ADITYA BIRLA

UltraTech

UTCL/RWCW/ENV/B-12/2021/94

Date : 21/09/2021

To,
The Member Secretary,
Chhattisgarh Environment Conservation Board,
Paryavas Bhawan, Paryavaran Vibhag,
Naya Raipur, CG

Sub: Submission of Environment Statement of 3.3 MTPA Cement Production Including 6.5 MTPA Clinker Production, 80 MW TPP, 16MW WHRB and 2x6=12 MW DG Sets at UltraTech Cement Ltd., Unit - Rawan Cement Works Village-Rawan, Dist.-Balodabazar-Bhatapara, CG for the financial year 2020-21.

Ref. 1. MoEF Letter No. - J-11011/262/2009- IA II (I) dated 17.03.2011 & Name change EC letter dated 05.09.2016
2. CECB CTO letter No. 6416/TS/CECB/2018 Naya Raipur, dated 13/02/2018 & Letter No. 6418/TS/CECB/2018 Naya Raipur, dated 13/02/2018.
3. CECB CTO letter No.3004/TS/CECB/2021 Naya Raipur, Atal Nagar dated 04/08/2021 & 3005/TS/CECB/2021 Naya Raipur, Atal Nagar dated 04.08.2021.
4. CECB CTO letter No.10800/TS/CECB/2020 Naya Raipur, Atal Nagar dated 04/08/2021 & 10801/TS/CECB/2021 Naya Raipur, Atal Nagar dated 03.03.2020.

Dear Sir,

This has reference to above and under the provision of Rule 14 of Environment Protection Act, 1986, we are submitting herewith the Environment Statement for the financial year 2020-21 of our 3.3 MTPA Cement Production including 6.5 MTPA Clinker Production, 80 MW TPP, 16MW WHRB and 2x6=12 MW DG Sets.

Kindly acknowledge the receipt.

Thanking you,

Yours faithfully,

For, UltraTech Cement Ltd.,
Unit – Rawan Cement Works

Anish Agrawal
Unit Head

Encl: As above

Copy to:

The Regional Officer, C.E.C.B, Commercial Complex,
Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (CG) 492099

Ministry of Environment, Forests & Climate Change,
Integrated Regional Office Aranya Bhawan, North Block, Sector-19
Naya Raipur, Atal Nagar, Chhattisgarh 492002

The Regional Director,
Central Pollution Control Board,
Paryavaran Parisar, E-5, Arera Colony,
BHOPAL – 462 016 (MP)

UltraTech CEMENT
The Engineer's Choice

UltraTech Cement Limited
(Unit : Rawan Cement Works)
P.O. : Grasim Vihar, Vill : Rawan, Distt.: Baloda Bazar-Bhatapara-493196 (C.G.)
CIN : L26940MH2000PLC128420

FORM V
(See rule 14)

Environment Statement for the financial year 2020-21 ending on 31st March 2021

PART A

1	Name and Address of the Owner/Occupier of the Industry operation or process	:	**Anish Agrawal**, Unit Head UltraTech Cement Ltd., Unit – Rawan Cement Works P.O. Grasim Vihar, Village-Rawan Distt. Balodabazar-Bhatapara Chhattisgarh - 493196.
2	Industry Category Primary (STC Code) Secondary (STC Code)	:	Cement Manufacturing
3	Production Capacity (Units)	:	Cement Production – 3.3 MTPA Clinker Production – 6.5 MTPA Captive Thermal Power Plant – 80 MW Waste Heat Recovery Boiler – 16 MW Power Generation –12 MW (2 x 6.0 MW D.G.Sets)
4	Year of Establishment	:	Cement production and Power Generation by DG- 29th March, 1995 Waste Heat Recovery Boiler – 11.04.2015 Captive Thermal Power Plant – 01.09.2008
5	Date of the last Environmental Statement submitted.	:	21.09.2020

PART B

WATER AND RAW MATERIAL CONSUMPTION

(i) Water Consumption in M^3/Day

Water Consumption	During the current financial year
Process	Nil
Cooling / spraying	2103.83
Domestic	722.47

Note: Process water is not required as cement manufacturing is dry process.

Water Consumption per unit of Product output m^3/MT of Cement		
Name of Product	**During the previous financial year**	**During the current financial year**
I) Cement m^3/MT of Cement	0.239	0.27

(ii) Raw Material Consumption in Cement plant

Name of Raw Material	Name of Product	Consumption of Raw Material per unit output (MT)	
		During the previous financial year	During the current financial year
Limestone	Clinker	1.46	1.44
Iron Ore	Clinker	0.0042	0.01
Coal	Clinker	0.1032	0.10
Gypsum	Portland Cement	0.0327	0.03
Fly Ash	PPC	0.3486	0.35
Fly Ash	PCC	0.2684	0.27
Slag	PCC	0.3396	0.25
Lub. Oil (Liter/KWH)	Power generation by DG 1+2	0.00	0.00
Diesel/Furnace Oil(Liter/KWH)	Power generation by DG 1+2	0.00	0.445

Raw Material Consumption in TPP

Name of Raw Material	Name of Product	Unit	Consumption of Raw Material per unit output	
			During the previous financial year	During the current financial year
Coal	Indigenous Coal	MT/MwH	0.965	0.921
Caustic Soda	DM water	Kg/KL	0.075	0.058
Hydrochloric Acid	DM water	Kg/KL	0.206	0.172
Morpholine	DM water	Ltr/KL	0.017	0.024
Hydrazine	DM water	Ltr/KL	0.168	0.134
Tri-Sodium Phosphate	DM water	Kg/KL	0.0021	0.003
Sulphuric Acid	consumption in cooling tower	Kg/KL	0.090	0.117
Sodium Hypochloride	consumption in cooling tower	Kg/KL	0.091	0.164
Corrosion Inhibitor	consumption in cooling tower	Kg/KL	0.013	0.028
Scale Inhibitor	consumption in cooling tower	Kg/KL	0.013	0.028
BIOCIDE	consumption in cooling tower	Kg/KL	0.005	0.011
Bio dispersent	consumption in cooling tower	Kg/KL	0.018	0.038
Oxidising biocide	consumption in cooling tower	Kg/KL	0.051	0.077

PART C

POLLUTION DISCHARGED TO ENVIRONMENT/UNIT OF OUTPUT (PARAMETER AS SPECIFIED IN THE CONSENT ISSUED)

(Parameter as specified in the consent issued)

(a) **Water pollutant details:** No water pollutants directly discharging to Environment

Treated Waste Water Results of STP F/y 2020-21		
Parameters	**Avg.**	**Remarks**
PH	7.34	We have installed STP capacity of 500 KLD in Staff Colony. We are maintaining Prescribed parameters within limit.
Suspended Solids (SS) (mg/l)	11.7	
BOD (mg/l)	10.8	
COD (mg/l)	41.1	
Oil & Grease (mg/l)	<1	

Treated Waste Water Results of STP F/y 2020-21		
Parameters	**Avg.**	**Remarks**
PH	7.29	We have installed STP capacity of 250 KLD in Staff Colony. We are maintaining Prescribed parameters within limit.
Suspended Solids (SS) (mg/l)	15.7	
BOD (mg/l)	8.1	
COD (mg/l)	32.5	
Oil & Grease (mg/l)	<1	

(b) Air pollutant details

(1) Pollutants (PM)		**Quantity of pollutants discharged (mass/day)**	**Concentration of pollutants discharged (mass/volume)**	**Percentage of variation from prescribed standards with reasons.**	
Line	Stack Name	**Ton/Day**	**mg/m3**	**%**	**Reasons**
I	Raw Mill + Kiln (Bag House)	0.20	16.30	-18.72	We have installed appropriate air pollution control equipments (viz. ESP, Bag House & Bag Filters).
	Coal Mill (Bag House)	0.03	3.37	-30.74	
	Cooler (ESP)	0.12	11.05	-21.98	
	Cement Mill (Bag House)	0.01	2.34	-32.87	
	Poloycom (Bag House)	0.04	4.15	-41.40	
II	Raw Mill + Kiln (Bag House)	0.51	63.78	-20.80	
	Coal Mill (Bag House)	0.07	8.49	-32.22	
	Cooler (ESP)	0.29	41.30	-33.12	
	CPP (80 MW) ESP	0.07	10.84	-17.57	

(-) Concentration is lower than the prescribed limit.

Ambient Air Quality Monitoring

Monitored Parameters	Permissible Limits (µg/m³)	Locations			
		Guest House	Security Tower	Khapradih gate	Village - Rawan
		Average			
$PM_{2.5}$	60	19.78	30.09	24.05	33.80
PM_{10}	100	54.94	66.95	65.95	60.00
SO_2	80	26.51	15.42	19.39	19.80
NO_2	80	21.45	24.25	20.37	27.30
CO	2000	0.64	0.00	1.04	0.70

PART D
HAZARDOUS WASTES

(As specified under 1[Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous wastes	Total quantity in MT	
	During the previous financial year	During the current financial year
From Process	Used Oil (Cat. 5.1): 26.67 MT Waste Oil (Cat. 5.2): 6.65 MT Empty barrels (Cat.33.1): 7.78 MT	Used Oil (Cat. 5.1): 27.18 MT Waste Oil (Cat. 5.2): Nil Empty barrels (Cat.33.1): 7.729 MT
From Pollution Control facilities	Nil	Nil

PART E

SOLID WASTES

Solid wastes	Total quantity (MT)	
	During the previous financial year	During the current financial year
a)From Process	1. Cement Plant- No solid waste is generated from the cement manufacturing process. 2. Fly Ash from TPP - 85940.685 MT 3. Bed Ash from TPP-	1.Cement Plant- No solid waste is generated from the cement manufacturing process. 2. Fly Ash From TPP - 82198.00 MT 3. Bed Ash from TPP-
b) From pollution control facilities	All fine material collected in dedusting hoppers of APCDs are reused in process. Therefore no waste generation from pollution control facility.	All fine material collected in dedusting hoppers of APCDs are reused in process. Therefore no waste generation from pollution control facility.
c) 1. Quantity recycled or re-utilized within the unit	1. All the collected swept waste is reused in the process. 2.Fly Ash from TPP - 85940.685 MT 3. Bed Ash from TPP – 13615.00	1.All the collected swept waste is reused in the process. 2.Fly Ash from TPP - 85940.685 MT 3 Bed Ash from TPP- 11,685.80
2. Sold	Nil	Nil
3. Disposed (Bed Ash disposed in low lying area with in plant premises and manufacturing of Cement (PPC) and Raw Mix.	13615.00	11,685.80

- Note - All fine material collected in dedusting hoppers of APCDs are reused in process Therefore no waste generation from pollution control facility.

PART F

PLEASE SPECIFY THE CHARACTERISTICS IN TERMS OF CONCENTRATION AND QUANTUM OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADAPTED FOR BOTH THESE CATEGORIES OF WASTES.

There is no scope for generation of any Hazardous & Solid wastes in cement manufacturing process, as the pollution control equipments restrain the emission and the entrapped solid wastes are recycled completely in the process. Actually the dust collected at ESP's and bag filters is nothing but our useful product. Hence, due care is taken for its recovery and the entire quantity is reutilized.

Hazardous waste: the used Oil and waste oil generated from the different sections of plant is being collected in empty drums and barrels and then sent to store department for proper handling and storage. The store department stores all collected hazardous waste at specified location as per Hazardous & Other Wastes (Management, Handling and Trans boundary Movement) Rules, 16 from where the hazardous waste is being sold out to SPCB authorized recyclers.

Solid Waste:

Solid waste generated from process operations is especially through spillage of the various raw materials or the finished product i.e. cement. This spilled material is being recycled into the process. Hence, there is no solid waste generated during the process of cement manufacturing. The solid waste generated from the captive thermal power plant is dry fly ash and bed ash. The dry fly ash collected from the ESP hoppers is pneumatically conveyed to the intermediate silo and again it is pneumatically conveyed to the 5000MT fly ash silo near cement mill and finally consumed in the manufacturing of Portland Pozzolana Cement. The bed ash is pneumatically conveyed to bed ash silo and finally disposed off by filling in the low lying area within the plant premise.

PART G

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

The management of Rawan Cement Works, UTCL is quality conscious. The environment management plan is carefully devised and implemented. In the financial year 1997-98, we have achieved the highest international standards for Environment i.e. ISO 14001. That shows our commitment for preserving the natural resources. We have incorporated state-of-the-art technology available in the globe to ensure production of best quality product at the economic cost and optimum energy consumption. We are utilizing 100% dry fly ash generated from the captive thermal power plant in the manufacturing of Portland Pozzolana Cement.

Pollution control measures

Rawan Cement Works, UTCL is provided with four numbers of high efficient ESP's, 5 no's bag house and one no. Reverse air bag house in major stacks and 120 Nos of bag filters in minor vents/ transfer points to abate dust/gaseous emission. Low NOx burners installed in Kiln main Stack. Water sprinkling arrangement has also been made at different plant locations and transfer points to suppress fugitive dust. Barrier plantation is also taken up to curtail wind velocity to help reduce fugitive emission.

The entire captive Thermal Power plant has been designed and planned to be operated with environmental protection in focus.

- Turbines are designed to operate with efficient steam consumption per unit of power generated;
- Circulating fluidized bed combustion (CFBC) boilers have been provided with SO_x control measures and low NO_x burners and designed to give high thermal efficiency
- CFBC boilers are designed to take indigenous coal as fuel.
- High efficiency electrostatic precipitators, for Boiler ensure 100% operation at all time and are designed to emit PM less than 30 mg/Nm^3 for cement plant & 50 mg/Nm^3 for TPP when all the 4 ESP fields are charged.
- One stack of 110 meter is provided and connected to boiler, which also help in better dispersion of pollutants like particulate matter and SO_2;
- Dry ash collection system has been incorporated to ensure ash use in various applications. This is in line with the CREP recommendations as well;
- Dust emission from coal stockyard and handling plant is controlled by Dust Suppression System such as dust collector. Water spray by means of fixed or swiveling nozzles is provided at material transfer point such as Crusher house, Bunkers, Conveyor chutes etc. to suppress the dust.

- Entire wastewater generated from power plant is reused after treatment in neutralization pit. It is used for spraying in coal handling, dust suppression and for plantation and green belt development. Domestic wastewater is treated in the Sewage Treatment Plant and utilized for horticulture purpose.

Uniquely designated dust curtains made of scrap conveyor belts are used in drop chutes to further prevent the fugitive emission. Regular air quality monitoring is carried out to ensure the requirements as per the standards. The statutory requirements as per consent conditions are met on regular basis.

The cooling water is recycled completely thereby saving considerable quantity of water. Domestic sewage Water is being treated in sewage treatment plant (STP). The STP is operated and maintained on round the clock basis. The treated water is maintained well below the stipulated discharge norms. Nursery and garden is maintained near STP and treated wastewater is used for Horticulture purpose. The sludge generated is dried in sludge drying beds and used as manure for plantation. The entire water management part is thoroughly planned to maximize its best utilization and in-turn is enriching the natural environment at Grasim Vihar. We had installed and commissioned water treatment plant for treatment of mines sump water and used for drinking / domestic purpose, thereby extraction of ground water is totally stopped for plant / colony /mine domestic purpose and ultimately conserved the precious ground water.

Use of Alternative fuels: - Rawan Cement Works has started using alternate fuel in its Cement Kiln and obtained regular permission to use Non Hazardous and Hazardous waste as alternate fuel. We have installed dedicated alternative fuel feeding system and installed a shredder machine for cutting of Plastic Waste.

Details of Utilization of Wastes as a fuel during 2020-21

1. Non Hazardous Waste:

Waste Name	Utilisation Quantity in MT
Plastic Waste	4885.0
FMCG	396.06

2. Non Hazardous Waste

Waste Name	Utilization Quantity in MT
Organic Residue (Category 29.1, Schedule – 1)	30.586

The horticulturist is putting continuous efforts to promote Green belt in-and-around the plant area. Local species of trees are selected as approved by DFO, Raipur and green belt is developed. The nos of plantation in plant & colony was 358450 saplings till 31st March, 2020 with 79.9 %. Survival rate. The plant has done major contribution towards development of ecological balance in the area. Sapling details are as follows:

Sr. No.	Species Name	Sr. No.	Species Name
1	Teak	13	Gulmohar
2	Shisham	14	Neem
3	Karanj	15	Chatim
4	Peltaforum	16	Siras
5	Casia samia	17	Mango
6	Eucalyptus	18	Bottle palm
7	Gliricidia	19	Pipal
8	Amaltash	20	Guava
9	Ashoka	21	Amla
10	Bamboo	22	Jamun
11	Ficus	23	Bel
12	Champa		

We are committed to preserve and improve the ecological balance in-and-around the plant area. In order to achieve this, we have taken the above steps to make the plant eco-friendly.

PART H

ADDITIONAL INVESTMENT PROPOSAL FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION.

In current financial year of 2020-21 an expenditure of about Rs. 1155.24 lacs has been made for better environment management. The expenditure statement offers an encouraging picture of environmental quality maintained in the current year and hopefully to be managed in future Expenditure on Environmental Protection.

Expenses Head	Rs. Lakhs
Environment related Expenses	91.96
Horticulture related Expenses	117.30
Water Tanker used for dust suppression	18.14
Rates & Taxes for Environment	5.57
Depreciation on Pollution control equipment's	20.47
Salary Environment manpower	24.17
Pollution control spares	4.48
Power consumption cost for running major pollution control equipment	826.22
Road pavement to avoid fugitive dust generation	46.93
Total Expenditure in Lakhs	**1155.24**

CSR activities: A dedicated team of Rural development Department is working for CSR at surrounding area covering twenty Panchayats / Group gram panchayats covering total 22 villages:

**CSR Expenditure in FY -2020-21

Focus Area	Expenditure (In Lakhs)	Beneficiaries
Education and Capability Enhancement	6.57	10425
Health Care	4.80	6500
Infrastructure Development	76.74	19815
Social Empowerment	11.21	25600
Sustainable Livelihood	31.96	12600
Total	**131.28**	**74940**

**** CSR Expenditure is common for Integrated Cement Plant including limestone Mines.**

List of major activities completed in FY-2020-21

❖ COVID-19 SUPPORT:

1. Ration Kit comprising of grocery items like Rice, Dal, Oil, Salt, Masala, Biscuit distributed among the most vulnerable sections like elderly person, destitute women, daily wage earner, migrant labors etc at their door step
2. Fund raising initiative from employee through door-to-door visit and supply equipment to district Administration in setting up COVID-19 hospital.
3. Engaged Women Self Help Group (SHG) to stitch Nose Mask and distribute among the villagers, workers, petty vendors, drivers etc.
4. Supply clinical safety equipment for medical staffs to district headquarter hospital, Balodabazar.
5. Telephonic consultation of Unit Head with Sarpanch on support required and regular tracking of Migrant labour.
6. Regular coordination with district social welfare dept., Block CEO, disaster preparedness dept. etc
7. Donated Oxygen Concentrator to Covid-19 hospital, Simga

❖ EDUCATION:

1. Gyandhara (Rural Digital Learning & Information Center): GYANDHARA is conceptualized to established a digital learning & information center in existing Panchayat premises to promote education, training and information dissemination through digital platform. Our 1st GYANDHARA is established at Guma mining village. This center has 25 sitting capacity and 8 Computers with internet connectivity. Regular training on digital literacy, library, doubt clearing sessions and training programmes are organized for different stakeholders.

2. **Basic Computer Training:** During the year, a 3-months certificate course on basic computer (IT&ITES) training was organized in Guma village for Youth. The course is affiliated by NCVT under its Modular Employable Scheme (MES) and under jointly conducted by Girls Polytechnic, Raipur 25 Students out of which 19 were female and 6 were Males Youth. The course content were MS Office and Internet Operation and will complete by April 21.

3. **Pradhan Mantri Gramin Digital Saksharta Abhiyan (PMGDISHA):** Government of India launched "Digital India" with a vision to make one person in every family digitally literate. Under our E-Governance initiative every Common Service Center (CSC) were engaged to provide training and certification under this scheme. So far, our Village Level Entrepreneurs (VLE) has completed training and certification of 24 Youth under this scheme in 4 different Villages.

❖ **SUSTAINABLE LIVELIHOOD:**

Digital Village: CSR Dept. has launched "Digital Village" project in its operational Panchayats to strengthen their services delivery mechanism so that villagers will easily access information, services and schemes. During the year project was launched in 11 Panchayats. CSR Dept., Panchayat body and Govt. CSC department, jointly implements this intervention. CSR Dept. has provided IT materials.

1. 11 Panchayats are now fully connected with online Common Service portal and giving Government to Citizen (G2C) and Business to Consumer (B2C) services to its villagers,
2. 11 Youth are engaged as Village Level Entrepreneur (VLE) out of which 3 are Women in this initiative and earning their livelihood on entrepreneurship mode
3. 26 Youths are so far trained and certified under PMGDISHA digital literacy programme
4. 1850 registration so far has done under Ayushman Bharat Insurance scheme
5. Average Rs. 250.00 revenue per day each VLE is generating through commission by providing e-recharge, online bill payment etc

Women Economic Empowerment: To promote women economic empowerment, numerous activities were undertaken during the financial year in CSR operational area. Some of major activities are as follows

1. **Distribution of Sugar Grinding Machine and Weighing Machine to SHG:** During the year Two Self Help group has provided Sugar Grinding Machine and Weighing Machine. One SHGs consisting 16 members is engaged in preparing and packaging of Ready to Eat food and supply to Anganwadi Centers as per the contract with WCD department, and another group consisting 14 members managing Public Distribution System (PDS) in the village

2. **Community Nursery:** To engage the women SHG to a micro business of development and supply of sapling "Community Nursery" project is introduced in Guma Panchayat. The project has a vision of developing 10,000 saplings in FY 2021-22 and plant across the village. CSR dept. has supplied water tank, pipe, sprinkling can, seeds etc to the group as a support. It is expected to earn 2 Lakh rupees by SHG in a season from this project.

3. **Registration Drive of Women Self Help Group (SHG) under BIHAN Scheme:** Govt. of Chhattisgarh has launched "BIHAN" project under State Rural Livelihood Mission (SRLM) to mainstream the rural women in economic activities. 78 SHGs from 4 villages of our CSR operational area were not registered due to hard to reach area. During the

financial year entire 78 SHGs consisting 945 Women were registered under BIHAN project. They were provided training, bank linkage and involving in income generating activities by govt. dept.

4. **Nutri-Garden Initiative:** Nutri-garden project was started in three villages, the primary target population was Women Self Help Group whom vegetable seeds, seedling tray and training was provided to develop vegetable plants and distribute among villagers. Three vegetable nursery was developed at Guma, Padkidhi and Chuchrungpur on variety of vegetables like Radish, Cauliflower, Eggplant, Beans, Cabbage, spinach etc are distributed among the villagers. The project also mobilizes 2500 Guava, Mango, Drumstick, lemon plants from Horticulture dept. and distributed among the villagers. The project has duel objective of encouraging backyard farming to upgrade the nutritional level among the villagers and selling of surplus production for economic benefit.

Training Period	**3 Month**
Batch Size	**25 Women**
Coverage Area	**3 Panchayat**

5. **Tailoring Training for Women:** A three-month Tailoring Training was started for rural school dropout girls and women of 3 CSR operational villages at Rural Development Center, Rawan in February 2021. The course is certified by Girls Polytechnic College, Raipur. The course will help the trainee to get skilled with operating of sewing machine with cutting of cloth, stitching and embroidery etc

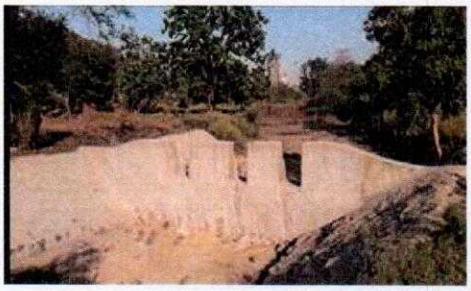
Training Period	**3 Month**
Batch Size	**25 Women**
Coverage Area	**3 Panchayat**

6. **Career Counseling and Skill Development:** To address the unemployment issue among local Youth, Career counseling and skill development seminars are organized at different villages with the collaboration of channel partner ICICI Skill Academy, Bhilai. Total 13 Youths shown interest to take admission in Skill Development courses offered by ICICI Skill Academy.

Youth Participated	**108**
Panchayat Covered	**03**
Total seminar Organized	**03**

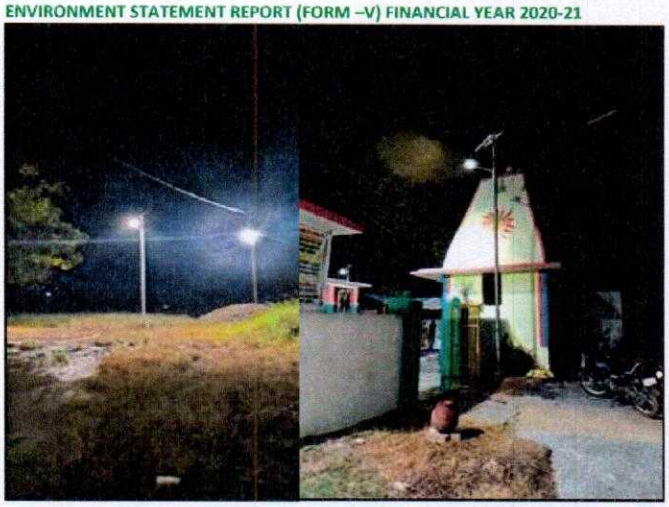
❖ INFRASTRUCTURE DEVELOPMENT:

1. **Construction of Check dam:** The Project will benefit in controlling soil erosion of paddy field including storage of rain water and increase the water table in the village.



Project Village	**Rawan**
Project Cost (In Lakh)	**0.98**
Benefiting Population	**1800**

2. **Solar Street Light Fitting:** Solar Streetlight of 25-Watt capacity was installed to encourage renewable energy among the general population.



Project Village	**Suhela**
Project Cost (In Lakh)	**1.82**
Benefiting Population	**4400**

3. Water Tank Fitting: Two Water Tank with a Capacity of 1000 liter each has installed at Khapradhi to address water issue in the village.

Project Village	**Khapradhi**
Project Cost (In Lakh)	**0.68**
Benefiting Population	**1700**

4. Road Construction: Rawan, Chuchrungpur, Sarseni and Khapradhi road bitumen repairing) Road Condition from Rawan Truck Yard to Khapradhi was very poor and during the year bitumen repairing was done.

Project Coverage -	**4 Panchayats**
Project Cost (In Lakh)	**11.81**
Benefiting Population	**4400**

5. **Construction of Concrete Road at Pendri Village:** Pendri village road condition was very poor and villagers were demanding for concreting of same. During the year the same is constructed.

Project Village	**Pendri**
Project Cost (In Lakh)	**8.59**
Benefiting Population	**1600**

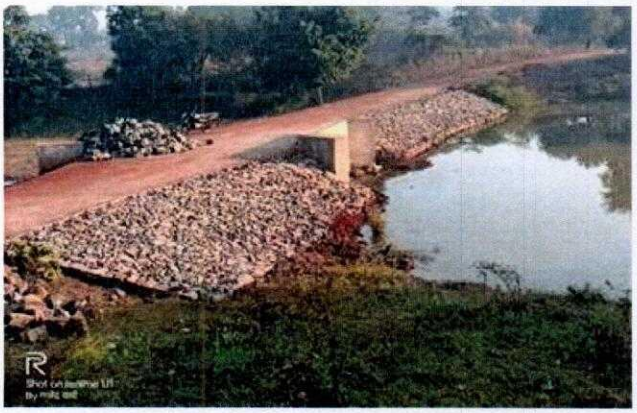
6. **Road Repairing of Paddy Field:** Rawan Village Paddy field farmers were getting bad road condition issue. Transporting Paddy from the field was a major difficulty for them. During the year the road has been repaired.

Project Village	**Rawan**
Project Cost (In Lakh)	**1.65**
Benefiting Population	**200**

7. **Construction of Community Building including Electrification:** Since long Pendri Village was demanding a community building for their meeting and gathering purpose. The said demand was met during the reporting financial year with electrification.

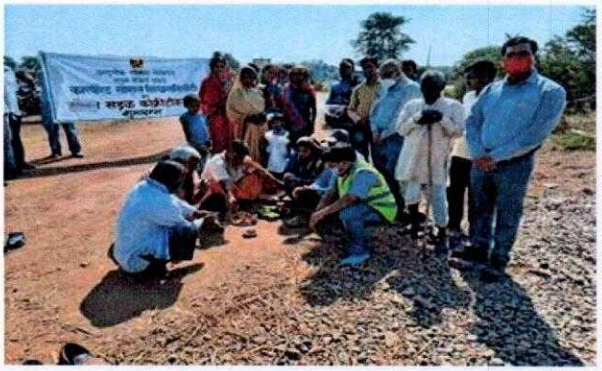
Project Village	**Pendri**
Project Cost (In Lakh)	**5.52**
Benefiting Population	**1600**

8. **Pond Stone Pinching:** To reduce the soil erosion and protect the wall from heavy rain, Pond pinching was done. This initiative will also help in absorbing the access rain water to ground.



Project Village	**Khapradhi**
Project Cost (In Lakh)	**1.36**
Benefiting Population	**1700**

9. **Road with Culvert Concreting:** Heavy flow of rain water during rainy season damage the main road connected with Tildabandha, Fulwari and Nevari village. To address this issue culvert with concrete road was constructed.



Project Village	**Tildabandha**
Project Cost (In Lakh)	**1.36**
Benefiting Population	**1600**

10. **Road Side Plantation:** Plantation drive was organized at Rawan Village along with Panchayat body and Women leaders to promote environmental protection. The project included with fencing provision.

Project Village	**Rawan**
Project Cost (In Lakh)	**3.76**
Benefiting Population	**2700**
Total Sapling Planted	**3000**

11. **Construction of Cultural Stage:** During the Fiscal year one Cultural Stage was constructed as per the request of Panchayat body to promote cultural activities in the village. The stage will be used for conducting different cultural and traditional activities by the village
12. Divider Grill Fitting, Plantation and Installation of Drip Irrigation

❖ **SOCIAL EMPOWERMENT:**

1. **Community Level Road Safety Campaign:** Road safety awareness camp was organized in four different Panchayats on National Road Safety week. Objective of the activity was to generate awareness among the general population and inculcate the road safety behavior.

Total Villages Covered	**4**
Benefiting Population	**149**

2. **Youth Engagement Initiatives:** To engage the rural youth in different recreational activities, sports materials are distributed in different villages. This helped the youth in engaged themselves in sports and keeping away from any kind of antisocial activities.

Total Villages Covered	**15**
Benefiting Population	**450**

3. **HIV/AIDS Awareness Camp:** On the occasion World HIV/AIDS Day, one-day awareness camp was organized for Truck drivers in Truck Yard, Rawan. Resource Person from Medical Department has narrated different reasons of its spread and advise the precautionary measures to be taken.

World Environment Day Celebrations - Date: 05th Jun 2020

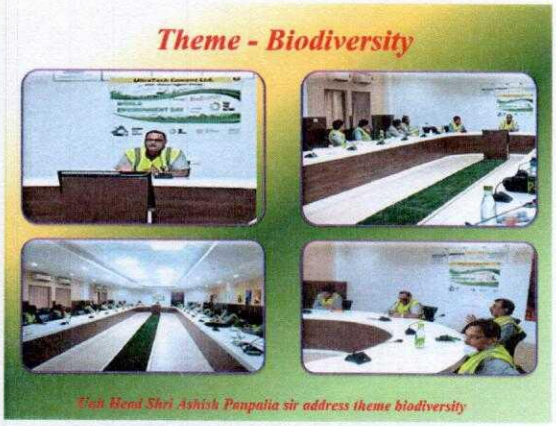
UltraTech Cement Limited (Unit: Rawan Cement Works)

World Environment Day is an annual event that is aimed at being the biggest and most widely celebrated global day for positive environmental action. World Environment Day activities take place all year round but climax on 5th June every year, involving everyone from everywhere. World Environment Day (WED) is the United Nation's principal vehicle for encouraging worldwide awareness and action for the environment. Over the years it has grown to be a broad, global platform for public outreach that is widely celebrated by stakeholders in over 190 countries. It also serves as the 'people's day' for doing something positive for the environment, galvanizing individual actions into a collective power that generates an exponential positive impact on the planet.

The world Environment day theme this year: **"Biodiversity"**

RWCW is committed to conserve the environment and in line with this RWCW has Celebrated World Environment Day on 5th June, 2020 to spread Environment Awareness.

The environment Management Cell of Rawan Cement Works organized various environment awareness programs (viz. Display of environmental awareness banners, poster competition, tree plantation & Virtual events) were held for enhancing the environment awareness among students of Aditya Birla Public School (ABPS) employees & Colony people.



Plantation

Prize distribution

Slogan Competition

Ladies Drawing competition

Gents Drawing competition

Media Coverage

हरिभूमि, शनिवार 6 जून 2020
haribhoomi.com

मध्यांचल भूमि हरिभूमि 8

दिवस : रावन सीमेंट संयंत्र एवं कॉलोनी में विविध आयोजन किए गए

विश्व पर्यावरण दिवस पर रोपे गए पौधे विविध प्रतियोगिताओं का हुआ आयोजन

हरिभूमि ब्यूरो ▶▶ सिरमौर रावन

विश्व पर्यावरण दिवस के अवसर पर रावन सीमेंट संयंत्र एवं कॉलोनी में विभिन्न कार्यक्रमों का आयोजन किया गया। इस अवसर पर सभी कर्मचारियों एवं उनके परिवारी हेतु जैव विविधता थीम पर चित्रकला एवं स्लोगन लेखन प्रतियोगिता का आयोजन किया गया। कोरोना वायरस के संक्रमण को ध्यान में रखते हुए चित्रकला एवं स्लोगन प्रतियोगिता के सभी प्रतिभागियों ने अपने–अपने घर एवं कार्यस्थल से ही कार्यक्रम में हिस्सा लेने का प्रबंध किया गया था। प्रतिभागियों द्वारा सोशल मीडिया के माध्यम से पर्यावरण विषय पर बनाये गये चित्रों एवं स्लोगनस को संयंत्र के पर्यावरण विभाग में भेजा गया।

जैव विविधता थीम पर बनाए गए चित्र व स्लोगन, ऑनलाइन हुआ प्रतियोगिता का आयोजन

किया गया पौधारोपण

संयंत्र के वरिष्ठ अधिकारियों एवं सीएसआर टीम के द्वारा ग्रामीण विकास केन्द्र में पौधारोपण किया गया, वहीं ग्राम रावन के युवा समुह नवा अंजोर को पौधे वितरित किये गये। अल्ट्राटेक रावन सीमेंट संयंत्र के यूनिट हेड आशीष पनपलिया ने विश्व पर्यावरण दिवस के अवसर पर डिजिटल प्लेटफार्म पर आधारित कार्यक्रम को संबोधित करते हुए कहा कि सकारात्मक सोच के साथ पर्यावरण संरक्षण के क्षेत्र में कार्य करते हुए जैव विविधता को बढ़ावा देना है तथा वैकल्पिक ऊर्जा स्रोतो का अधिक से अधिक उपयोग करना है।

जैव विविधता का बताया महत्व

संयंत्र के मानव संसाधन प्रमुख गिरीश चन्द्र पंत ने कहा कि जैव विविधता हेतु बड़े जीवों के साथ ही छोटे एवं सुक्ष्म जीवों का बहुत अधिक महत्व है। इस अवसर पर संयंत्र के तकनीकी प्रमुख सजेन्द्र कुमार ने पौधों में होने वाले जैव विविधता के विषय में जानकारी साझा की। वित्त एवं वाणिज्य प्रमुख विकास सिंघवी ने कोविड–19 जैसी महामारी में क्या करना और क्या नहीं करना है के विषय में प्रकाश डाला। टीपीपी प्रमुख अशोक यादव ने पर्यावरण संरक्षण हेतु नवीन उर्जा स्रोतों के उपयोग एवं खनिज संरक्षण पर जोर दिया। माईस प्रमुख कुशल जैन ने जल संरक्षण एवं वॉटर पॉजिटिविटी को परिभाषित करते हुए कार्य करने के लिए प्रेरित किया। विश्व पर्यावरण दिवस कार्यक्रम के अवसर नीर तरंग महिला मंडल अध्यक्ष रश्मि पनपलिया ने समस्त कॉलोनी वासियों को पर्यावरण दिवस की शुभकामना दी। पर्यावरण दिवस कार्यक्रम के आयोजन एवं संचालन में संयंत्र के पर्यावरण विभाग से रमाशंकर शुक्ला एवं अभिषेक मिश्रा तथा आईटी विभाग से ई–एन्वायरन्मेंट सेलिब्रेशन में अतुल पोपली का महत्वपूर्ण योगदान रहा।

शनिवार, 6 जून 2020 08

अल्ट्राटेक रावन कर रहा कोविड-19 महामारी के दौरान सामाजिक योगदान

स्व सहायता समूह को व्यवसाय वृद्धि के लिए दिया गया सहयोग

खपराडीह में 2 स्थानों पर लगी पानी टंकी

कुरैत। अल्ट्राटेक रावन सीमेंट संयंत्र द्वारा सीएसआर के तहत ग्राम खपराडीह के दो मोहल्लों में 5000 लीटर क्षमता वाली पानी टंकी लगाई गई। दोनों स्थानों पर कुछ महीने से पानी टंकी टूट जाने से ग्रामीणों को पेयजल की समस्या हो रही थी। पंचायत प्रतिनिधियों द्वारा इस समस्या से अल्ट्राटेक को अवगत कराकर पानी टंकी लगाने की मांग की गई थी। इसके बाद अल्ट्राटेक प्रबंधन ने पेयजल के लिए यहां 5000 लीटर क्षमता वाली 2 पानी टंकी स्थापित करने की पहल की। ग्रामीणों को अब पानी की समस्या नहीं होगी।

नवभारत
www.navbharat.news

अल्ट्राटेक के सहयोग से डिजिटल गाँव का शुभारंभ

प्रत्येक पंचायत कॉमन सर्विस सेन्टर यों शुरुआत कर सकता है

5 कॉमन सर्विस सेन्टर शुरु

सरपंच ने कहा- तिल्दाबांधा में रोड बनने से दो गांवों को मिलेगी सुविधा

खेल सामग्री मिलने से अब निखरेंगी ग्रामीण प्रतिभाएं

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5 ग्राम पंचायतों में खोला गया कॉमन सर्विस सेंटर

दैनिक भास्कर **बलौदाबाजार . तिल्दा . भाटापारा**

पर्यावरण दिवस • अल्ट्राटेक सीमेंट संयंत्र में और कॉलोनियों में सभी कर्मचारियों व उनके परिवारों ने पौधरोपण किया

पर्यावरण बचाने के साथ वैकल्पिक ऊर्जा स्रोतों का अधिकाधिक उपयोग करना उद्देश्यः संयंत्र प्रमुख

दैनिक भास्कर **रायपुर संभाग**

संयंत्र ने कोविड अस्पताल को ऑक्सीजन मशीन, 20 बेड दिए

सुहेला| कलेक्टर के सुझाव पर अल्ट्राटेक सीमेंट लिमिटेड, इकाई रावन सीमेंट वर्क्स ने कोविड हॉस्पिटल बलौदाबाजार के लिए सहयोग सामग्री की थी।

वहीं सिमगा एसडीओ डीआर रात्रे की उपस्थिति में दोनों इकाइयों ने कोविड हॉस्पिटल सिमगा को ... ऑक्सीजन कान्सेंट्रेटर एवं 20 मेट्रेस रावन संयंत्र के मुख गिरीश चंद्र लौदाबाजार और सिमगा के कोविड अस्पतालों को सहयोग सामग्री प्रदान कर संयंत्र भी इस महामारी से लड़ने शासन और प्रशासन के साथ है। कोविड हॉस्पिटल सिमगा को किए गए इस सहयोग के लिए बीएमओ पीएल चंदन सहित समस्त स्टाफ ने संयंत्रों को धन्यवाद ज्ञापित किया। इस दौरान अल्ट्राटेक रावन एवं हिरमी से विभागाध्यक्ष उदय शंकर लाल एवं जितेंद्र सिंह तंवर तथा सीएसआर से पितांबर प्रुसेठ, वैभव त्रिपाठी एवं रमाकांत शर्मा आदि उपस्थित रहे।

दैनिक भास्कर **बलौदाबाजार . तिल्दा . भाटापारा**

पोषण बाड़ी के तहत 30 किसानों को पौधे बांटे

खपराडीह| ग्राम रवेली में अल्ट्राटेक रावन सीमेंट वर्क्स के सीएसआर ने शासकीय उद्यानिकी विभाग के सहयोग से पोषण बाड़ी कार्यक्रम अंतर्गत 30 किसानों को पौधे बांटे। उद्यानिकी विभाग ने पहले ग्राम के 30 किसानों का चयन किया। ग्राम पंचायत भवन में आयोजित कार्यक्रम के दौरान पपीता, अमरूद, कटहल, बैगन के पौधे तथा भिंडी एवं बरबट्टी के बीज बांटे। कार्यक्रम में उद्यानिकी विभाग से वेदराम वर्मा, सरपंच लीलाराम ध्रुव, सामाजिक कार्यकर्ता चोवाराम वर्मा, 30 किसान एवं सीएसआर से जीजी राव, पितांबर प्रुसेठ, रमाकांत शर्मा उपस्थित रहे।

Anchalik

दैनिक भास्कर **बलौदाबाजार . तिल्दा . भाटापारा**

पेंड्री गांव में जनप्रतिनिधियों ने सीसी रोड का भूमिपूजन किया

हिरमी (ग्रामीण)| ग्राम पंचायत पेंड्री ने अल्ट्राटेक रावन सीमेंट से प्रस्तावित सड़क की कांक्रीटीकरण का निवेदन किया था, जिसे संयंत्र प्रबंधन ने बनाने की स्वीकृति दी। बुधवार को जनप्रतिनिधियों की उपस्थिति में सीसी रोड का भूमिपूजन किया गया। इस अवसर पर जनपद सदस्य अनुपम अग्रवाल ने कहा कि क्षेत्र में शिक्षा, स्वास्थ्य एवं आधारभूत संरचना निर्माण के साथ ही सर्वांगीण विकास के लिए ग्राम पंचायत दशक पहले काफी पिछड़ा था। विभिन्न शासकीय योजना और संयंत्र के सीएसआर योजना की राशि से ग्राम में तेज गति से विकास हुआ है।

इसके परिणाम स्वरूप आज पेंड्री विकसित पंचायत की श्रेणी में आ गया है। इस मुहिम में संयंत्र प्रबंधन का भरपूर सहयोग मिलता रहा है, जिसके लिए उसको धन्यवाद देता हूं। सरपंच प्रतिनिधि रामगोपाल बांधे ने प्रबंधन का आभार देते हुए सीएसआर मद से गांव में जल संवर्धन के लिए निस्तारी, सिंचाई और मछली पालन के लिए तालाब गहरीकरण कराने का अनुरोध किया, जिसे सीएसआर प्रमुख जीजी राव ने परीक्षण उपरांत अगले बजट में जोड़ने का भरोसा दिया। कार्यक्रम में प्रबंधन से पितांबर प्रुसेठ, रमाकांत शर्मा, उपसरपंच सुशील कुमार निषाद, पंचायत सदस्यों में गणेश बांधे, रवि कुमार, शेरसिंह, खेदूराम, रोजगार सहायक दलेंद कुमार निषाद, भटभेरा सरपंच प्रतिनिधि रामकुमार साहू एवं गणमान्य नागरिक राधेश्याम साहू, पूरनलाल आदि उपस्थित थे।

गुमा में अल्ट्राटेक रावन द्वारा रंगमंच निर्माण का भूमिपूजन

आज एक दिवसीय युवा चेतना शिविर

Anchalik

दैनिक भास्कर **बलौदाबाजार . तिल्दा . भाटापारा**

आयोजन • तिल्दाबांधा में अल्ट्राटेक सीमेंट संयंत्र रावन के सीसी रोड निर्माण का भूमिपूजन व कॉमन सर्विस सेंटर का शुभारंभ किया गया

सरपंच ने कहा- तिल्दाबांधा में रोड बनने से दो गांवों को मिलेगी सुविधा

PART - I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.

1. We had installed jet type water spraying system at wagon tippler and coal truck tippler to suppress the dust emission during unloading and thereby reduced the fugitive emission.

2. Lox NOx burner Installed in Line-1 Kiln & high Bride transformer installed in Line-1 Cooler ESP for reduce stack emission

3. Recently in October 2017, the Cement mill stack was attached with Bag house by replacing ESP to increase the dust collection efficiency and limiting the particulate Matter emission from the stack less than 30 mg/Nm3.

4. Line 2 limestone crusher cold fog system installed for water sprinkle.

5. We had increase from 15MW to 16MW Waste heat recovery boiler for generation of electricity by utilizing line-1 & line-2 kiln / cooler exit hot gases.

6. We are using hot gases from cooler for slag drying by installing hot air handling system at a huge expense. This helped us in reducing the diesel consumption in Hot Air Generator at slag drying circuit.

7. We had installed and commissioned 750 KL new STP for the treatment of domestic sewage and thereby recycling the treated water 100% for horticulture and domestic purpose inside the plant premise.

8. We have produced 94.6 % blended cement of total production of cement during Apr'20 to Mar'21 with consumption of additives such as fly ash at 35 % in Pozzolana Portland Cement (PPC), Portland Composite Cement (Fly Ash 27 % & Slag 25 %) This had helped in conserving natural resources and reduces Green House Gases.

9. We have created three nos of water bodies in the catchments area for rain water storage & ground water recharging. We have also constructed rainwater-harvesting system in shopping complex, hospital roofs, ABP School, TPP buildings and rural development center building for collection & recharge of rainwater.

10. We had installed and commissioned water treatment plant at colony and mine for treatment of mine sump water and then the treated water is used for domestic purpose, thereby stopped the extraction of ground water and ultimately conserved the ground water.

11. The fly ash generated from the captive thermal power plant is conveyed pneumatically to the closed silos and utilized in the manufacturing of Portland Pozzolana Cement.

12. All the belt conveyers are covered with enclosures and dust collectors are provided at the transfer points to mitigate the emission.

13. All the floors in and around Thermal Power Plant / cement plant is concreted to avoid Fugitive dust emission

For, UltraTech Cement Ltd.,
Unit – Rawan cement Works

Date: 21.09.2020

Anish Agrawal
Unit Head
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