPORT
April 2023 - September 2023

General Health Checkup



10

All the recommendations mentioned in the CREP guidelines for the cement and power plant shall be followed

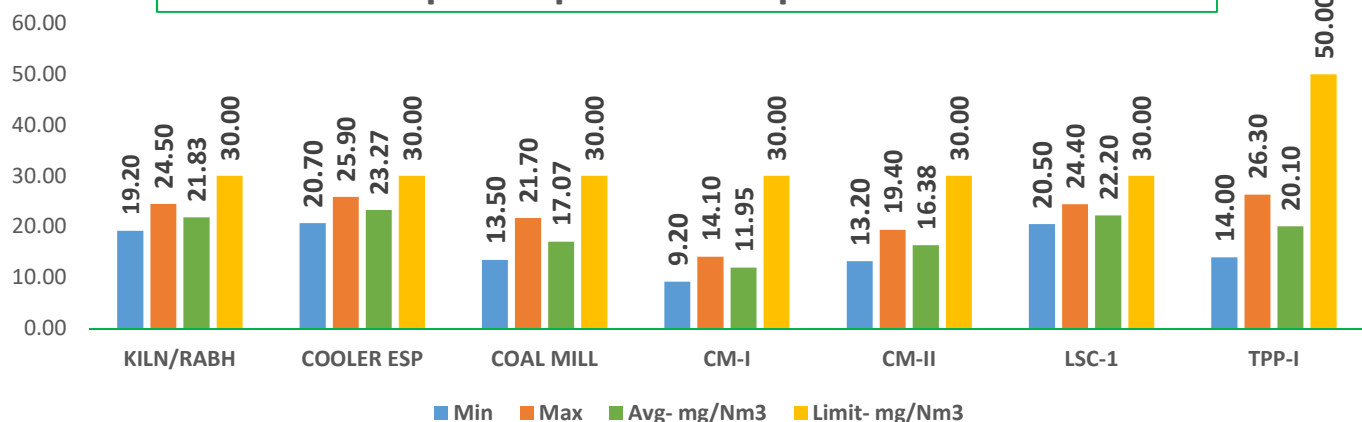
CREP Guidelines are implemented in Cement Plant & Power Plant and being followed

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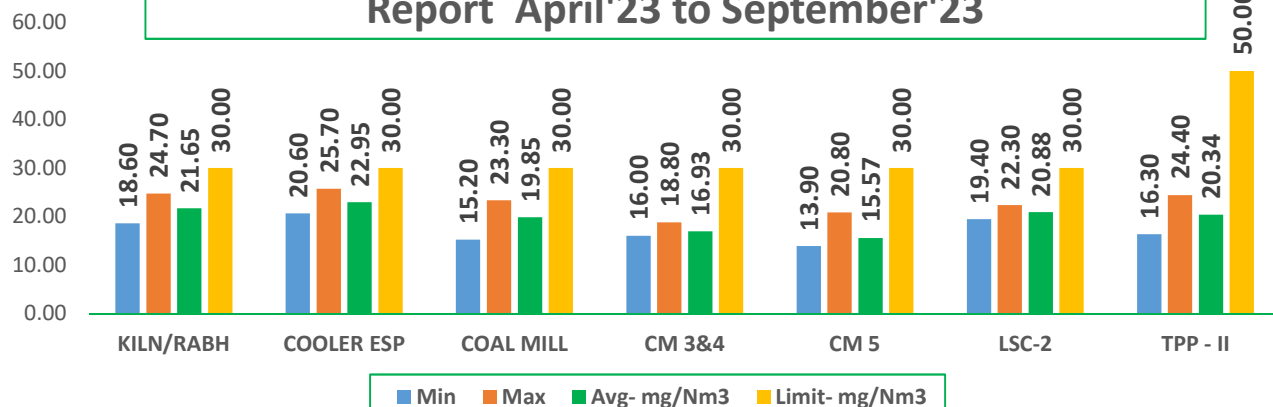
OTHER CONDITIONS		
1	The project authorities shall strictly adhere to the stipulations of the SPCB/state Government or any other statutory body.	The stipulations given by APPCB /State Govt. is being followed.
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forest. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental measures required, if any.	No further expansion or modifications will be made in the plant without prior approval of the Ministry of Environment and Forest
3	The gaseous emissions (SO ₂ , NO _x) and particulate matter levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.	We are complying with revised emission standard prescribed by the MoEF & CC, GOI through notification dt. 10.05.2016 for cement plant. We have changed ESP controller for increased tapping and changed transformer from single phase to 3 phase controllers of ESP to accommodate the new frequency controller. To comply with the NO _x emission standard, we have installed new burner to reduce NO _x emission at Both the Lines. Currently emission levels in all stacks are within the revised emission standard Interlocking is provided for pollution control equipment to trip off the complete system in case of raise in temperature and/or dP levels / failure of pollution control equipment. Monitoring data for the report period of is given below

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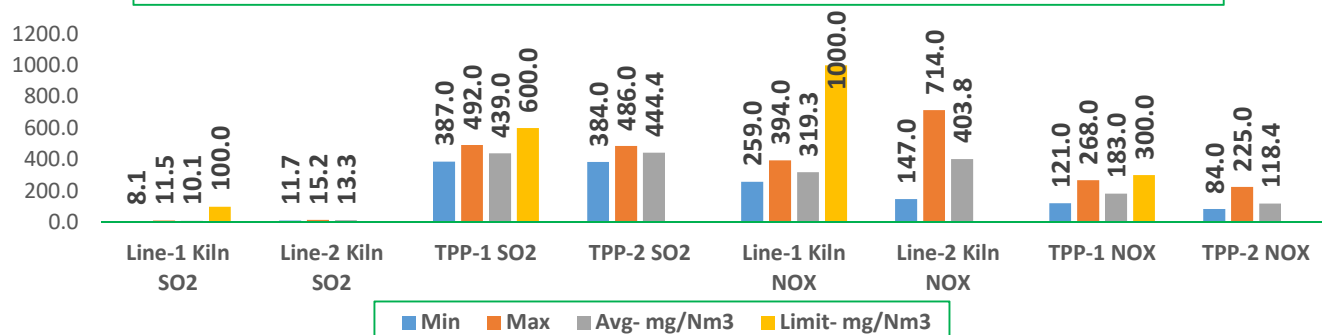
Cement Plant Line-1&TPP-1Source Emission Monitoring Report April'23 to September'23



Cement Plant Line-2&TPP-2Source Emission Monitoring Report April'23 to September'23

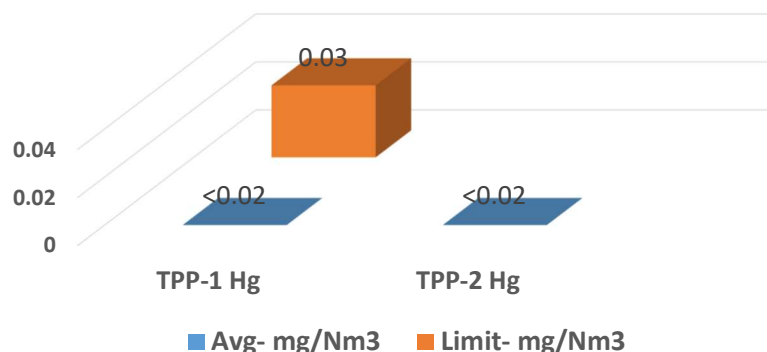


Cement Plant Line-1&2,TPP-1&2 Source Emission Monitoring Report for April'23 to September'23



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TPP-1&2 Hg Monitoring Report for April'23 to September'23



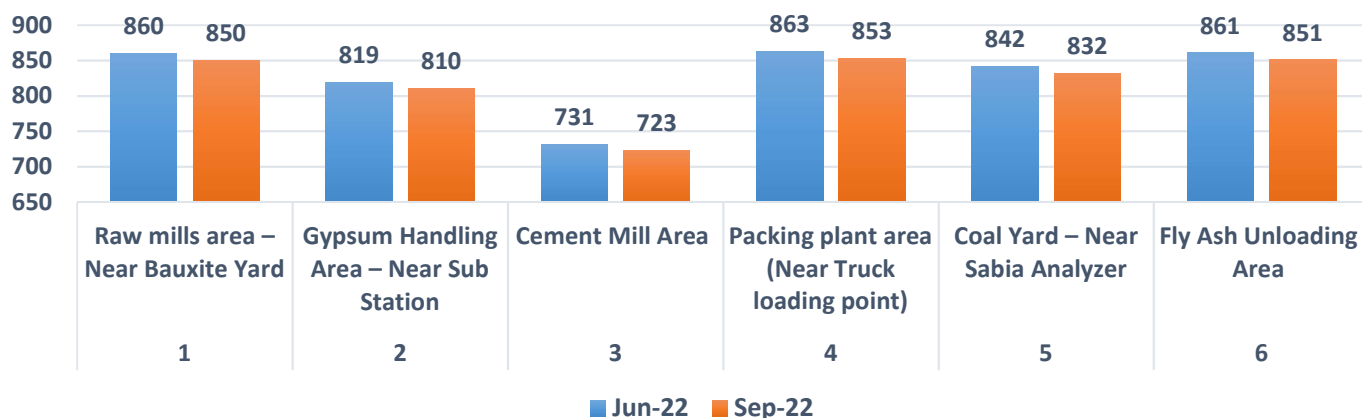
All the Values are expressed in mg/m³

SO₂, NO_x Values are corrected to 10% of Oxygen in Cement Plant& 6 % of Oxygen in TPP

4	The company shall undertake following Waste Minimization measures: (i) Reuse of by-products from the process as raw materials or raw material substitutes in other processes. (ii) Use of "Closed pneumatic" system for transport of fine material. (iii) All venting systems shall be connected with dust arresting equipment. (iv) Dust collect in pollution control equipment's shall be used.	The said waste minimization measures are being followed: i. 100% of Fly ash generated in CPP is used for manufacturing PPC. ii. Fly ash is transported in bouzers and unloaded into silos pneumatically. iii. All venting systems are connected to JPF's. iv. The dust collected in the JPF's, Baghouse & ESP are used in the process.
5	Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by State Pollution Control Board/Central Pollution Control Board.	a. Regular monitoring is being carried out for Fugitive emissions at work zone area, raw material storage area through the NABL accredited third party laboratory and the reports are regularly submitted to MoEF&CC-RO, CPCB-RO, APPCB-RO office along with the compliance report. b. Fugitive Emission Monitoring Data for the report period is given below.

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

Fugitive Emission Monitoring Data for April-23 to Sep-23



All the values are expressed in $\mu\text{g}/\text{m}^3$

PICTURES OF SOME FUGITIVE EMISSIONS CONTROL MEASURES



Water Spray



Water Sprinkling



Road Sweeping



Closed Hoppers



Sheds with rubber curtains



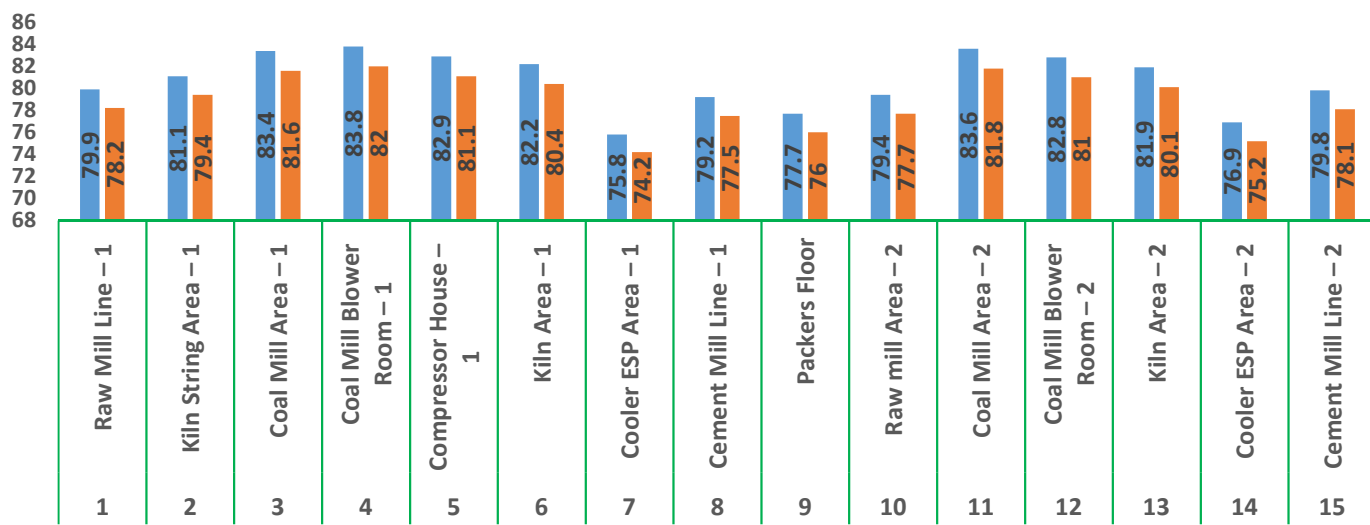
Mist Spray

6	The overall noise levels in and around the plant area shall be kept within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	a. Turbine generators, compressors are provided with enclosures. Ball mills and crushers are housed inside the buildings to control the Noise levels. Equipment's are properly lubricated for controlling of Noise emissions. b. Noise Monitoring data for the report period is given below.
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Ultra Tech Cement Limited-Andhra Pradesh Cement Works

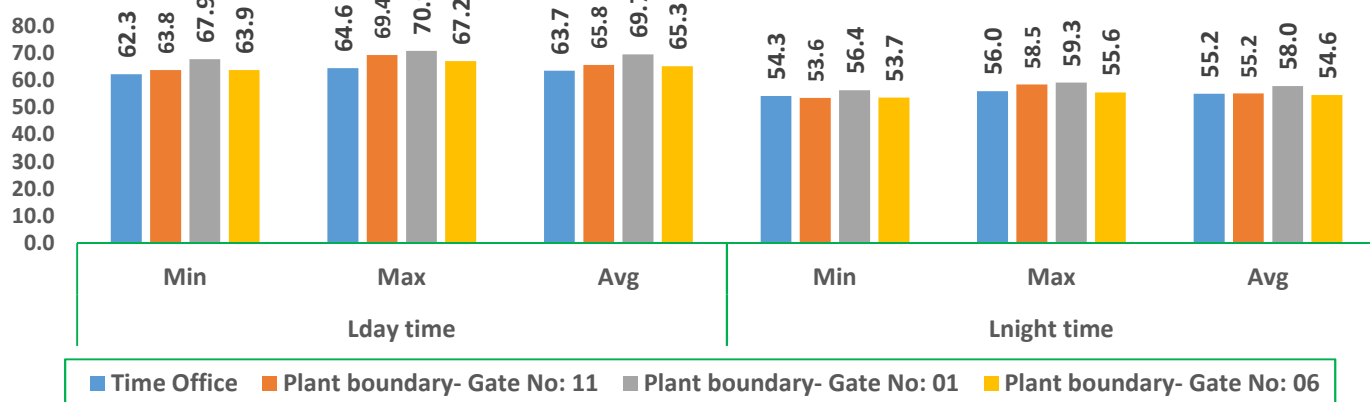
SOURCE NOISE LEVELS AT CEMENT PLANT

Source Noise Levels Monitoring data for April-23 to September-23



AMBIENT NOISE LEVELS AT CEMENT PLANT

Ambient Noise Levels Monitoring data for April-23 to September-23



Note: All the values are expressed in dB (A)

7

The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 as amended and Hazardous Waste (Management and handling) Rules, 1989, as amended from time to time. Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.

a. The rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals Rules, 1989 are complied.

b. Authorization from SPCB is obtained for collection, reception, storage, and disposal of hazardous wastes vide Consent Order No. APPCB/KNL/ATP/184/HO/CFO/2014-732 dated 16.12.2014 renewed order dt 16.08.2016 and after renewed order dt 27.09.2021 it is valid till 30.09.2026.

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

8	Rainwater harvesting shall be done within the premises. Ground water recharge structures shall be installed around the plant area in consultation with local authorities to contain the ground water table.	a. Mines sump with a capacity of 18 lakh m3 is developed for augmenting the ground water. The same is utilized for plant and Mines operations. b. 5 No's of check dams are constructed around the plant for augmenting the ground water. c. 2 No's of rain water harvesting structures are constructed. d. 11 No's of rainwater harvesting pits developed to recharge Ground Water inside the plant. e. Enclosed Photographs are given below
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RAIN WATER HARVESTING STRUCTURES



9	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to	a. Community welfare measures are carried out regularly as a part of CSR activities. b. The unit has spent Rs. 81.01 lakhs towards the welfare measures during the report period. c. The details of activities carried out details are given below.
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Ultra Tech Cement Limited-Andhra Pradesh Cement Works

the SPCB within three months of receipt of this letter for approval.

CSR INITIATIVES (April'23 –September'23)

S. No.	KEY FOCUS AREA	EXPENDITURE (Lakhs)
1	Education	3.81
2	Health Care	9.92
3	Sustainable Livelihood	22.24
4	Infrastructure Development	36.44
5	Social Causes	8.60
TOTAL		81.01



10

Adequate funds must be earmarked for environmental Protection and to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein.

- a. Adequate funds are earmarked for Environment Protection
- b. The expenditure incurred for environmental protection activities for the report Period is Rs. **208.2** lakhs.
- c. The details are as given below

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

	The funds provided shall not be diverted for any other purpose.	
<u>Environmental protection expenditure for the period of April 2023 - September 2023</u>		
Sr. No.	Disposal/Treatment/Remediation cost	INR (Lacs)
1	Treatment and Disposal of Solid Waste	13.28
2	Environmental Monitoring Charges	5.75
3	Maintenance cost of the Air pollution control devices	106.35
4	Treatment of sewage and effluent cost	5.6
5	Road Sweeping/Fugitive dust control/Rain water Harvesting and Greenbelt Development	67.89
6	CEMS, CAAQMS & OEMS	9.38
Total amount in Rupees (Lacs)		208.2
11	A separate environment management cell equipped with full fledge laboratory facilities shall be set up to carry out various management and monitoring functions.	Separate Environment Management Cell exists and the structure of the Environmental Management Cell Chart are given below. Dedicated Laboratory is available at ETP and STP. MoEF&CC approved Third party is arranged for monitoring and analysis activity.
<u>Environment Management Cell</u>		
Unit Head FH - Technical FH - Mines DH - Mechanical DH - Instrumentation DH - Process SH - Environment Officer - Environment		
12	The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB/CPCB. A six-monthly compliance status report shall be submitted to monitoring	Monitoring reports are monthly submitted to RO APPCB and Half yearly submitting to MoEF – RO and CPCB RO along with EC Compliance report. Six monthly Compliance Reports are regularly sent to MoEF RO, Vijayawada and CPCB RO & APPCB.

Ultra Tech Cement Limited-Andhra Pradesh Cement Works

	agencies and shall be posted on the website of the company.	The Compliance reports are being uploaded on Company website.
13	The project proponent shall inform the public that the project has been awarded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within 7 days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	a. We have advertised the Environmental Clearance information in the local language i.e. in Telugu dated 24.10.2008 and in English dated 24.10.2008. b. A copy of advertisement of Environmental Clearance in the newspaper advertisement are given below.
	<u>ADVERTISEMENT OF ENVIRONMENTAL CLEARANCE IN THE NEWSPAPER</u> PUBLIC NOTICE UltraTech Cement Limited - A.P. Cement Works (APCW) has been awarded environmental Clearance by Ministry of Environment and Forest (MoEF) vide letter No: F.No. J-11011/303/2008-IA-II(I) dated 08.10.2008 for Expansion of existing capacity 5.4 MTPA to 6.5 MTPA Clinker and 7.6. MTPA to 9.0 MTPA Cement. The copy of clearance letter is available with State Pollution Control Board (APPCB) and may also be seen at the website of Ministry of Environment and Forest (MoEF) at http://envfor.nic.in. Date: 24.10.2008 ప్రకటన పర్యావరణ మరియు అటవీ మంత్రిత్వ శాఖ (MoEF) వారి ఉత్తర్వు నెం. F.NO.J-11011/303/2008-IA-II (I) తారీఖు 08-10-2008 ద్వారా అల్ట్రాటెక్ సిమెంట్ లిమిటెడ్, ఆంధ్రప్రదేశ్ సిమెంట్ కర్మాగార సామర్థ్యమును సంవత్సరమునకు 5.4 మిలియన్ టన్నుల నుండి 6.5 మిలియన్ టన్నుల వరకు క్లింకరును మరియు 7.6 మిలియన్ టన్నుల నుండి 9.0 మిలియన్ టన్నుల వరకు సిమెంట్ ను ఉత్పత్తి చేయుటకుగాను ఆమోదించబడినదని ఇందుమూలముగా తెలియజేయుచున్నాము. ఈ ఆమోదిత పత్రమును రాష్ట్ర కాలుష్య నివారణ కేంద్రము మరియు కేంద్ర పర్యావరణ మరియు అటవీ మంత్రిత్వ శాఖ వారి ఇంటర్ నెట్ వెబ్ సైట్ లో చూడవచ్చును. తేదీ: 24/10/08 వెబ్ సైట్ చిరునామా: http://envfor.nic.in	
14	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 start of the project	Financial closure and final approval of the project has been informed RO- MoEF&CC. The date of start of the Project is 04.09.1995