Utcl Pali Environment

From: Utcl Pali Environment
Sent: 23 November 2023 22:04
To: 'rocz.lko-mef@nic.in'
Cc: 'iro.jaipur-mefcc@gov.in'; 'cpcb.bhopal@gov.in'; 'member-secretary@rpcb.nic.in'; RO Kishangarh
Subject: Submission of Half Yearly Compliance Status Report (for the period from Apr'2023 to Sept'2023) of the EC Letter conditions for Integrated Cement Project (Expansion) of M/s UltraTech Cement Ltd at Vill-Tunkra & Balara, Tehsil-Jaitaran, Dist-Beawar (Raj)
Attachments: EC Compliance Report- Cement Plant_UltraTech_Apr-23 to Sept-23.pdf

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change, Regional Office (CZ), Lucknow (UP);
Email: rocz.lko-mef@nic.in

Sub: Submission of Half Yearly Compliance Status Report of the Environment Clearance conditions for Integrated Cement Project (expansion)- Clinker: 2.2 to 7.0 MTPA (2 x 3.5 MTPA), Cement: 3.3 to 7.5 MTPA (2 x 3.75 MTPA), CPP: 30 to 60 MW (2 x 30 MW), WHRS: 5 to 36 MW (2 x 18 MW) and D.G. Set: 6 to 12 MW (2 x 6 MW) by M/s UltraTech Cement Ltd, located at Village(s) Tunkra & Balara, Tehsil- Jaitaran, Dist.- Beawar, Rajasthan.

Ref: Environment Clearance F.No. J-11011/569/2011-IA-II (I) dated 25/10/2021 for expansion of Integrated Cement Project.

Dear Sir,
This has reference to the above cited subject matter & environment clearance letter; we are submitting herewith the point wise **half yearly compliance status report** of the environment clearance conditions **for the period from April, 2023 to September, 2023** of Integrated Cement Project (expansion)– Clinker: 2.2 to 7.0 MTPA (2 x 3.5 MTPA), Cement: 3.3 to 7.5 MTPA (2 x 3.75 MTPA), CPP: 30 to 60 MW (2 x 30 MW), WHRS: 5 to 36 MW (2 x 18 MW) and D.G. Set: 6 to 12 MW (2 x 6 MW) by M/s UltraTech Cement Ltd, located at Village(s) Tunkra & Balara, Tehsil- Jaitaran, Dist.- Beawar, Rajasthan.

We would like to inform you that, presently Cement Plant (Line-1) and WHRS (Line-1) is under operation. Cement Plant (Line-1) is commissioned for Clinker production (3.50 MTPA) on 04/12/2022 and for Cement production (3.75 MTPA) on 12/12/2022. The WHRS (Line-1) is commissioned for power generation (18 MW) on 09/07/2023.

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.

Thanking You,

Yours Faithfully
For M/s UltraTech Cement Limited
(Unit: Pali Cement Works)

Copy to - (Soft copy through e-mail):

1. **The Deputy Director General of Forests (C), MoEF&CC- Integrated Regional Office, Jaipur (Raj); Email: iro.jaipur-mefcc@gov.in**
2. **The Regional Director, CPCB- Regional Office (Central Zone), Bhopal (MP); Email: cpcb.bhopal@gov.in**
3. **The Member Secretary, RSPCB- Head Office, Jaipur (Raj); Email: member-secretary@rpcb.nic.in**
4. **The Regional Officer, RSPCB- Regional Office, Kishangarh (Raj); Email: rorpcb.kishangarh@gmail.com**

UTCL/PLCW/MoEF/EC/Cement Plant/2023-24/54 **Date : 22/11/2023**

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change, Regional Office (CZ),
Lucknow (UP); Email: rocz.lko-mef@nic.in

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This is for your kind information and record please.

Thanking You,

Yours Faithfully
For M/s UltraTech Cement Limited
(Unit: Pali Cement Works)

(Ravi Kumar Nune)
Unit Head

Encl.: As above

Copy to - (Soft copy through e-mail):

1. **The Deputy Director General of Forests (C), MoEF&CC- Integrated Regional Office, Jaipur (Raj); Email: iro.jaipur-mefcc@gov.in**
2. **The Regional Director, CPCB- Regional Office (Central Zone), Bhopal (MP); Email: cpcb.bhopal@gov.in**
3. **The Member Secretary, RSPCB- Head Office, Jaipur (Raj); Email: member-secretary@rpcb.nic.in**
4. **The Regional Officer, RSPCB- Regional Office, Kishangarh (Raj); Email: rorpcb.kishangarh@gmail.com**

HALF YEARLY COMPLIANCE STATUS REPORT OF ENVIRONMENT CLEARANCE

Name & Address of Project	**Integrated Cement Project** **M/s UltraTech Cement Ltd. (Unit – Pali Cement Works)** **Village - Tunkara & Balara, Tehsil - Jaitaran,** **District – Beawar– 306709 (Rajasthan)**
Environment Clearance Letter Number & date	**F.No. J-11011/569/2011-IA-II (I) dated 25th October,2021**
EC Identification No.	**EC21A009RJ123075**
Project Capacity	▪ **Clinker: 2.20 MTPA to 7.0 MTPA (2 x 3.5 MTPA)** ▪ **Cement: 3.30 MTPA to 7.50 MTPA (2 x 3.75 MTPA)** ▪ **CPP: 30 MW to 60 MW (2 x 30 MW)** ▪ **WHRS: 5 MW to 36 MW (2 x 18 MW)** ▪ **D.G. Set: 6 MW to 12 MW (2 x 6 MW)**
Period of Compliance Report	**1st April-2023 to 30th September- 2023**
Status of Project	**The Cement Plant (Line-1) is commissioned for Clinker production on 04/12/2022, Cement production on 12/12/2022. WHRS (Line-1) is commissioned for 18 MW power generation on 09/07/2023.** **Presently Cement Plant (Line-1) is under Operation for production of Cement (3.75 MTPA) & Clinker (3.50 MTPA). WHRS (Line-1) is under operation for 18 MW power generation.**

A.	**SPECIFIC CONDITIONS**	
S.N	**CONDITION**	**COMPLIANCE STATUS**
1	Prior permission of the Competent Authority shall be obtained for withdrawal of 3000 KLD of ground water. Rainwater harvesting shall be done in mines and cement plant area to ensure that by 31st March,26; 100 % plant water requirement is met from harvested rainwater only.	NOC for Ground Water abstraction of 3000 m3/day has been obtained from CGWA-New Delhi for our Integrated Cement Plant vide letter no. CGWA/ NOC/IND/REN/1/2022/7205 on 21/09/2022, valid upto 21/05/2023. Renewal of Ground Water NOC is applied vide application no. 21-4/674/RJ/IND/2016 on 19/05/2023 and application under processing at CGWA-New Delhi. Presently, Rain water reservoir/pond is under development at captive limestone mines and further development work of reservoir in mines will be continued with progressive mining. Rain water harvesting also planned in cement plant and same will be developed along with the construction of cemented roads/floor area & rain water drains (under progress) as per the slope/gradient of the area to collect the rain water. We will do our best effort for implement & maintain the rain water harvesting in our mines and plant area as per the timeline to meet 100 % plant water requirement from harvested rainwater only.

RAIN WATER RESERVOIR/POND AT MINES (UNDER DEVELOPMENT)

2	62.44 ha of land shall be developed into green belt with a tree density of 2500 trees per ha in a time frame of three years from date of grant of EC. This shall include 20 m wide green belt development within the project area towards the villages situated on the project site boundary. In addition to this, PP shall plant 550 trees or as required under the relevant State Government Rules/ Regulations, whichever is more, for the 55 trees proposed to be cut.	Green belt development is ongoing program. So far, 22350 nos. of tree saplings have been planted in 14.90 ha area of cement plant No village is situated on the project site boundary. The nearest villages Tunkra and Balara are situated approx. 1.5 Km and 3.0 Km respectively from project site; however, adequate wide green belt with 3 rows tree plantation is being developed all along the plant boundary within the project area. Selection of tree/plant for green belt development will be done as per the suggestion of Local Forest department. The plantation is continued to develop the green belt as per the plan.

GLIMPSES OF GREEN BELT DEVLOPMENT AT CEMENT PLANT AREA

3	Limestone shall be transported to the plant from mines by conveyor belt only. No road transportation is permitted	Limestone Crusher Plant has been established within our mining lease area (ML No. 29/1999). Crushed Limestone from Mines Crusher Plant to Cement Plant is transported only through Conveyor belt.

COVERED CONVEYOR BELT FOR LIMESTONE FROM MINES CRUSHER PLANT TO CEMENT PLANT

4	Particulate matter emissions from the existing and revamped production units shall be less than 30 mg/Nm3 .	Particulate matter (PM) emissions from process stacks connected with various sources of cement plant is being maintained within 30 mg/Nm3 with help of air pollution control measures (APCM). To control PM emission, high efficiency Bag Houses provided for Raw Mill & Kiln stack, Coal Mill stack, Cement Mill stack and Electrostatic precipitator (ESP) provided for Clinker Cooler stack. Provided Low NOx burner and incline calciner for low NOx formation in the kiln process. Regular monitoring of the Stack emission is being carried out through MoEFCC Notified & NABL Accredited Laboratory and results are found within the limit.

Stack Emission monitoring data of Cement Plant (Line-1) for the period from Apr-23 to Sept-23 is given as under:

Stack conceded with & APCM		Kiln & Raw Mill Bag House Stack			Coal Mill Bag House Stack			Clinker Cooler ESP Stack			Cement Mill Bag House Stack		
Unit of Measurement		All values are in mg/Nm3											
Parameters ↓	Permissible Limits ↓	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
PM	30 mg/Nm3	12.52	19.04	15.62	17.19	20.64	18.48	10.27	21.40	15.56	13.98	21.25	19.15
SO_2	100 mg/Nm3	BDL	18.24	13.56	Not applicable								
NOx	600 mg/Nm3	306.12	419.53	350.19	Not applicable								

Note: Here Minimum & Maximum values are of a particular day value during monitoring & Average values are half yearly average.

POLLUTION CONTROL EQUIPMENT AT AIR EMISSION SOURCES

Kiln & Raw Mill – Bag House with Stack

Clinker Cooler- ESP with Stack

Coal Mill – Bag House with Stack

Cement Mill – Bag House with Stack

5	Petcoke dosing shall be controlled automatically to control SO_2 emission from chimney within the prescribed limits.	Presently, Captive Power Plant (CPP) is not established with the Cement Plant (Line-1). Petcoke is being used in Cement Plant (Line-1) as feedstock and SO_2 emission is maintained within the prescribed limits from chimney/stack Kiln & Raw Mill.
6	Railway siding for transportation of materials shall be provided in next five years as committed by the project proponent	We have already started working to provide railway siding at plant site for transportation of materials. We have obtained the in-principal approval for the railway line from North Western railway (NWR) Head Quarter-Jaipur. Engineering Scale Plan (ESP) is also approved from both Head Quarter-Jaipur as well as divisional office-Ajmer of NWR. All other approvals are under process from various concerned departments for providing the railway line from the nearest railways station to proposed railway siding at our cement plant.
7	Air cooled condensers shall be used in the captive power plant.	Presently, Captive Power Plant (CPP) is not established with the Cement Plant (Line-1). Air cooled condensers will be provided in captive power plant, whenever we planned to establish the CPP. Although we have provided ACC (air cooled condensers) at WHRS (Line-1) installed with Cement Plant (Line-1).

AIR COOLED CONDENSERS WITH WHRS (Line-1)

8	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.	Co-processing of hazardous waste not started in Cement Plant. Presently non-hazardous (other waste) i.e. Biomass being used in Cement Plant kiln as alternative fuel. Dioxin and furans are monitored during cement plant operation (with co-processing of non-hazardous waste) through MoEFCC notified & NABL accredited laboratory and monitoring report of the same has been submitted to the APCCF – MoEF&CC, Lucknow; Deputy Director General of Forest (C) –IRO, MoEF&CC, Jaipur; Regional Director-CPCB, Bhopal; Member Secretary-RSPCB, Jaipur & Regional Officer- RSPCB, Kishangarh by e-mail dated 28.10.2023 vide our letter no. UTCL/PCW/MoEF/EC/Cement Plant/2023-24/53 dated 28.10.2023.
B	**GENERAL CONDITION**	
S.N	**CONDITION**	**COMPLIANCE STATUS**
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, etc., as may be applicable to the project	Environment Clearance has obtained from MoEF&CC for the expansion of Integrated Cement Project i.e. Clinker- 2.2 to 7.0 MTPA (2 x 3.5 MTPA), Cement- 3.3 to 7.5 MTPA (2 x 3.75 MTPA), CPP- 30 to 60 MW (2 x 30 MW), WHRS- 5 to 36 MW (2 x 18 MW) and D.G. Set- 6 to 12 MW (2 x 6 MW) under EIA Notification,2006 vide F.No. J-11011/569/2011-IA-II (I) dated 25/10/2021. Consent to Establish (Expansion) has been obtained from RSPCB for Integrated Cement plant project expansion capacity - Clinker (2.2 to 7.0 MTPA), Cement (3.3 to 7.5 MTPA), CPP (30 to 60 MW), WHRS (5 to 36 MW) and D.G. Set (6 to 12 MW) vide file no. F(CPM)/ Pali (Jaitaran)/2686(1)/2022-2023/234-236 & Order No. 2022-2023/CPM/8581 dated 07/04/2022. Consent to Operate has been obtained for Cement Plant (Line-1) from RSPCB vide file no. F(CPM)/Pali(Jaitaran)/2686(1)/2022-2023/5775-5777 & Order no. 2022-2023/CPM/8695 dated 16/01/2023 for Cement Plant (Line-1); which is valid upto 31/10/2027. Production Quantity (MT) Period: Apr-23 to Sept-23 Cement: 1023232 MT Clinker: 1451566 MT Consent to Operate for WHRS (Line-1) has been obtained from RSPCB vide file no. F(HSW)/ Pali(Jaitaran)/7118(1)/2023-2024/2140-2142 & Order no. 2023-2024/CPM/9041 dated 05/07/2023 for power generation capacity of 18 MW.

		WHRS Power Generation (MW) Period: 9th July-23 to 30th Sept-23 Gross Power Generation (MW): 10534.7 Average generation (MWh): 6.25 We have obtained all the approvals/consent/permissions from concerned authorities as per the requirement of the Cement Plant (Line-1) operation. We are following all the standards/condition of any other Acts/Rules/Subordinate legislations etc., as per the applicability.
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.	We have installed the Online Continuous Emission Monitoring System (OCEMS) i.e. Dust Monitors at process stacks of Kiln & Raw Mill -Bag House, Coal Mill-Bag House, Clinker Cooler-ESP & Cement Mill- Bag house for Particulate Matter (PM) emissions monitoring. The CEMS i.e. Gaseous emission monitoring system is also installed at process stack of Kiln & Raw Mill -Bag House for Gaseous emission monitoring i.e. SO_2 & NOx (as NO_2). We have provided the 03 nos. Continuous Ambient Air Quality Monitoring System (CAAQMS) as committed to EAC during meeting on 28.09.2021 for Environment Clearance as well as 04 nos. Manual Ambient Air Quality Monitoring stations (AAQMS) also been provided at prominent locations within the plant boundary for monitoring of AAQ parameters. Locations of CAAQMS & Manual AAQMS has been approved by Regional Office-RSPCB vide letter no RPCB/RO/PALI/3320 dated 13/01/2022. The CAAQMS and CEMS data has connected to online servers of RSPCB/CPCB and online data transmitting/submitted on continuous basis. Display of OCEMS and CAAQMS data also being done at plant main gate in public domain. The online monitoring systems are checked/calibrated according to equipment supplier specification/ through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories. Manual monitoring of Stack emission and Ambient Air quality is also being carried out at Cement Plant by MoEFCC notified & NABL Accredited Laboratory and results are found within the prescribed standards.

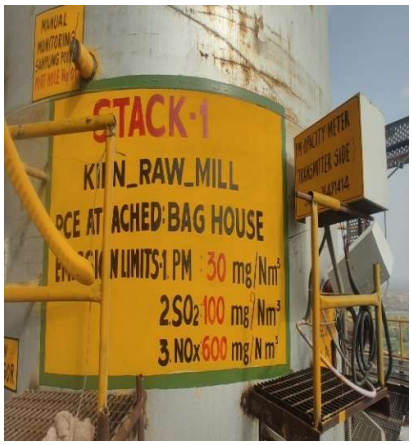
Ambient air quality monitoring data of Cement Plant (Line-1) for the period from Apr-23 to Sept-23 is given as under:

Location		**AAQMS-1 SW_Plant Boundary**			**AAQMS-2 NE_Plant Boundary**			**AAQMS-3 NW_Plant Boundary**			**AAQMS-4 SE_Plant Boundary**		
Unit of Measurement		**All values are in µg/m3**											
Parameters	**Prescribed Limit**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**	**Min**	**Max**	**Avg**
PM10	**100**	20.05	85.32	53.91	20.58	87.77	55.33	78.45	17.25	89.74	59.04	83.43	15.88
PM2.5	**60**	8.01	40.86	23.02	7.83	39.05	23.77	34.50	9.11	40.57	26.25	38.23	7.63
SO2	**80**	2.56	14.25	7.53	3.86	15.74	9.32	15.02	5.03	17.74	10.49	16.71	3.84
NO_2	80	7.05	27.45	16.74	8.14	26.24	18.19	25.08	9.25	27.26	19.22	25.42	7.25
CO	4000	365	784	611	436	803	635	786	320	853	654	801	415

Note: Here Minimum & Maximum values are of 24 hrs. on a particular day during the period & Average values are half yearly average.

AIR EMISSION MONITOTING FACILITIES

CAAQMS at Plant Boundary (03 nos.)



OCEMS at all Process Stacks

Manual AAQMS at Plant Boundary (04 nos)

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.	We are monitoring the fugitive dust emission at different work zone locations during on quarterly basis through labs recognized under EP Act, 1986. We have provided following measures to control the fugitive dust emission in the cement plant: • Bag filters at all the material transfer points, storage silos and loading/unloading area. • Covered conveyor belts for material transportation. • Concreted silos for storage of clinker, cement, flyash, raw meal and bins for fine coal, raw materials feeding along with bag filters. • Pneumatic handling system for unloading of fly ash in silo. • Concreted roads and floors within the plant premises and regular sweeping arrangements for the same. • Water spray arrangements at unpaved roads and raw material storage yards etc. All adequate environment protection measures are taken care for fugitive emission control from all the sources and fugitive emission is maintained within permissible limits as per the CPCB fugitive dust emission guideline/consent condition. Fugitive dust emission monitoring is being carried out at Cement Plant through MoEFCC notified & NABL Accredited Laboratory on quarterly basis and results are found within the prescribed limit as per CPCB guideline.

Fugitive dust emission monitoring data of Cement Plant (Line-1) for the period from Apr-23 to Sept-23 is given as under:

S. No.	Monitoring Locations	Parameter	Limit as per CPCB Fugitive emission guideline	UoM	Min	Max	Avg
1.	Near Raw Mill	SPM	5000	µg/m3	3781	3926	3854
2.	Near Coal Mill	SPM	5000	µg/m3	2186	2576	2381
3.	Near Kiln-Preheater	SPM	5000	µg/m3	4027	4283	4155
4.	Near Clinker Cooler	SPM	5000	µg/m3	4019	4532	4276
5.	Near Cement Mill	SPM	5000	µg/m3	3715	3956	3836
6.	Near Packing Plant	SPM	5000	µg/m3	4025	4239	4132
7.	Near Coal Storage Yard	SPM	2000	µg/m3	1754	1899	1827
8.	Near Limestone Storage Yard	SPM	5000	µg/m3	4638	4837	4738
9.	Near Raw Material Yard	SPM	5000	µg/m3	4138	4369	4254

Note: Here Minimum & Maximum values are of a particular day value during monitoring & Average values are half yearly average.

PHOTOGRAPHS OF FUGITIVE DUST EMISSION CONTROL MEASURES

Bag Filters at Material storage & transfer points

Covered Conveyor Belts for material transportation

Clinker Silo

Cement Silos

Raw Meal Silo

Flyash Silo

Cemented Roads Inside the plant and road sweeping arrangements

Water Sprinkling arrangement

iii	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	We have provided leakage detection facilities i.e. differential pressure (DP) meters at all the bag filters & bag houses for online performance monitoring. Indication of the same is provided at Central Control Room (CCR) of Plant for regular monitoring. Bag houses & bag filters are installed with mechanized bag cleaning facility (purging) for better maintenance of bags.
iv	The project proponent shall ensure covered transportation and	We are ensuring the covered transportation and conveying of raw materials to prevent spillage and dust generation.

	conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash;	Closed bulkers are used for carrying the fly ash in the plant.
COVERED TRANSPORTATION OF RAW MATERIAL BY TRUCKS AND CLOSED BULKER FOR CARRYING FLY ASH  		
v	The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;	The construction of closed covered sheds for storage of raw materials i.e. coal & gypsum etc. are under progress as per the plan submitted to RSPCB. Water sprinkling arrangement have been done for the water spray at unpaved roads and raw material storage as per the requirement.
CONSTRUCTION OF COVERED RAW MATERIAL SHEDS (UNDER PROGRESS) 		
vi	Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants.	We have provided adequate ventilation at all the tunnels, motor houses, and cement bagging plants.
III	**WATER QUALITY MONITORING AND PRESERVATION**	
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	The cement plant is designed on dry process technology; thus, no discharge of process water will take place from cement plant. Captive Power Plant (CPP) is not established with the Cement Plant (Line-1), hence no trade effluent generation from CPP. Whenever CPP will be installed, we will provide the effluent monitoring system as per guideline and same will be connected to SPCB/CPCB online servers and calibrated from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

	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 system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories	The waste water/effluent generated from WHRS Boilers Blowdown, DM & RO Plant Reject water, Plant equipment- cooling towers blow down etc and is being treated in neutralization pit (N-pit). Treated effluent water is re-utilized in cement plant for cooling/spraying purpose. We have installed the PTZ IP camera and Digital flow meter in the channel/drain provided for carrying the treated waste water/effluent from Neutralization pit for continuous effluent monitoring as per Zero Liquid Discharge (ZLD) condition and same is connected with RSPCB online servers. Regular sampling/analysis of the main parameters of treated effluent by N-pit is being carried out through MoEFCC Notified & NABL Accredited Laboratory as per consent condition to conform the standards prescribed by the Board as notified under the Environment (Protection) Act-1986 and all parameters are found within the limit. No trade effluent is being discharged from the Plant premises & we are maintaining the zero liquid discharge status outside the premises.

DM & RO Plant for WHRS

N-pit for effluent treatment with PTZ Camera and Digital Water Flow Meter

Treated waste water/effluent analysis data of WHRS- (Line-1) N-pit for the period from Apr-23 to Sept-23 is given as under:

S.N.	Parameters	UoM	Prescribed Limit	N-pit		
				Min	Max	Avg
1.	Total Suspended Solids	mg/L	Not to exceed 100 mg/l	21.5	25.4	23.57
2.	Temperature	°C	Shall not exceed 5°C above receiving water temperature.	26.4	27.6	27.00
3.	Oil & Grease	mg/L	Not to Exceed 10 mg/l	3.9	4.5	4.20
4.	Biochemical Oxygen demand (3 days at 27"C)	mg/L	Not to Exceed 30 mg/l	16	18	16.67
5.	Free Available Chlorine	mg/L	Not to Exceed 0.5 mg/l	BDL (DL 0.2)	BDL (DL 0.2)	BDL (DL 0.2)
6.	pH Value	-	Between 6.5 to 8.5	7.09	7.45	7.25
7.	Copper as Cu	mg/L	Not to Exceed 1.0 mg/l	BDL (DL 0.02)	BDL (DL 0.02)	BDL (DL 0.02)
8.	Zinc as Zn	mg/L	Not to Exceed 1.0 mg/l	BDL (DL 0.0005)	BDL (DL 0.0005)	BDL (DL 0.0005)
9.	Total Chromium as Cr	mg/L	Not to Exceed 0.2 mg/l	BDL (DL 0.002)	BDL (DL 0.002)	BDL (DL 0.002)
10.	Chemical Oxygen Demand	mg/L	Not to Exceed 250 mg/l	42	54	47.00
11.	Phosphate as P	mg/L	Not to Exceed 5.0 mg/l	1.2	1.5	1.37

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	We are monitoring ground water quality twice in a year (pre- monsoon and post-monsoon) at piezometers/sampling wells of Cement Plant through laboratory recognized under EP Act, 1986 and accredited by NABL and monitoring report of the same has been submitted to APCCF –MoEF&CC, Lucknow; Deputy Director General of Forest (C) –IRO, MoEF&CC, Jaipur; Regional Director-CPCB, Bhopal; Member Secretary-RSPCB, Jaipur & Regional Officer- RSPCB, Kishangarh by e-mail dated 28.10.2023 vide our letter no. UTCL/PCW/MoEF/EC/Cement Plant/2023-24/53 dated 28.10.2023.
iii	Sewage Treatment Plant shall be provided for treatment of domestic wastewater to meet the prescribed standards.	Presently there is no planning for establishment of staff colony; hence no STP has installed/proposed for the same. The Sewage Treatment Plant of total 50 KLD (i.e. 2 x 25 KLD) is installed for the treatment of domestic wastewater generated from our Cement Plant. The treated domestic waste water from STPs is being re-utilized in green belt development within the premises. Regular monitoring of treated domestic waste water is being carried out through MoEFCC notified & NABL Accredited Laboratory and results are found within the prescribed standards.

Treated Domestic waste water analysis data of STP (2 x 25 KLD) for the period from Apr-23 to Sept-23 is given as under:

S.N.	Parameters	UoM	Prescribed Limit	STP-1			STP-2		
				Min	Max	Avg	Min	Max	Avg
1.	pH	-	Between 5.5 to 9.0	7.45	7.83	7.62	7.28	7.81	7.43
2.	Total suspended solids	mg/L	Not to exceed 100 mg/l	18.30	24.20	21.91	17.40	21.56	19.43
3.	Oil & Grease	mg/L	Not to exceed 10 mg/l	2.10	5.80	4.62	2.30	5.60	4.72
4.	Total Residual Chlorine	mg/L	Not to exceed 1.0 mg/l	BDL (0.2)	BDL (0.2)	BDL (0.2)	BDL (0.2)	BDL (0.2)	BDL (0.2)
5.	Ammoniacal Nitrogen	mg/L	Not to exceed 50 mg/l	8.40	18.30	13.22	9.80	16.10	13.23
6.	Biochemical Oxygen demand (3 days at 27°C)	mg/L	Not to exceed 30 mg/l	10.00	19.00	16.03	9.00	17.60	14.43
7.	Chemical Oxygen Demand	mg/L	Not to exceed 250 mg/l	41.20	54.00	46.03	34.00	43.00	39.92
8.	Fecal Coliform	MPN per 100 ML	Not to exceed 1000	20.00	36.00	28.17	23.00	36.00	29.50

SEWAGE TREATMENT PLANTS

STP-1 (25 KLD)

STP-2 (25 KLD)

iv	Garland drains and collection pits shall be provided for each stockpile to	Covered sheds construction for the storage of raw materials within the plant premises is under progress. We will provide the garland drains

	arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.	and collection pits as per requirement, to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off, if any.
v	Water meters shall be provided at the inlet to all unit processes in the cement plant.	We have installed the water meters at abstraction borewells as well as various location of unit processes of the cement plant to monitor the water abstraction & consumption in the Cement plant.
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.	We are doing our efforts to minimize the water consumption in the cement plant by monitoring of the water uses in different purposes, optimization of water uses and recycling/reuse of treated water. • Water abstraction and water uses monitoring is being carried out in cement plant and needful action is/shall be taken for the same as per the opportunity for further reduction. • The treated domestic waste water from STP is being re-utilised in green belt development/horticulture purpose. • The treated waste water/effluent from N-pit is being re-utilised in cement plant for cooling/spraying purpose. • Water conservation awareness is being given to employees, workmen & nearby village schools. Apart from above we will ensure that: • Harvested rain water will be used in various activities of cement plant in place of fresh ground water. • Provide drip irrigation in green belt development and other water conservation measure. All the efforts is/will be done to minimize water consumption and water conservation in the cement plant by adopting the various initiatives time to time in the future.
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.	The ambient noise level monitoring at plant boundary is being carried out by MoEF&CC notified & NABL Accredited Laboratory as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and Noise level is found within the prescribed standards Noise monitoring report is being submitted RSPCB offices along with Consent compliance report regularly. We are herewith submitting Noise level monitoring data as a part of six-monthly compliance report.

Ambient Noise Level monitoring data Cement Plant (Line-1) for the period from Apr-23 to Sept-23 is given as under:

S. N.	Monitoring Locations	Frequency/ Time	Prescribed Limit	UoM	Min	Max	Avg
1	AAQMS-1 : SW_Plant Boundary	Day Time	75	Leq [dB (A)]	62.1	68.5	65.2
		Night Time	70	Leq [dB (A)]	58.5	61.3	59.9
2	AAQMS-2 : NE_Plant Boundary	Day Time	75	Leq [dB (A)]	63.2	67.8	65.3
		Night Time	70	Leq [dB (A)]	58.1	61.2	59.5
3	AAQMS-3 : NW_Plant Boundary	Day Time	75	Leq [dB (A)]	57.2	69.5	65.5
		Night Time	70	Leq [dB (A)]	54.1	64.3	61.0
4	AAQMS-4 : SE_Plant Boundary	Day Time	75	Leq [dB (A)]	56.1	64.8	59.6
		Night Time	70	Leq [dB (A)]	52.4	60.5	55.9

Note: Here Minimum & Maximum values are of a particular day value during monitoring & Average values are half yearly average.

<table>
<tr><td>V.</td><td colspan="2">ENERGY CONSERVATION MEASURES</td></tr>
<tr><td>i</td><td>Waste heat recovery system shall be provided for kiln and cooler.</td><td>We have installed the Waste Heat Recovery System (WHRS) for 18 MW power generation at Cement Plant (Line-1) for re-utilization of the exhaust gases/heat from the Kiln-Pre-heater and Clinker Cooler to generate electric power. Power generated from WHRS is being utilised in cement plant.</td></tr>
<tr><td colspan="3"><u>WASTE HEAT RECOVERY SYSTEM (WHRS)</u>
 
AQC Boiler attched with Clinker Cooler
 
PH Boiler attched with Preheater
 
Turbine Generator (TG) Building</td></tr>
<tr><td>ii</td><td>The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.</td><td>All the efforts are being made to achieve power consumption and thermal energy consumption within the given targets.

During the period from Apr-23 to Sept-23, we have achieved:
<table><tr><td>S.N.</td><td>Particulars</td><td>Achieved</td></tr><tr><td>1</td><td>Power consumption (kwh/ton of PPC production)</td><td>54.62 kwh/ton of PPC production</td></tr><tr><td>2</td><td>Power consumption (kwh/ton of OPC production)</td><td>66.87 kwh/ton of OPC production</td></tr><tr><td>3</td><td>Thermal energy consumption (Kcal/Kg of clinker)</td><td>689 Kcal/Kg of clinker</td></tr></table>Various efforts are being taken to reduce the thermal energy consumption in plant like- Reduction of false air in system; Insulation of all ducts/equipment to control heat loss; Preventive maintenance of equipment; Process parameters optimization; Raw mix optimization and minimization of start/stop frequency of plant etc. We will try our best for further reduce the thermal energy consumption.</td></tr>
<tr><td>iii</td><td>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.</td><td>The solar power plant of 6 MWp DC (~ 4.6 MW AC) is installed within cement plant premises.

Electricity generated from solar power plant is utilized in various activities of cement plant including street lights, parking area etc. and same is/will be maintained regularly.

Apart from above, the solar power generation on roof tops of buildings is also under planning and same will be installed & maintained regularly.</td></tr>
</table>

	SOLAR POWER PLANT 	
iv	Provide the project proponent for LED lights in their offices and residential areas.	We have provided the LED lights in all plant offices, canteen and other plant areas for energy saving. Presently, no residential colony established.
VI	**WASTE MANAGEMENT**	
i	Used refractories shall be recycled as far as possible.	The used refractories are being sold to vendors for recycling and reuse.
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.	We have prepared the inventory of greenhouses gases (GHG) emissions for the plant. Following measures have been taken/planned for reduction of GHG including carbon sequestration by tree plantation in the plant premises. 1. Installed the Waste Heat Recovery System (WHRS) for 18 MW power generation at Cement Plant (Line-1) for re-utilization of the exhaust gases/heat from the Kiln-Pre-heater and Clinker Cooler to generate electric power. Power generated from WHRS is being utilised in cement plant. 2. Utilizing/co-processing of non-hazardous waste i.e. Biomass as alternative fuel at cement plant kiln in place of fossil fuel. Also planned to utilize/co-process hazardous waste in cement plant kiln as alternative fuel. Authorization for the same has been pbtaoined. 3. Installed the Solar Power Plant of 6 MWp DC (~ 4.6 MW AC) within the plant premises. Electricity generated from solar power plant is being utilized in various activities of cement plant. 4. Provided the LED lights/tubes in all office areas, canteen and other area of cement plant. 5. Utilized the fly ash (Dry fly ash & pond ash) in production of Pozzolana Portland Cement (PPC). During the FY 2023-24 (upto Sept-23) 165567.978 MT dry fly ash & 6519.597 MT Pond ash (sourced from outside thermal power plants) has been used for making the PPC cement. 6. Using EV vehicles (Cars and utility vehicle) in place of diesel operated vehicles for transportation. 7. Development of green belt in 40% i.e. 62.44 ha plant area in phase wise manner. So far, 22350 nos. of tree saplings have been planted in 14.90 ha project area of cement plant. Other than above, various activities will also be identified/ implemented for GHG emission reduction in phase wise manner and program details will be submitted regularly with EC compliance report.

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.	Risk Assessment & Disaster Management Plan along with the mitigation measures has been already prepared and submitted along with Final EIA/EMP report. Onsite emergency plan based on Hazards & Risk assessment has made and being implemented in the unit to ensure safety at work site.
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.	To protect the workmen from high temperature of work zone, we have analysed and provided the following measure: • Insulation on equipment/ducts wherever chances to expose with heat. • AC/fan cabin in heavy earthmoving machinery • Rest room and cool drinking water arrangement • Without PPEs no entry to workman in heat area • Permit system for hot work in the plant area • PPEs for working in high temperature work zone. ✓ Kevlar full body suit with face shield ✓ Heat protective shoes ✓ Heat protective hand gloves ✓ Arc flash suit with face shield, gloves and shoes ✓ Welding apron with sleeve, gloves and leg guard. SOPs are made for working in heat area and awareness given to workers time to time for reduce the impact of heat.
iii	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.	The medical examinations of the employees and workmen are being carried out as per the factory act requirement and records of the same are being maintained by our Occupation Health Centre situated within our Cement Plant premises.
IX	ENVIRONMENT MANAGEMENT	
i	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020.	We have earmarked Rs. 1.236 Crores for addressing the issues raised during public hearing as per MoEFCC OM dated 30/09/2020. Till sept-2023, we have spent the approx. Rs. 39.60 Lakhs for addressing the issues raised during public hearing apart from CSR activities. Detailed activities along with the budgetary allocation has been incorporated in the plan. The activity wise action plan is being implemented- along with CSR activities in villages. Detail of the same is being submitted along with the EC Compliance report on financial year basis.

GLIMPSES OF ACTIVITIES UNDERTAKEN IN CSR INCLUDING ACTIVITIES FOR ADDRESSING THE ISSUES RAISED DURING PUBLIC HEARING IN NEARBY VILLAGES DURING APR-23 TO SEPT-23

Distribution of Computer sets and Furniture in villages schools

Pond deepening work for rain water harvesting in Nearby Villages



Stitching & Tailoring Training Classes for women in Villages


Sanitary Napkin Free Distribution Camp & Awareness program in villages

School students health check-up camps in nearby villages

Road Repairing work in nearby villages

Bhandara program - Food & Snacks for pilgrims (Paidal Yatri) of Ram Dev Baba

Support for Sports in nearby villages

School Renovation work at Jaitaran Tehsil

Playground levelling work at Tunkra village

आसरलाई विद्यालय में स्वास्थ जांच शिविर आयोजित

नवज्योति/देवरिया। ग्रामीण क्षेत्र में शनिवार को आसरलाई राजकीय विद्यालय में अल्ट्राटेक सीमेंट यूनिट बलाडा के सीएसआर विभाग एवं चिकित्सा केंद्र के

सहयोग से निशुल्क स्वास्थ्य परीक्षण शिविर आयोजित किया गया, जो की इकाई प्रमुख रविकुमार एवं देवेंद्रसिंह एचआर प्रमुख के प्रेरणा से किया गया।जिसमें प्रिंसिपल रमेशचंद्र मीणा, सरपंच सरला गंगा मिशन मेवाड़ा, डॉ. तख्तराज अल्ट्राटेक के साथ सीएसआर हेड रविन्द्र पारीक उपस्थित थे। 70 छात्र एवं छात्राओं का ब्लड ग्रुप एवं स्वास्थ्य जांच की गई। साथ ही निशुल्क दवाइया भी उपलब्ध कराई गई। प्रिंसिपल रमेशचंद्र मीणा एवं सरपंच सरला गंगा मिशन मेवाड़ा द्वारा धन्यवाद दिया गया। उन्होंने कहा कि प्रत्येक विद्यार्थी को स्वस्थ रहने के लिए खेलकूद एवं व्यायाम का सहारा लेना चाहिए। नियमित खेलकूद एवं व्यायाम से विद्यार्थी स्वस्थ एवं प्रसन्नचित रहता है।सीएसआर हेड रविंद्र कुमार पारीक ने कहा कि विद्यार्थियों को जीवन में आगे बढ़ने के लिए स्वस्थ रहते हुए नियमित शिक्षा के प्रति ध्यान देना चाहिए।कार्यक्रम में अल्ट्राटेक यूनिट के सीएसआर विभाग के मैनेजर जीएल शर्मा, अनिमेषआर्य, आसरलाई विद्यालय के प्रधानाचार्य रमेशचंद्र मीणा, मनीष दाधीच, महाराम प्रजापत, दुर्गाराम जाँगिड़, सुरेशचंद्र शर्मा, राधेश्याम दाधीच जैतारण सहित अनेक अधिकारी कर्मचारी एवं ग्रामीण जन मौजूद रहे। इससे पूर्व चिकित्सा कक्ष का सरपंच सरल गंगा विशन मेवाड़ा द्वारा उद्घाटन किया गया।

दुकड़ा विद्यालय में निःशुल्क विद्यार्थियों को चेकअप कैंप आयोजित

(मरूनाद न्यूज) जैतारण, 21 अगस्त।
क्षेत्र के बलाडा स्थित अल्ट्राटेक यूनिट सीएसआर विभाग टीम की ओर से दुकड़ा राजकीय उच्च माध्यमिक विद्यालय के विद्यार्थियों का चिकित्सा टीम द्वारा स्वास्थ्य परीक्षण किया गया एवं निशुल्क आवश्यकता वाले विद्यार्थियों को दवाइयो का वितरण किया गया स्वास्थ्य चेकअप कैंप में सोमवार को 70 विद्यार्थियों का निशुल्क स्वास्थ्य चेकअप कर ब्लड ग्रुप की जांच कर निशुल्क दवाइयां प्रदान की गई यह जानकारी देते हुए सीएसआर विभाग के मैनेजर जीएल शर्मा ने बताया कि यह शिविर यूनिट हेड रवि कुमार एवं एचआर हेड देवेंद्र सिंह के मार्गदर्शन में किया गया। इस कार्यक्रम में डॉक्टर तख्त राज दुकड़ा शासकीय स्वास्थ्य केंद्र के चिकित्सा अधिकारी मानवेंद्र सिंह सहित अन्य चिकित्सा टीम ने उपस्थित रहकर विद्यार्थियों की ब्लड जांच एवं स्वास्थ्य जांच परीक्षण किया जाकर निःशुल्क दवाइया उपलब्ध कराई गई। इस कार्यक्रम में अल्ट्राटेक के नरेश कुमार, धीरेंद्र कुमार, अल्ट्राटेक सीएसआर विभाग के रविंद्र कुमार पारीक, जीएल शर्मा, हाड़ा अनिमेष आर्य तथा विद्यालय के प्रधानाचार्य गणपत लाल मेहरा एवं विद्यालय स्टाफ जनप्रतिनिधि कर्मचारी गण उपस्थित रहे।

बलाडा अल्ट्राटेक यूनिट बालिकाओं को चरण पादुका विद्यालय में कंप्यूटर सेट फर्नीचर किए भेंट

(मरूनाद न्यूज)
जैतारण, 18 अगस्त।

प्रधानाचार्य कपिल शर्मा ने कहा कि शिक्षा के प्रति किया गया दान कभी कम नहीं पड़ता अपी तू पुण्य की प्राप्ति करते हुए बढ़ता ही रहता है प्रधानाचार्य राजकीय उच्च माध्यमिक विद्यालय बलाडा कपिल शर्मा ने यह विचार जैतारण क्षेत्र के राजकीय महात्मा गांधी सीनियर विद्यालय बलाड़ा में अल्ट्राटेक यूनिट बलाडा केसीएसआर विभाग को ओर से बालिकाओं को चरण पादुका वितरण फर्नीचर वितरण एवं कंप्यूटर सेट वितरण एवं वृक्षारोपण कार्यक्रम के अंतर्गत मुख्य अतिथि पद से बोल रहे थे।

इस मौके आयोजित समारोह को संबोधित करते हुए अल्ट्राटेक यूनिट बलाडा के सीएसआर विभाग मैनेजर जीएल शर्मा ने कहा कि अल्ट्राटेक सीमेंट फैक्ट्री समय-समय पर विभिन्न सरकारी योजनाओं के अंतर्गत विभिन्न आयोजनों में सहयोग देकर शिक्षा खेलकूद पर्यावरण संरक्षण फर्नीचर वितरण मिष्ठान वितरण चरण पादुका वितरण राष्ट्रीय जंबूरी में भाग लेने के लिए बालिकाओं को प्रोत्साहित करने ग्रामीण महिलाओं को रोजगार से जोड़ने के लिए सिलाई प्रशिक्षण सहित अनेक कार्यक्रमों में सहयोग देकर हर संभव ग्रामीणों के विकास के लिए तत्पर है। सीएसआर विभाग के अनिमेष आर्य ने विद्यालय परिवार का आभार व्यक्त करते हुए बताया कि शिक्षा के क्षेत्र में बढ़ावा देने के लिए तत्पर है। कार्यक्रम में महात्मा गांधी अंग्रेजी माध्यमिक विद्यालय बलाडा के प्रधानाचार्य मुकेश सिंह सिसोदिया ने फैक्टरी प्रबंधन के अधिकारियों का आभार व्यक्त किया। कार्यक्रम में बालिकाओं द्वारा विभिन्न सांस्कृतिक कार्यक्रमों की प्रस्तुति दी गई। कार्यक्रम का संचालन जेठी कवरी चौहान ने किया। कार्यक्रम में जियाराम गुर्जर, जवरीलाल प्रजापत, महावीर सिंह राजपुरोहित, पुष्पेंद्र सिंह, पन्नालाल ग्वाला, ज्योति ज्वाला, जितेंद्र कुमार शर्मा, सुमेर राम मुंडेल, राधेश्याम दाधीच सहित अनेक ग्रामीणों एवं जनप्रतिनिधियों ने भाग लिया।

विद्यालय में कंप्यूटर सेट व फर्नीचर भेंट

जैतारण। प्रधानाचार्य कपिल शर्मा ने कहा कि शिक्षा के प्रति किया गया दान कभी कम नहीं पड़ता। अपीतू पुण्य की प्राप्ति करते हुए बढ़ता ही रहता है। प्रधानाचार्य राजकीय उच्च माध्यमिक विद्यालय बलाडा कपिल शर्मा ने यह विचार जैतारण क्षेत्र के राजकीय महात्मा गांधी सीनियर विद्यालय बलाड़ा में अल्ट्राटेक यूनिट बलाडा केसीएसआर विभाग की ओर से बालिकाओं को चरण पादुका वितरण फर्नीचर वितरण एवं कंप्यूटर सेट वितरण एवं वृक्षारोपण कार्यक्रम के अंतर्गत मुख्यअतिथि पद से बोल रहे थे। इस अवसर पर संबोधित करते हुए अल्ट्राटेक यूनिट बलाडा के सीएसआर विभाग मैनेजर जीएल शर्मा ने कहा कि अल्ट्राटेक सीमेंट फैक्ट्री समय-समय पर विभिन्न सरकारी योजनाओं के अंतर्गत विभिन्न आयोजनों में सहयोग देकर शिक्षा खेलकूद पर्यावरण संरक्षण फर्नीचर वितरण मिष्ठान वितरण चरण पादुका वितरण राष्ट्रीय जंबूरी में भाग लेने के लिए बालिकाओं को प्रोत्साहित करने ग्रामीण महिलाओं को रोजगार से जोड़ने के लिए सिलाई प्रशिक्षण सहित अनेक कार्यक्रमों में सहयोग देकर हर संभव ग्रामीणों के विकास के लिए तत्पर है। कार्यक्रम में बालिकाओं द्वारा विभिन्न सांस्कृतिक कार्यक्रमों की प्रस्तुति दी गई कार्यक्रम का संचालन जेठी कवरी चौहान ने किया। कार्यक्रम में जियाराम गुर्जर जवरीलाल प्रजापत महावीर सिंह राजपुरोहित पुष्पेंद्र सिंह पन्नालाल ग्वाला ज्योति ज्वाला जितेंद्र कुमार शर्मा सुमेर राम मुंडेल राधेश्याम दाधीच सहित अनेक ग्रामीणों एवं जनप्रतिनिधियों ने भाग लिया।

Media coverage of village CSR activities

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 /	The company is having the Environment Policy duly approved by Managing Director of the company. The environment policy has incorporated all the aspects of environment management & monitoring for effective implementation of policy and having systems for reporting of environment management activities. The copy of the Environment policy has been submitted along with EC compliance report on 28/05/2022 vide letter no. UTCL/PCW/MoEF/EC/Cement Plant/2022-23/15 dated 28/05/2022 in soft copy through e-mail {as per the MoEF&CC Notification dated 16/11/2018 vide S.O. 5845 (E) } by official e-mail id utcl-pali.environment@adityabirla.com.

	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.	
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.	Separate Environmental cell has been established at the project/unit level as well as company head quarter level with qualified personnel. The project/unit level Environment Cell is reporting to Senior Executives i.e. Unit Head as well as Head- Environment. Company head quarter level Environment Cell is set up under the control of senior Executive (Head-Environment), which is reporting to the Business Head/ Chief Manufacturing Officer. The Environment cell is looking after the overall environment management including implementation of environment protection measure and monitoring of environment parameters accordance to the EC/Consents/Notification/guidelines etc.

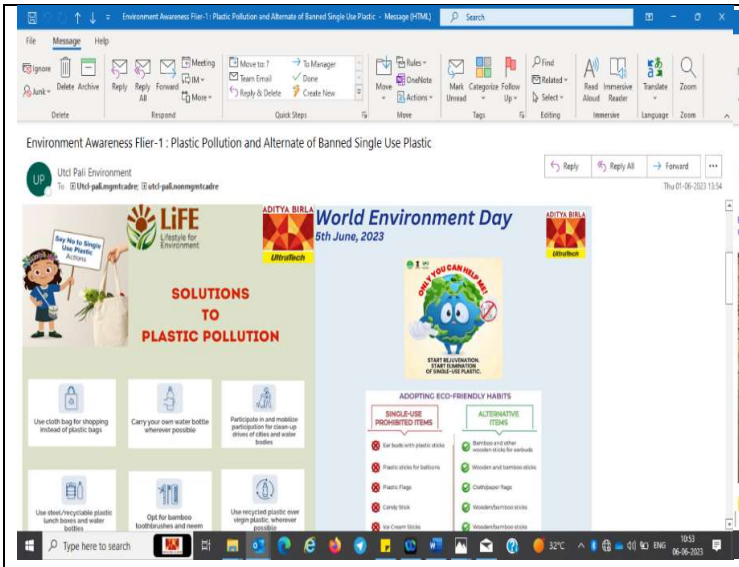
GLIMPSES OF ENVIRONMENT AWARENESS ACTIVITIES/PROGRAM UNDERTAKEN DURING FY 2023-24

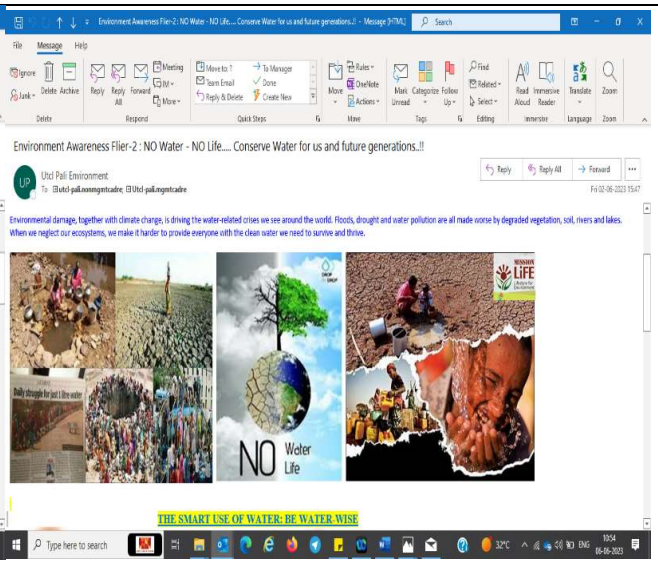
We have carried out Environment awareness activities like ban of sing use plastic (SUP), Water Conservation, Energy Conservation, Air pollution etc to sensitize people about environment & its conservation.

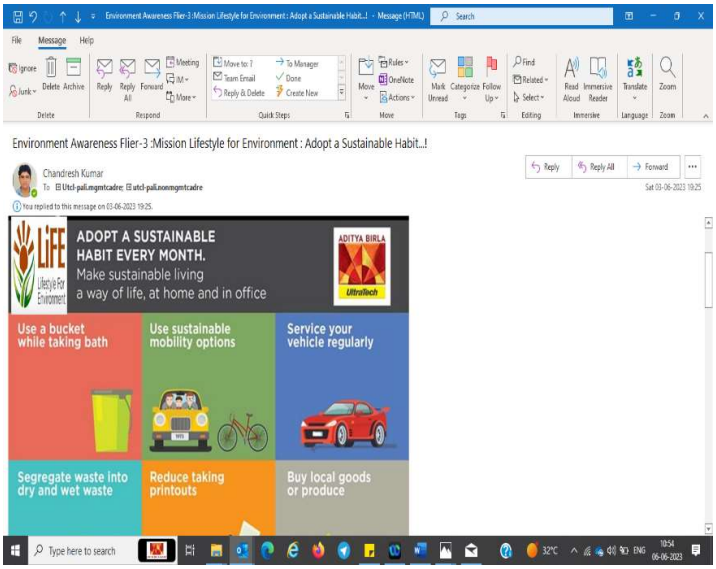
Plastic (SUPs) Awareness Displays

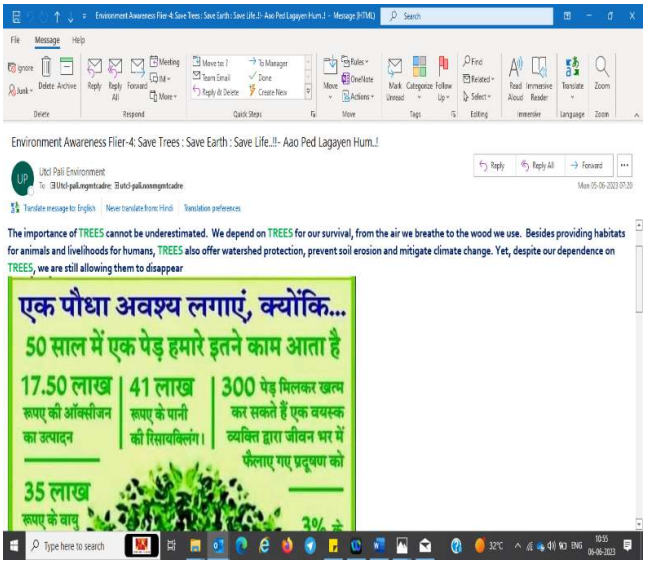
Water and Energy Awareness Displays

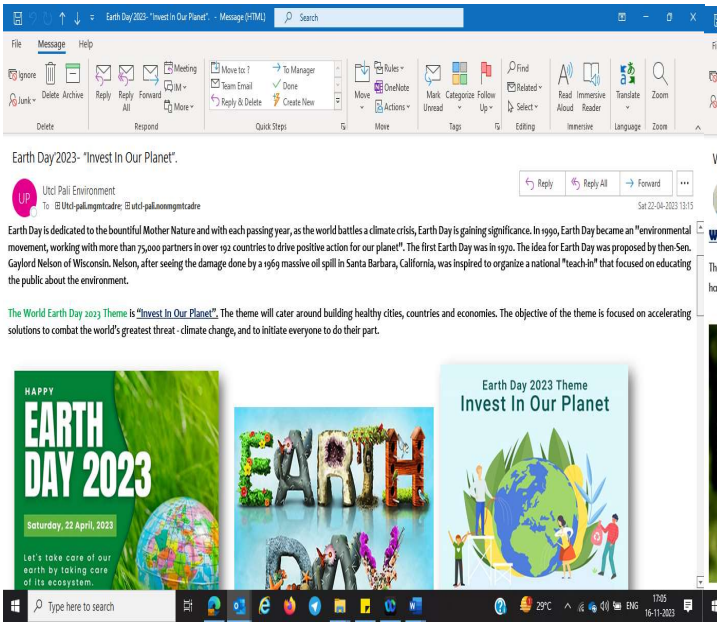
Environment Awareness Program at Unit and surrounding areas

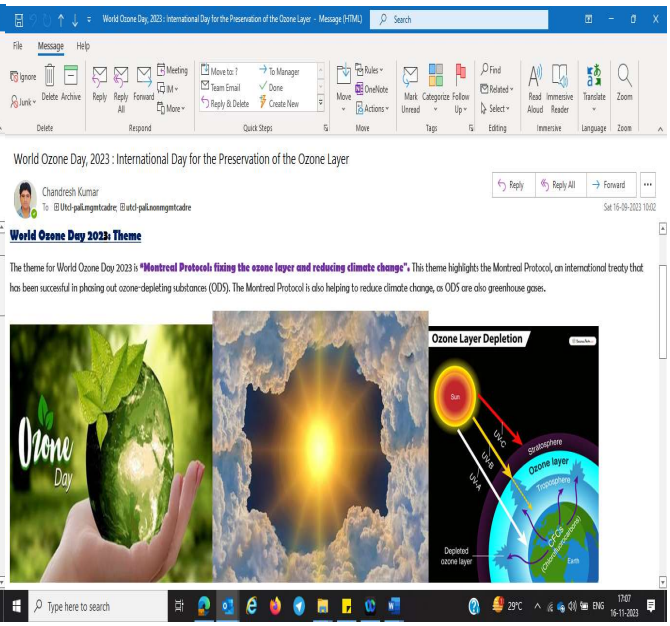












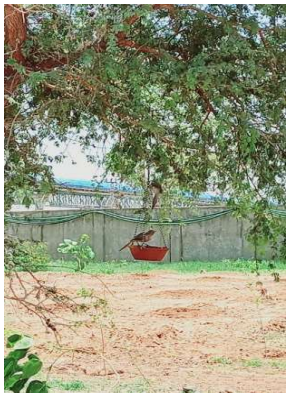
Environment Awareness through e-mails to employees


Pledge for Environment conservation


Mass Housekeeping and Beat the Plastic and housekeeping Campaign


Drawing competition in Environment and Beat the Plastic Theme Plastic


Warping of gift items in Biodegradable material instead of Plastic wrapping

Installation of Birds water feeder in Plant


Tree Plantation Activities in Plant & Surrounding school


Start using EV vehicles (Cars and utility vehicle) in place of diesel operated vehicles for transportation

प्लास्टिक पर्यावरण का दुश्मन एवं पर्यावरण संरक्षण हम सब की सामूहिक जिम्मेदारी : कुमार

अल्ट्राटेक सीमेंट ने पर्यावरण जागरूकता कार्यक्रम आयोजित किया पर्यावरण संरक्षण में आमजन की सहभागिता जरूरी सरपंच सरला गंगा विशन मेवाड़ा

News Coverage about the SINGLE Use Plastic (SUPs)

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 two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	The advertisement regarding grant of Environment Clearance has been published in 02 newspapers i.e. **Dainik Bhaskar** (Pali District Edition) & **Times of India** (Rajasthan State- Jaipur Edition) on **dated 30.10.2021.** The copy of the above newspapers has been submitted to IRO, MoEF&CC- Jaipur and RO, RSPCB- Pali vide e-mail on 30/10/2021 as well as vide letter no. UTCL/PCW/PLANT/EC/NEWS/2021-22/18-1 dated 30.10.2021. Copy of Environment Clearance letter also displayed on company website: www.ultratechcement.com/about-us/sustainability/environment

दैनिक भास्कर पाली सिटी. जिला पाली, शनिवार, 30 अक्टूबर, 2021 | 15

आम सूचना

सर्व साधारण की सूचित किया जाता है कि पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली के द्वारा मैसर्स अल्ट्राटेक सीमेंट लिमिटेड (यूनिट-पाली सीमेन्ट वर्क्स) गांव टूंकरा और बलाड़ा, तहसील: जैतारण, जिला पाली (राजस्थान) के एकीकृत सीमेन्ट सयंत्र का प्रस्तावित विस्तार क्लिंकर (2.2 से7.0 एमटीपीए) सीमेन्ट (3.3 से 7.5 एमटीपीए) सीपीपी (30 से 60 मेगावाट) डब्ल्यूएच आरएस (5 से 36 मेगावाट) और डी.जी.सेट (6 से12 मेगावाट) की स्थापना हेतु पर्यावरण स्वीकृति प्रदान की गई है। उपरोक्त पर्यावरण स्वीकृति पत्र की प्रति राजस्थान राज्य प्रदूषण नियंत्रण बोर्ड, जयपुर के कार्यालय में जन साधारण के लिए उपलब्ध है तथा पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली की वेबसाइट https://parivesh.nic.in पर भी देखी जा सकती है।

मैसर्स अल्ट्राटेक सीमेन्ट लिमिटेड
(यूनिट पाली सीमेन्ट वर्क्स)

10 TIMES NATION THE TIMES OF INDIA, JAIPUR SATURDAY, OCTOBER 30, 2021

PUBLIC NOTICE

It is informed to all that the project "Proposed Expansion of Integrated Cement Plant- Clinker (2.2 to 7.0 MTPA), Cement (3.3 to 7.5 MTPA), CPP (30 to 60 MW), WHRS (5 to 36 MW) and D.G. Set (6 to 12 MW) of M/s UltraTech Cement Limited (Unit- Pali Cement Works)" located at Village: Tunkra & Balara, Tehsil: Jaitaran, District: Pali (Rajasthan) has been accorded Environmental Clearance by the Ministry of Environment Forest and Climate Change, Govt. of India New Delhi. Copy of the above Environmental clearance letter is available with the office of Rajasthan State Pollution Control Board, Jaipur and may also be seen at the website of Ministry of Environment Forest and Climate Change, Govt. of India New Delhi https://parivesh.nic.in.

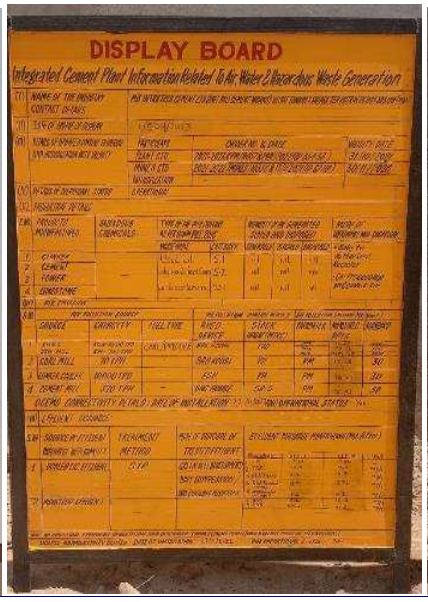
M/S. ULTRATECH CEMENT LIMITED
(UNIT: PALI CEMENT WORKS)

Advertisement regarding grant of Environment Clearance in newspapers

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	We have submitted the copy of Environmental Clearance to the following concerned/relevant offices vide our office letters dated 28/10/2021: - • The Executive Officer, Nagar Palika- Jaitaran • The Chief Executive Officer, Zila Parishad-Pali

	relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	• The Pradhan, Panchayat Samiti- Jaitaran • The Gram Panchayat- Balara • The Gram Panchayat- Tunkra • The District Collector-Pali • The General Manager, District Industries Centre-Pali • The Deputy Director Gen. of Forests, IRO-MoEF&CC-Jaipur • The Member Secretary, RSPCB-Jaipur • The Regional Office, RSPCB-Pali.
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.	We are regularly uploading the status of compliance of the stipulated Environment Clearance conditions along with monitoring data on company website www.ultratechcement.com on half yearly basis. Previous half yearly (period from Oct-22 to Mar-23) EC compliance report has been submitted in soft copy through e-mail {as per the MoEF&CC Notification dated 16/11/2018 vide S.O. 5845 (E)} by official e-mail id utcl-pali.environment@adityabirla.com on 27/05/2023 vide letter no. UTCL/PCW/MoEF/EC/Cement Plant/2023-24/14 dated 26/05/2023 to APCCF –MoEF&CC, Lucknow; Deputy Director General of Forest (C) –IRO, MoEF&CC, Jaipur; Regional Director-CPCB, Bhopal; Member Secretary- RSPCB, Jaipur & Regional Officer- RSPCB, Pali. The EC Compliance report has also updated on company websiteand as well as on website of the MoEF&CC.
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.	Monitoring of the ambient air pollutants i.e. PM_{10}, $PM_{2.5}$, SO_2, NO_2 & CO at Plant boundary and stack emission pollutants i.e. PM, SO_2, NOx (as NO_2) at process stacks (as per parameters applicability) is being carried out by MoEF&CC notified & NABL Accredited Laboratory and results are found within the prescribed standards. Online monitoring data of ambient air quality and stack emissions is being displayed at convenient location of the plant main gate in public domain (Online as well as offline) The monitoring data is also putted on the company website along with the half yearly compliance status report of the environment clearance conditions. website URL https://www.ultratechcement.com/about-us/sustainability.environment

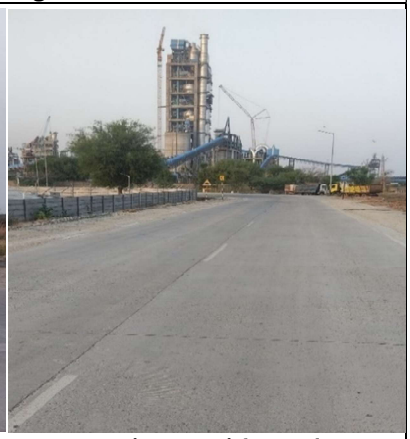
DIGITAL AND MANUAL DISPLAY BOARD AT PLANT MAIN GATE FOR ENVIRONMENT DATA DISPLAY



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.	We are submitting the six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the MoEF&CC at environment clearance portal. Previous half yearly (period from Oct-22 to Mar-23) EC compliance report has been submitted in soft copy through e-mail {as per the MoEF&CC Notification dated 16/11/2018 vide S.O. 5845 (E)} by official e-mail id utcl-pali.environment@adityabirla.com on 27/05/2023 vide letter no. UTCL/PCW/MoEF/EC/Cement Plant/2023-24/14 dated 26/05/2023 to APCCF –MoEF&CC, Lucknow; Deputy Director General of Forest (C) –IRO, MoEF&CC, Jaipur; Regional Director-CPCB, Bhopal; Member Secretary- RSPCB, Jaipur & Regional Officer- RSPCB, Pali. The EC Compliance report has also updated on company websiteand as well as on *website of the MoEF&CC.*
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.	We have submitted the Environmental Statement (Form-V) for financial year 2022-23 as prescribed under the Environment (Protection) Rules, 1986 to MS-RSPCB, Jaipur & RO-RSPCB, Kishangarh, vide letter UTCL/PLCW/ENV/PLANT/ES/2023-24/32 dated 25/09/2023. A copy of the same is also sent through e-mail dated 25/09/2023 to IRO- MoEF&CC, Jaipur, Regional Office- MoEF&CC, Lucknow & RSPCB offices. The Environment Statement will also be uploaded on company website www.ultratechcement.com.
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.	The site/land development work of Integrated Cement Project started from 16th February-2021. The Cement Plant (Line-1) is commissioned for Clinker production (3.75 MTPA) on 04/12/2022 and for Cement production (3.50 MTPA) on 12/12/2022. WHRS (Line-1) for 18 MW capacity is commissioned on 09/07/2023.
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.	We are continuously taking the action for implementation of all the commitments and recommendations made in the EIA/EMP report; commitment made during Public Hearing and commitment/suggestions during presentation to the Expert Appraisal Committee (EAC) along with/after the project development as per the timeline/action plan.

Present status of EAC meeting points including EMP & Public hearing commitments/ activities for addressing the issues raised during public hearing are as under:

S.N.	Commitments to EAC	Status
I.	Revised rain water harvesting plan: To meet the 3000 m3/day water requirement for proposed integrated cement plant PP proposes the following:	We have submitted the revised Rainwater harvesting plan to Environment Appraisal Committee (EAC) vide letter no. UTCL/ENV/MUM/2021/158 dated 29.09.2021 for reduction of ground water usage and to meet the water requirement for integrated cement plant.
i)	02 nos. Rainwater Harvesting Pit/reservoir in Captive Limestone Mine	Presently Mining is in initial stage and no mining pit has developed in our captive Limestone mine. 01 no. Rainwater harvesting reservoir/pond is under development at our Captive Limestone Mine.
ii)	01 no. Rainwater Harvesting reservoir in Cement Plant	Rain water harvesting measures are planned in cement plant and same will be developed along with the construction of cemented roads/floor area & rain water drains as per the slope/gradient of the area to collect the rain water.

II.	Revised action plan in term of physical targets to address the issues raised during- public hearing,	We have submitted the revised/updated Public Hearing action plan conducted on 02/03/2021 including the earlier Public Hearing issues which was conducted on 27/02/2013 to Environment Appraisal Committee (EAC) vide letter no. UTCL/ENV/MUM/2021/158 dated 29.09.2021. We have reviewed the budget for implementing the Public Hearing action plan and the same covers all the issues raised during earlier PH and in recent PH. The revised budget for implementation of public hearing action plan comes to be around Rs. 223.07 lakhs and the Cost of Rs. 99.47 lakhs already spent for implementation of earlier PH issues conducted on 27/02/2013. Therefore Rs. 123.6 lakhs will be spent as proposed for the addressing the issues raised during public hearing conducted on 02/03/2021 as per MoEF&CC O.M. dated 30/09/2020. Till sept-2023 we have spent the approx. Rs. 39.60 Lakhs for addressing the issues raised during public hearing apart from CSR activities. Activities are undertaken as per the action plan for addressing the issues raised during public hearing and detailed status of the same is being submitted financial year wise along with EC compliance report. All activities will be implemented as per the need/requirement of villages.
III.	Commitment to develop the green belt area in 40% of the total project area before 31st December,2024.	Green belt development is ongoing program. So far, 22350 nos. of tree saplings have been planted in 14.90 ha project area of cement plant. The plantation is continued to develop the green belt as per the plan.
IV.	Commitment to widened and strengthened the village road passing between project sites to crossing the road.	The widening (upto 10-meter-wide) and strengthening of 18 km road from Nimaj Highway to Cement Plant site has been completed under PPP Mode.
V.	There is a part of village road, around 500 m, dividing the project site in two parcels, PP assured to widen and strengthen the same.	Company has constructed an alternative cemented road (approx. 3.5 Km long & 7.5 meter wide) at own purchased land, which is connecting the Cement plant site with the above completed road of Nimaj to Balara. Presently company is using the same road for material and product transportation. Widening and strengthening work 500 m village road passing between the project site is under progress.
	 **Road constructed from Nimaj Highway to Plant site (18 Km long & 10-meter-wide road work is completed)**	  **Alternative Road made by company for transportation material & product (3.2 km long & 7.5 meter wide)**
VI	Revised the EMP budget after inclusion the monitoring cost of the	We have included Ground Water monitoring twice a year in the Environment Management Plan (EMP) and the revised EMP cost has

	ground water twice in a year.	been submitted to EAC vide letter no. UTCL/ENV/MUM/2021/158 dated 29.09.2021.
VII	Committed to kept the Sulphur content as 8.5% in the petcoke.	The sulphur content in the Petcoke is being maintained below the 8.5% and petcoke is only used cement plant kiln as feedstock.
VIII	Commitment to provide the three (3) Continuous Ambient Air Quality Monitoring Stations (CAAQMS) as per the CPCB guidelines after obtaining the approval of SPCB for monitoring station location.	We have provided the 3 nos. Continuous Ambient Air Quality Monitoring System (CAAQMS) at prominent locations within the plant premises. The locations of Ambient Air Quality Monitoring stations have been approval from Regional Office-RSPCB vide letter no RPCB/RO/PALI/3320 dated 13/01/2022.

CAAQM Station installed respectively at SW, NE and NW Plant Boundary

IX	Deepening of ponds in nearby village under CSR for rainwater harvesting.	As advised, the pond deepening activity is being carried out under CSR in nearby village Balara, Tunkra, Asarlai and Mohrai for rainwater harvesting and will continue the same.
X	Install rigid discharge electrodes and high frequency converters in the Cooler Electrostatic Precipitators (ESP) to maintain the emissions.	As suggested, we have installed high efficiency Electrostatic Precipitators (ESP) with rigid discharge electrodes in clinker Cooler to maintain the emissions as prescribed by MoEFCC vide Notification dated 10.05.2016.
XI	Not to co-process used oil / spent oil in the kiln	We are/will not use Used Oil / Spent oil as co-processing in the kiln and the same is being sold to CPCB/RSPCB authorized recycler.
ix	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).	Noted. We will not carry out any further expansion or modifications in the plant without prior approval of the MoEF&CC.
x	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.	Noted. We ensure to submit truthful data along with the environment clearance compliance status reports.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted. Implementation of all the above applicable conditions of the environment clearance is being done.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted. We will implement all the additional applicable conditions in time bound manner, if stipulated any by MoEF&CC.
xiii	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project	Noted.

	authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	We will extend our full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
xiv	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.	Noted.

For M/s UltraTech Cement Ltd
(Unit: Pali Cement Works)

(Ravi Kumar Nune)
Unit Head