ADITYA BIRLA

UltraTech

UTCL/MCW/Cement Plant/Env. Stat/25-26/60 **Dated 27 Sep 2025**

To,
The Member Secretary
MP Pollution Control Board
Paryawaran Parisar, E-5, Area Colony,
Bhopal -462016 (M.P.)

Dear Sir,

Sub: Submission of Environmental Statement Report Form-V for year 2024-25 of UltraTech Cement Limited (Unit: Maihar Cement Works) for combine Cement plant, CPP's , WHRS & DG'set

Ref : 1) Air/Water Combine Consent Order Consent No:AW-60815, dated 30/07/2024 and AW-61807 Dated 20/02/2025

2) Hazardous waste Authorization CTO No AWH-56683 dated 19/9/2022 valid upto 30/09/2027

This has reference to above mentioned subject, we hereby submitting the Environment Statement report Form-V of our Combine Cement plant, CPP's, WHRS & DG'set for the period FY-2024-2025 of M/s UltraTech Cement Works , Unit : Maihar Cement Works , Sarla Nagar , Maihar , Dist-Maihar (M.P)

Submitting for your kind record perusal

Thanking you

Yours faithfully,
For UltraTech Cement Limited
(Unit: Maihar Cement Works)

Sandeep Deshmukh
(Authorised Signatory)

Copy To 1) Joint Director-S, Regional office (Western Region)
Kendriya Paryavaran Bhawan, E-5, Aera Colony.
Link Road-3, Ravishankar, Bhopal- 462016 (M.P)

2) The Regional Director, CPCB Regional office.
Paryavaran Bhawan, E-5, Aera Colony, Bhopal- 462016 (M.P)

3) Regional office, M.P Pollution Control Board ,
Maihar-Amarpatan Bypass Road, Satna-485001 (M.P)

UltraTech CEMENT
The Engineer's Choice

Environmental Statement Report for Combine Cement Plant, CPP's , WHR'S & DG set for the period April-2024– March-2025

UltraTech Cement Limited

(Unit: Maihar Cement Works)
PO: Sarlanagar-485772, Maihar
Distt. Satna (M.P.)

About UltraTech

UltraTech Cement Limited is the cement flagship company of the Aditya Birla Group. A USD 8.4 billion building solutions company, UltraTech is the largest manufacturer of grey cement, ready-mix concrete (RMC) and white cement in India. UltraTech is the third largest cement company in the world, excluding China, with a consolidated production capacity of 192.26 million tonnes per annum (MTPA) of grey cement. UltraTech is the only cement company globally (outside of China) to have 175+ MTPA of cement manufacturing capacity in a single country. The Company's business operations span UAE, Bahrain, Sri Lanka and India.

UltraTech's manufacturing footprint comprises 34 integrated manufacturing units, one Clinkerisation unit, 34 grinding units and 9 bulk packaging terminals. With 395 Ready Mix Concrete (RMC) plants in 155 cities, UltraTech is the largest manufacturer of concrete in India. It has a slew of speciality concretes that meet specific needs of discerning customers. UltraTech's Building Products business is an innovation hub that offers an array of scientifically engineered products to cater to new-age constructions. UltraTech is the leading player in the white cement segment in India and is retailed in the market under the brand name of Birla White. UltraTech has one white cement unit and three wall care putty units. UltraTech pioneered the UltraTech Building Solutions (UBS) concept to provide individual home builders with a one-stop-shop solution for building their homes. This is the first pan-India multi-category retail chain catering to the needs of individual home builders (IHBs). Currently, there are over 4000 UBS outlets in 23 states across India.

UltraTech is a founding member of Global Cement and Concrete Association (GCCA). It is a signatory to the GCCA Climate Ambition 2050 and has committed to the Net Zero Concrete Roadmap announced by GCCA. UltraTech is focused on accelerating the decarbonisation of its operations, and is the first company in India and the second company in Asia to issue dollar-based sustainability linked bonds. UltraTech works to actively contribute to the social and economic development of the communities in which it operates in. The Company's social initiatives focus on education, healthcare, sustainable livelihoods, community infrastructure and social causes. UltraTech reaches out to more than 1.8 million beneficiaries in over 500 villages in 16 states across India

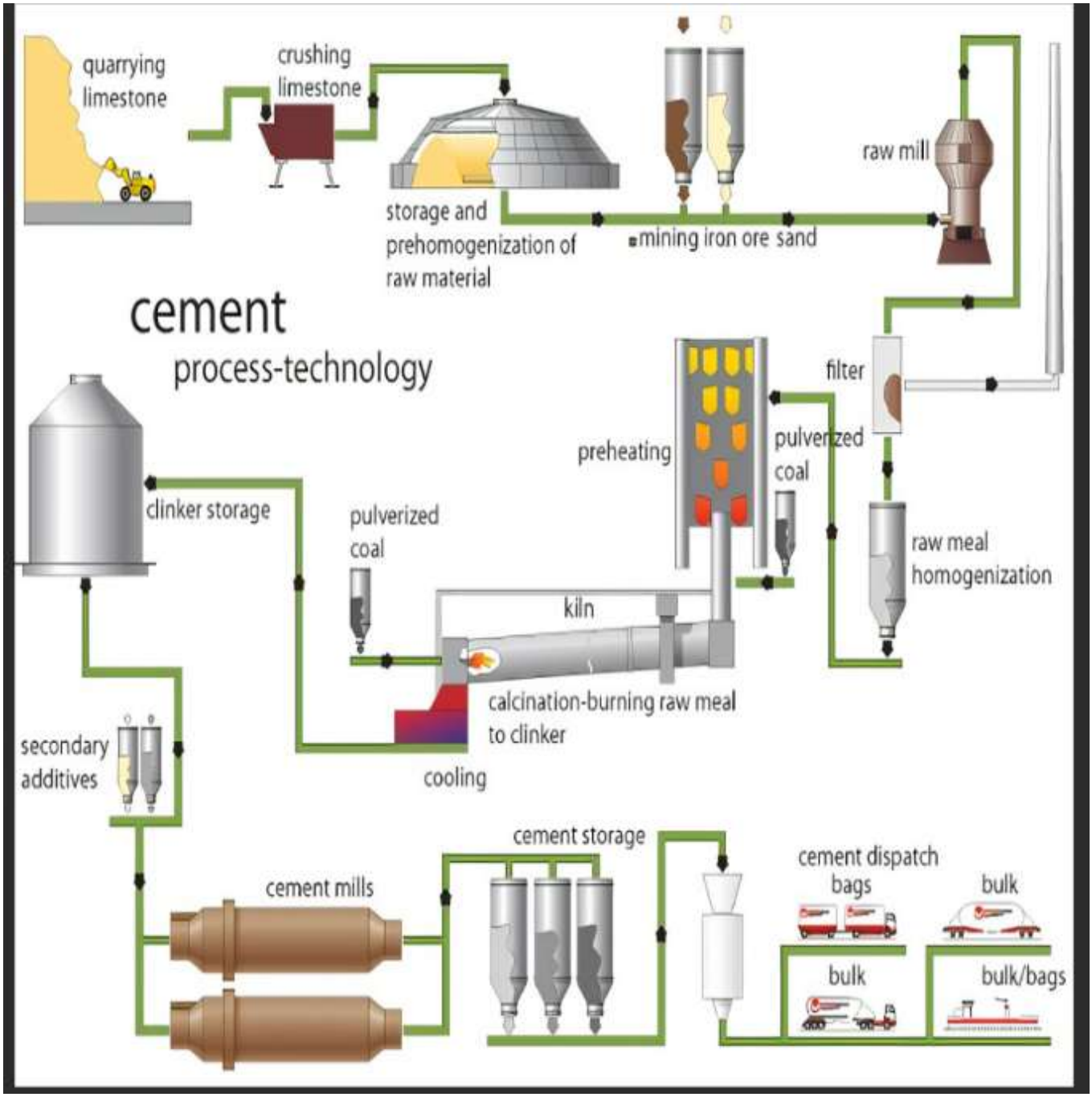
Maihar Cement Works

The Maihar Cement Plant is located at Sarlanagar Village of Maihar Tehsil of Satna District in Madhya Pradesh at 7 KM away from NH and Central Railway, from Maihar Railway Station. Geographically, it is located at latitude 24°11'56.97"N to 24°13'01.09" N North and longitude 80°47'23.04"E to 80°48'54.87"E. The unit produces Cement and Clinker, having a Cement Production capacity of 12 MTPA and Clinker 8 MTPA having Captive limestone mines, Cement Plant, Captive Thermal Power Plant -02 Nos of 17 MW, WHRS-40 MW , DG set 2250 KVA (stand by) and Township, Seva Trust Hospital .

The unit produces Cement and Clinker, MCW started Kiln-1 & Kiln-2 in the year 1980. Later on, Kiln-3 was established in the year 1995. (M.P.). Also having two Captive Power Plant (CPP) of with capacity of 15.7 MW each, was commissioned in the year 1997 & 2006. Kiln-4 was commissioned in March-2025 and thus the capacity of Maihar Cement work is now Clinker production as 8 MMTPA, Cement

Production-12 MMPA, CPP-I & CPP-II -17 MW (Expansion of 1.3 MW of each), wHRS-40 MW and DG Set of capacity 2250 (standy By) MCW having total lease area 1370.88 ha (ML-1 : 217.68 Ha, ML-2: 296.956 Ha, ML-3: 663 Ha and 193.25 Ha) in village Bhadanpur and Tiloura, Tehsil- Maihar, Dist. Satna

Cement Manufacturing Process Diagram



[FORM – V]

(See rule 14)

Environmental Statement for the financial year ending 31st March 2025

PART – A

(I)	**Name & Address of the Owner / Occupier of the Industry Operation or Process**	Bijneswar Mohanty President & Unit Head Maihar Cement Works (A Unit of UltraTech Cement Limited) P.O: Sarlanagar – 485772, Maihar Distt. Satna (M.P.)
(II)	**Industry category** Primary (STC CODE) Secondary (SIC CODE)	Cement Manufacturing Red category and large scale Industry
(III)	**Production capacity**	Cement: 12 MMTPA Clinker: 8 MMTPA Power: 2 x 17 MW WHRS- 40 MW
(IV)	**Year of establishment**	Kiln Line- 1 &2 : 1980 Kiln Line -3 : 1995 DG Set : 2024 Kiln-4 : 2025 CPP No.1 : 1997 CPP No.2 : 2006 WHRS-Dec : 2021
(V)	**Date of last environmental statement submitted**	27 September, 2024

Production Details

Name of the product	During the previous financial year (2023-24)	During the current financial year (2024-25)
Clinker (MT)	24,57,343	3094172
Cement (MT)	27,60,058	2651217
Power Generation – CPP's (1 & 2) (MWH)	198376	156818
Power Generation WHRS (MWH)	42295.83	55884
*DG Set (Capacity 2250 KVA) MWH	--	1.06

*DG set is Standby installed in the year 2024

PART – B

Water & Raw Material Consumption

1) Water consumption - m3/day

A- Industrial Use

i) Cement Plant (Process & Cooling) : 1269.48 m3/day

ii) CPP 's (1 & 2) (Process & Cooling) : 388.69 m3/day

iii) WHRS : Process **:** 101.54 m3/day

iv) DG Set : Process **:** Nil

B- Domestic Use **:** 834.09 m3/day

C- Others (Recycle water) **:** 217.80 m3/day

Name of the product	Process Water consumption per unit of product output	
	During the previous financial year (2023-24)	During the current financial year (2024-25)
Cement (M3/MT)	0.069	0.175
Electricity Power Generation – CPP's (1 &2) (M3/ MWh)	0.816	0.905
Electric Power Generation through Waste Heat Recovery Power Plant (M3/ MWh)	0.520	0.663

2) Raw material & fuel consumption :

Cement Plant

Name of the raw materials	Name of product	Consumption of raw material per unit of output	
		During the previous financial year (2023-24)	During the current financial year (2024-25)
Limestone	Clinker	1.419	1.431
Laterite + Bauxite		0.037	0.038
Redmud		0.039	0.035
Coal		0.076	0.060
Petcoke		0.031	0.052
AFR (Total)		0.00010	0.00001
Gypsum	Cement	0.021	0.019
Fly ash	Cement	0.196	0.201
Coal for CPP's (1&2)	Electricity	0.8636	0.8643
DG Set (2250 KVA) (Standby)	Electricity	-	0.042

3) Captive Power Plant (CPP)

Raw Material & Fuel Consumption

*Name of raw materials	Name of products	Consumption of raw material for Power Generation per Unit of output (MT/MWh).	
		During the Previous financial Year 2023-24	During the Current financial Year 2024-25
Coal for CPP's (1&2)		0.8636	0.8643
Diesel for DG Set (KL)		-	0.042
Chemical Consumed in DM Plant			
Name of raw materials		During the Previous financial Year 2023-24	During the Current financial Year 2024-25
1) HCL(MT) in (MT)		37.1	73
2) CAUSTIC(MT) in (MT)		27.8	60
3) MORPHOLINE (In Kg)		995	400

PART – C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

(a) Water: No water pollutants directly discharging to Environment.

Pollutants	Standards as per CTO (mg /l)	Result (FY-24-25)	Percentage (%) of variation from prescribed standards	Remarks
pH	5.5-9.0	7.64 to 8.20	-12.03	Domestic waste water generation from Plant and colony is attached to Cement plant STP of capacity of 800 KLD and maintaining prescribed parameters within limit as well as Zero Discharge Condition.
Suspended Solids (SS) mg/liter	100	40.10 to 51.30	-53.53	
Biological Oxygen Demand (BOD) - mg/liter	30	9.94 to 14.99	-58.59	
Chemical Oxygen Demand (COD) mg/liter	250	38.82 to 58.24	-81.39	
Oil & Grease mg/liter	10	BDL (DL 1.0)	-90	
Fecal coliform 1000 MPN/100 ml	1000 MPN/100 ml	119.40 to 144.20	-87	

(b) Air Source Emission:

Stack Name	Permissible Limit mg/Nm3	Pollutants	Quantity of pollutants discharged (mass/day) Ton/Day	Concentration of pollutants discharged (mass/volume) mg/Nm3	Percentage (%) of variation from prescribed standards with reasons	APCD
Raw Mill & Kiln-1	30	PM	0.18	17.75	-40.83	Bag House
	100	SO2	0.07	6.78	-93.22	
	1000	NOx	3.95	381.90	-61.81	
Raw Mill & Kiln-2	30	PM	0.10	16.56	-44.80	Bag House
	100	SO2	0.03	3.86	-96.14	
	1000	NOx	2.45	292.92	-70.71	
Raw Mill & Kiln-3	30	PM	0.17	14.58	-51.40	RABH
	100	SO2	0.06	5.10	-94.90	
	1000	NOx	2.87	246.78	-75.32	
Coal Mill (VRM)-5 Line-1 &2	30	PM	0.02	20.28	-32.40	Bag House
Coal Mill (VRM) -4 Line-3	30	PM	0.03	18.16	-39.47	Bag House
Cooler No.1-	30	PM	0.09	20.74	-30.87	ESP
Cooler No.2-	30	PM	0.09	21.01	-29.97	ESP
Cooler No.3	30	PM	0.20	19.91	-33.63	ESP
Cement Mill No.1 & 2	30	PM	0.01	15.40	-48.67	Hybrid Filter
Cement Mill No.3-	30	PM	0.01	13.77	-54.10	Hybrid Filter
Cement Mill No.4 & 5 -	30	PM	0.01	19.59	-34.70	Hybrid Filter
CPP-1 (15.7 MW)	50	PM	0.05	15.87	-68.30	Hybrid Filter
	600	SO2	1.48	443.58	-26.07	Hybrid Filter
	450	NOx	0.74	221.64	-50.75	Hybrid Filter
CPP-2 (15.7 MW)	50	PM	0.03	13.74	-72.52	Hybrid Filter
	600	SO2	1.00	453.26	-24.46	Hybrid Filter
	450	NOx	0.47	207.56	-53.88	Hybrid Filter

(-) Concentration is lower than the prescribed limit.

Ambient Air Quality Monitoring- 2024-2025

Parameters	Permissible Limits (µg/m³)	Locations											
		AAQMS-1 (Filtration Plant)			AAQMS-2 Guest House			AAQMS-3 Director Bungalow			AAQMS-4 Unit-2 Gate		
		(Unit: µg/m³)											
PM10	100	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
		38.15	58.26	48.26	35.06	53.12	43.63	37.11	56.43	46.49	37.41	58.63	48.79
PM2.5	60	23.22	36.42	29.56	21.49	33.48	27.84	22.73	34.78	28.96	22.95	37.90	30.56
SO_2	80	8.42	13.12	10.84	6.95	11.63	9.45	8.07	12.69	10.83	9.33	13.96	11.79
NO_2	80	12.32	18.56	15.52	11.29	16.43	13.80	12.81	18.08	15.51	13.14	19.13	16.35
CO	2000	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)	BDL (DL 500)

PART – D
Hazardous Wastes

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

Hazardous Wastes	Total Quantity (MT)	
	During the previous FY 2023-24	During the Current FY 2024-25
a) From Process	1) Cement Plant /CPP-1 /CPP-2/ WHRS - Used Oil (Cat. 5.1): 2.10 MT 2) Cement Plant/CPP-1/CPP-2/WHRS - Wastes or residues Oil Containing Waste (Cat.5.2) – 0 MT	1) Combine Cement Plant/CPP-1/CPP-2/WHRS/DG Set/ (Cat-5.1)- 6.28 MT (M/s Jaital Chemicals Pvt Ltd, Dist. Gwalior (M.P.) 2) Combine Cement Plant/CPP-1/CPP-2/WHRS/DG Set/ (Cat-5.2)- Nil 3) Combine Cement Plant/CPP-1/CPP-2/WHRS/DG Set/ (Cat.I-33.1) – Nil 4) Combine Cement Plant/CPP-1/CPP-2/WHRS/DG Set/ -(Cat.I-33.2)- Nil
b) From Pollution Control Facilities	The dust collected from the pollution control equipment is being 100% recycled back into the process system.	The dust collected from the pollution control equipment is being 100% recycled back into the process system.

PART – E

Solid Wastes

Solid waste		Total quantity (MT)	
		During the previous financial Year 2023-2024	**During the Current financial Year 2024-2025**
a)	From process – Cement Plant	Cement Plant - No solid waste is generated from the cement manufacturing process Therefore, no waste generation from pollution control facility.	Cement Plant - No solid waste is generated from the cement manufacturing process Therefore, no waste generation from pollution control facility
c)	From process CPP No-1 & CPP-2	a) Fly Ash – 71996.10 MT b) Bed Ash- 7999 MT	a) Fly Ash - 52389 MT b) Bed ash - 5831.20 MT
b)	Form pollution control facilities	Solid waste Material generated recycle and reused 100 % of de-dusting hoppers of APCDs	Solid waste Material generated recycle and reused 100 % of de-dusting hoppers of APCDs
c)	i) Quantity recycled or re-utilized within the unit	All the collected swept waste is reused in the process.	All the collected swept waste is reused in the process.
d)	ii) Quantity recycled or re-utilized within the unit- CPP-1& 2	a. Fly Ash – 71996.10 MT b. Bed Ash – 7999 MT	a. Fly Ash – 52389.00 MT b. Bed Ash –5831.20 MT
d)	STP Sludge (MT)	2.34 MT Reused as manner in greenbelt development / Horticulture	3.0 MT Reused as manner in greenbelt development / Horticulture

- 100 % Generated fly ash and Bed ash is used in Cement Manufacturing process.

b) Sold – ***Solid waste Sold materials is common for Cement Plant, CPP No-1, CPP No-2 & four Mines leases***

SN	Material description	UOM	Sold Quantity Year 2023-24	Sold Quantity Year 2024-2025
1	Empty Barrel	MT	1.67	0.55
2	Batteries	MT	4.20	4.24
3	Metal Scrap-MS	MT	3470.99	2772.50
4	Burst Bags	MT	11.66	0.0
5	Refractory	MT	980.62	849.92
6	Cables/Wires	MT	21.64	5.44
7	Other Scrap – other than MS	MT	399.86	589.84
c) Disposed			Nil	Nil

PART – F

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

Hazardous waste: All the used Oil and waste oil generated from the different sections of plant is being collected in empty 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2016 from where the hazardous waste is being sold out to SPCB authorized recyclers**, analysis repot of used oil Used Oil (Cat. 5.1) is enclosed**

J.M. ENVIROLAB PVT. LTD.

30 years of success

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

TEST REPORT

Name and address of unit:	M/s. UltraTech Cement Limited (Unit: Malhar Cement Works), P.O.- Sarla Nagar, District- Satna, Madhya Pradesh,485772	Report No.:	JME/O/241113001/N
		Reporting Date:	18/11/2024
		Analysis Completion Date:	18/11/2024
		Analysis Start Date:	13/11/2024
Sample Description:	Used Oil	Receipt Date:	13/11/2024
Sampling Location :	Hazardous Waste Covered Storage Room	Sampling Date:	12/11/2024
Sample Collected by:	JMEPL Team	Sampling Type:	Composite
Contact Person:	Mr. Manoj Lohakare (SH-Environment)	Packing Status :	Temporary Sealed

TEST REPORT

S. No.	Parameter	Protocol	Result	Unit	Limits
1.	Polychlorinated biphenyls (PCBs)	As Per CPCB Guidelines	BDL (DL 2.0)	ppm	<2.0
2.	Lead	As Per CPCB Guidelines	24.81	ppm	100
3.	Arsenic	As Per CPCB Guidelines	0.69	ppm	5
4.	Cadmium + Nickel + Chromium	As Per CPCB Guidelines	32.08	ppm	500
5.	Poly Aromatic Hydrocarbon (PAH)	As Per CPCB Guidelines	0.75	%	6

End of Report

Srishti Mehta
Tested by

Abhishek Tiwari
Checked by

J.M. ENVIROLAB PVT. LTD. Authorised Signatory INDIA

Rajkumar Yadav
Authorized Signatory

Note:
1. This test report has been at your request and test results pertain to the tested sample received.
2. This report is for your reference only and not to be used for any legal purpose.
3. Any discrepancy in the test report or any remarks regarding the test results shall be brought to our knowledge within 7 days of the issue of this report.
4. Total liability or any claim in case of dispute is limited to the invoice raised by the laboratory.
5. The sample will be destroyed after retention time unless otherwise specified specially.
6. Endorsement of the product tested by the laboratory is neither informed nor implied.
7. Report shall not be reproduce except in full without approval of the laboratory.
8. All disputes are subject to exclusive jurisdiction of Jaipur court only.

Reg. Office & Lab.
424, Ground Floor, Udyog Vihar,
Phase-IV, Gurugram-122015 (Haryana)
E-mail: jmenvirolab@hotmail.com | www.jmenvironet.org

Corporate Office
Emaar Digital Greens, Tower-B, Unit No.1517,
Golf Course Ext. Road, Sector-61,
Gurugram-122011(Haryana)

PART – G

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

At Maihar Cement Works following measures have been adopted for abatement of pollution & conservation of natural resources:

Conservation of natural resources:

- **Limestone** - By using of pet coke as a fuel, low grade limestone consumption increases and conserving life of high-grade limestone reserves.
- **Natural Coal** - By using pet coke as waste of petroleum refineries conserving natural coal.

Utilization of fly ash for manufacturing of PPC – Unit used fly ash 34.33 % (533407 MT) for production of Portland Pozzolana Cement (PPC)

- **Utilization of Petcoke**: Unit used Petcoke 5.23 % (161780 MT) for Clinker manufacturing.
- **Plastic Wastes as RDF**: Used 23.44 MT Plastic wastes as RDF, and Chemical Sludge as a raw material substitute -25 MT

Alternate Fuel Feeding System at Maihar Cement Works: -

For Co-process/feeding of Non-HW AFR waste, Manual feeding system is developed at Line-3 for utilization of plastic waste in Kiln-3. The system is capable to handle various types of Non-Hazardous like plastics waste and other non-hazardous wastes.

AF feeding Hopper at Line-3

AF Feeding Chute

ENERGY MANAGEMENT

The industries require enough of it and cement industry in itself is an energy intensive process. In such a case it becomes more important rather obligatory for the industry to reduce the energy may be electrical or thermal use per ton of clinker/cement, since ultimately it reduces to the saving of industry. Now cement is a key player product of market especially developing countries thus it is important to save thermal or electrical energy, which will mean a strategy based on field experience, keen observations and regular implementations.

TOTAL ENERGY REQUIREMENT AND CONSUMPTION.

ENERGY	2023-24	2024-2025	Remarks
Specific Heat Consumption Kcal/Kg Clinker	778	763	All kilns (Average)

POWER AND RESOURCE MANAGEMENT (Average of L- I, L- II & L- III)

Energy & Resources	UoM	2023-2024	2024-2025
Clinker	kwh/MT of Clinker	62.95	61.06
Cement (Cement grinding + Packing)	kwh/MT of Cement	37.50	36.76

Utilization of Fly ash:

Year	Fly Ash (MT) used for PPC Cement
2022-23	621311
2023-24	540277
2024-2025	533407

Waste Water Management

Sewage treatment Plant (STP) is functioning well for treatment of Domestic waste water of Capacity of 800 KLD. The treated waste water is utilized for gardening/ plant process/dust suppression purpose. During the year 2024-25 on an avg. **217.80 m3/day** treated water generated from STP. PTZ camera has been provided and connected to MPPCB, and **maintaining zero liquid discharge**.

Water Conservation Initiative

RAIN WATER HARVESTING : All rain water is being collected by Nalla through channel and water is being stored at harvesting ponds (04 Nos) , having recharge shaft for the ground water recharge ground water

Rain Water Harvesting

River Pump House is located at a distance of about 2 Km from the plant. During non-monsoon season, water is sourced from water reservoir having capacity of 20,40,000 KL developed at Mine leases. Maihar Cement has also developed a reservoir in the Cement Plant having capacity of 5,75,000 KL and is capable of meeting about 40 days water requirements of the Cement Plant.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution.

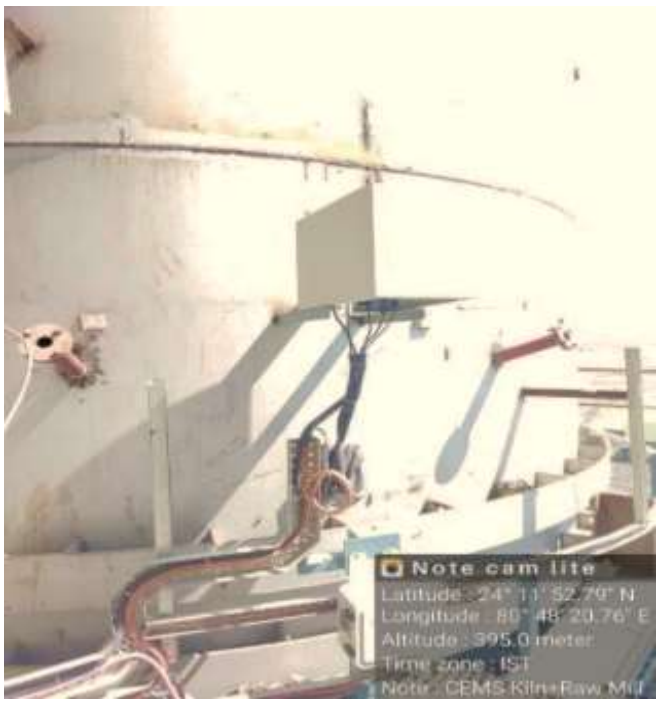
Installed online real time Ambient Air Quality Monitoring Station (AAQMS) & CEMS:

For expansion unit installed 05 Nos of online CEMS for PM/SO2/NOx for the stacks Kiln-4, Coal Mill-6, Cooler-4 ESP, Cement Mill-6 & 7 and is being connected with MPPCB and CPCB

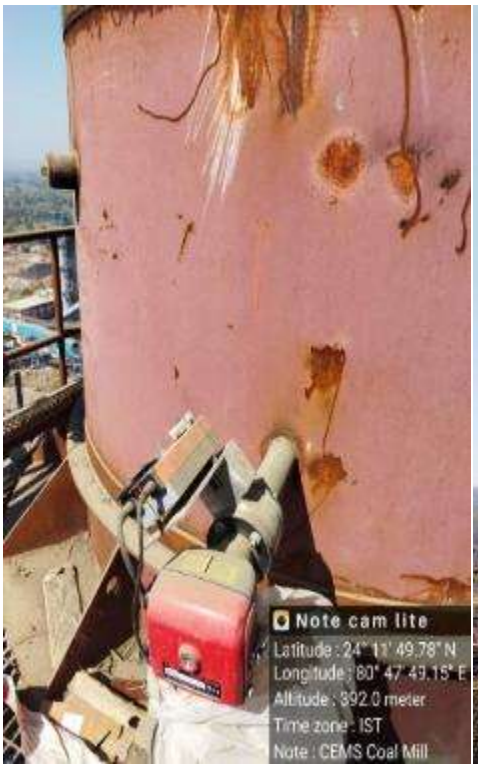
Already Commissioned 02 Nos. of CAAQMS in the Plant premise, one at Director Bungalow in Downwind and one at Upwind direction at Filtration Plant. The transmission of real time data started displaying in MPPCB website & Plant main gate for public domain for CAAQMS & for installed CEMS-13 Nos. Continuous monitoring system (Opacity meter) has been installed in all major stacks i.e. Kiln (1, 2 & 3), Coal Mill VRM (4 & 5), Cooler (1, 2 & 3), Cement Mill (1&2, 3, 4&5). Adequate air pollution control system has already been installed. Stack emissions level of particulate matter are kept below 25 mg/Nm3. On-line stack monitoring station (CEMS) is installed & monitoring data submitted on real-time basis to MPPCB/CPCB server/website.

Online CEMS installation Snap snots

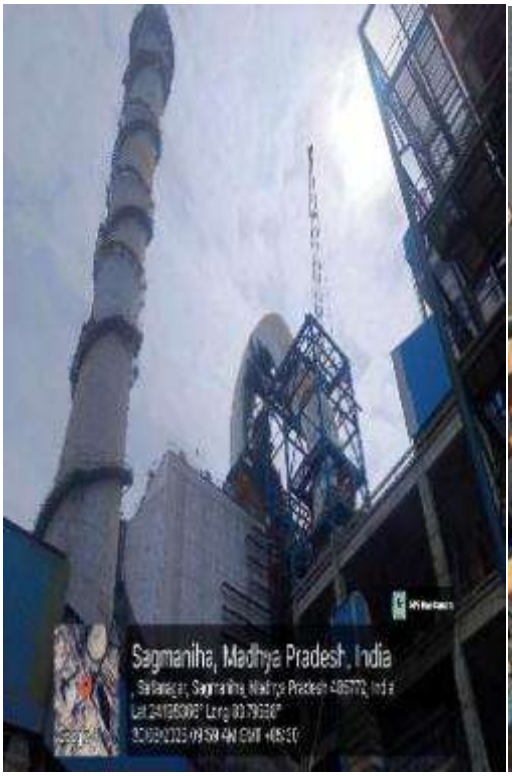
Kiln-4 Stack – CEMS



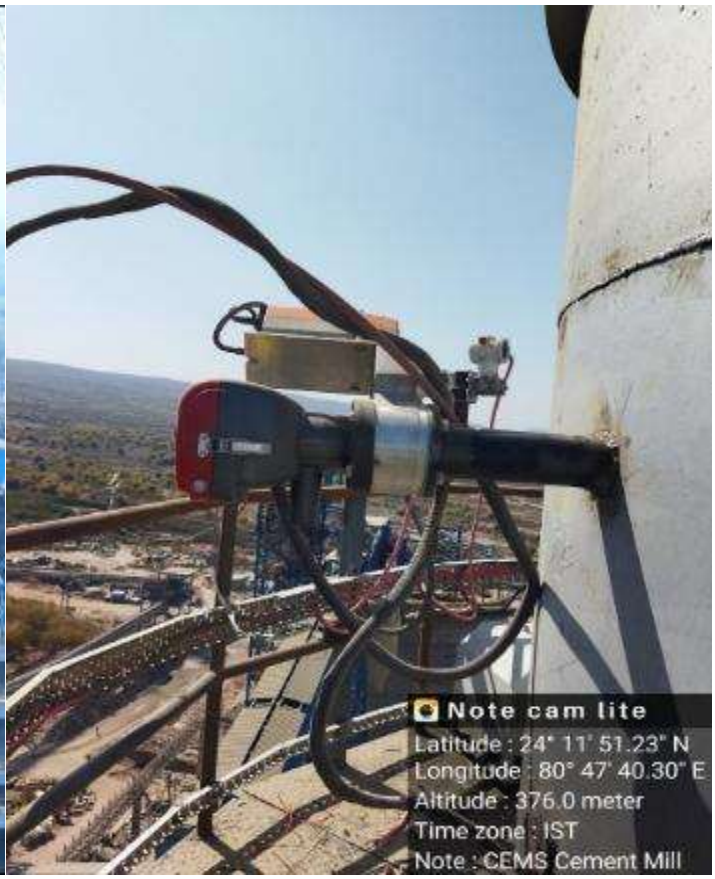
Coal Mil-6 Stack – CEMS



Cooler-4 ESP Stack



Cement Mill-6 Stack



Cement Mill-7 Stack

We have already installed 01 No. PTZ (30 X zoom) Night Vision Camera for Stack Emission Monitoring and 01 No. PTZ (30X zoom) Night Vision camera for STP zero discharge condition monitoring and same has been connected to Environment Surveillance Centre, MPPCB, Bhopal.

CAAQMS-1, At Director Bungalow

CAAQMS-2, At Filtration Plant

CAAQMS& CEMS data display at Plant main gate

Plant PTZ camera showing stack photograph

Greenbelt in and around Plant & Colony area:

Unit has developed a thick green belt within and outside of the Plant premise as well as in the colony area and total survival tress are as under:

SN	Year	Area developed under Greenbelt / plantation in Hect.	No. of Plants	Remarks
1	Up to 2021-2022	70.40	176000	Out of 213.30 ha plant area, 33.15 % of the total area (i.e., 70.70 ha) has already been developed under greenbelt/ plantation. **Total 8,47,377 samplings have been planted till date, which include 1,78,000 trees @ 2500 plants/ha.** Remaining 6,69,377 shrubs and herbs have been planted; and the same will be maintained further.
2	2022-2023	--	2000 (Covered the gap area)	
3	2023-2024	0.30	1577	
4	2024-2025	0.30	1502	
	Total	**71.0**	**178000**	

Plant Greenery Photographs

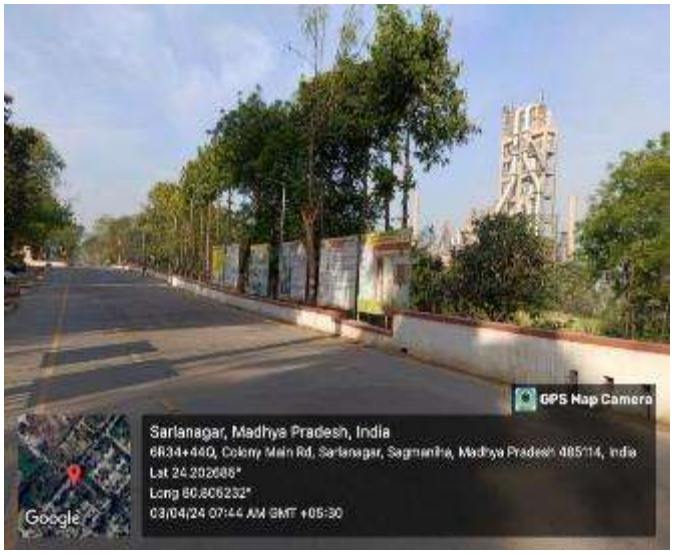

Plant Overview Showing Green Belt


Concrete Roads & Plantation


GPS Map Camera
Sagmaniha, Madhya Pradesh, India
6R43+32Q, Sagmaniha, Madhya Pradesh 485114, India
Lat 24.205926°
Long 80.803324°
03/11/23 10:54 AM GMT +05:30
Google


Sarlanagar, Madhya Pradesh, India
Google


Sarlanagar, Madhya Pradesh, India
Google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6R34+44Q, Colony Main Rd, Sarlanagar, Sagmaniha, Madhya Pradesh 485114, India
Lat 24.202686°
Long 80.806232°
03/04/24 07:44 AM GMT +05:30
Google

Expenditure on CSR Activities during period 2024-25	
Particulars	**Expenses in Lakh**
Education & Capability Building	**432.23**
Health Care & Family Welfare	**111.02**
Sustainable Livelihood	**28.40**
Infrastructure Development	**121.99**
Social Empowerment & Welfare	**31.21**
Others	
Total	**724.85**

Environment Expenditures FY 2024-25:

i) Capital Expenditure

Modification & Upgradation of Air Pollution Control Devices
Cooler-I - 46.1 Lakh
Cooler-II - 44.72 Lakh
WHRS (Kiln-1 & 2)- 5720.32 Lakh
RP cost /upgradation - 50.74 Lakh
Total -**5861.89**

Environment Expenditures FY 2024-25:

Particulars	Total in Rs
STP Operation & Maintenance	1404288.14
APC operation and Maintenance	17667709.19
Green belt development & Maintenance	14139636.96
Environment fess	8780880
Isokinetic Sampling for CEMS Online Calibration	1581605
Environmental Monitoring through NABL Lab	1135000
Expenses on online CEMS & AAQMS- AMC/Data Connectivity	2148113
Spares consumed for online -CEMS & AAQMS	2944000
House Keeping job Mechanical road cleaning (04 machine)	6066006
Heavy duty truck mounted vacuum cleaner	1452784.7
BMW disposal	498870
Environmental Expenses	102059
CSR expenses (Welfare, Community Development /Health Education)	48446500
Expenses for Audit (MoEF Flyash)	67600
Study for CEMS compliance	68500
APC cost booked for Existing Expansion Line1,2	-
Total Expenses (Rupees)	**106503552**
Total Expenses in Lacs	1065.04

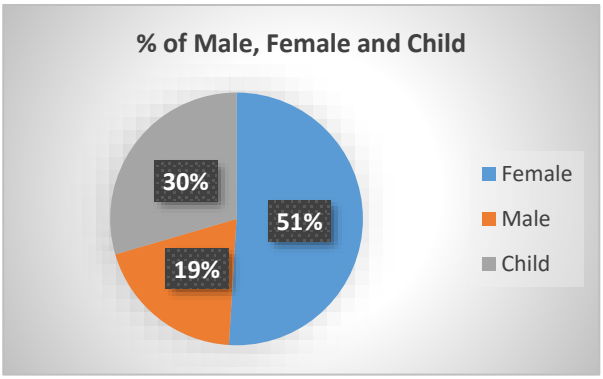
List of major activities completed in CSR FY-2024-2025

Health Initiative

Health: Summary of Activities			
S.L	**Activities**	**Area/Village**	**Beneficiaries**
1	Distribution of Water through tanker at nearby village at 10 nos. of villages.	Nearby Village	15000
2	12 nos. of Organize General medical health camp at nearby village.	Nearby village	1246
3	Organize "Healthy Baby Show" at 10 no. of Anganwadi at nearby village.	Nearby Village	187
4	10 nos. of Mother and child health awareness session by Govt. ANM at nearby village.	Nearby Village	274
5	10 nos. of Breast feeding awareness camp with collaboration of Dr. Smriti Singh (MCST Hospital).	Nearby Village	126
6	Organized Eye Health Checkup camp with collaboration of Shayam Sah Medical College Rewa at Sarlanagar Hospital.	Nearby Village	600
7	Cataract Surgery done for selected patients for Eye Health checkup camp at Shyam Sah Medical Collage.	Nearby Village	97
8	4 nos. of borewell installation and 8 nos. of Borewell repairing at nearby villages.	Nearby Village	3200


विशाल नेत्र चिकित्सा शिविर


स्वास्थ्य शिक्षा प्रशिक्षण


% of Male, Female and Child
30%
51%
19%
Female
Male
Child

Education Initiative

Education: Summary of Activities			
S.L	**Activities**	**Area/Village**	**Beneficiaries**
1	Teaching Learning Materials Distribution Program For 10 nos. of Anganwadis.	Nearby Village	400
2	Educational Kit Distribution program to 12 of schools.	Nearby Village	436
3	Blazer distribution program at Govt. College Badera in presence of MLA Maihar.	Shrinagar	455
4	Road Safety Awareness Session organized at various govt. schools at nearby villages	Nearby schools	1140
5	8 nos. of schools supported with Gift items for National day celebration Sweets (Biscuits) distribution program at schools and anganwadi during republic Day in more than 5600 students.	Nearby Village	5600
6	Purchase of 10 nos. of water cooler for distribution in various Govt schools at nearby villages.	Nearby Schools	4000
7	Purchase of 4 nos. of sanitary pad vending machine for high schools.	Nearby Village	1200
8	Distribution of repaired furniture to Govt. High School Tiloura (100 nos. of Bench Desk)	Tiloura	600
9	Organized 10 nos. of "Swatchata Hi Seva" program with poster and slogan competition at nearby schools of Mines and plants.	Nearby Village	1500
	Total		**11053**


शासकीय माध्यमिक विद्यालय कोठी


सड़क सुरक्षा जागरूकता अभियान

Sustainable Livelihood

S Livelihood: Summary of Activities			
S.L	**Activities**	**Area/Village**	**Beneficiaries**
1	Distribution of 5 nos. of Tailoring Machine to women entrepreneur at Banka Village Satna	Bhaka	5
2	Distribution of 10 nos. Self Business Starting Kit the VTC trainee for their income generation activities	Sarlanagar	10
3	Exposure Visit at Artisan from Bhadanpur Village at Uchehara for the Bamboo Craft	Bhadanpur	15
4	Inauguration of Beauty parlor and Tailoring Service Point at Cooperative Store Sarlanagar	Sarlanagar	60
5	Farmer Education Tour for modern agricultural practice at KVK majhganwana.	Tiloura, Umari-Fifri, Shrinagar, Patehara, Gondin	38
6	Pilot Project for Mushroom Cultivation at Silounti Village under income generation activities	Silounti	15

7	VTC Training Program (Tailoring and Cutting, Beauty Parlor, Electrical and Electronic, Diesel Engine & Tractor Repairing)	Nearby Village	135
8	5 nos. of Pond Deepening work done for water conservation and ground water recharge at nearby villages	Nearby Village	6000

Infrastructure Initiative

Infrastructure: Summary of Activities			
S.L	**Activities**	**Area/Village**	**Beneficiaries**
1	Inauguration of Newly constructed Anganwadi Centre and 2 nos. of additional Classroom at Baihar Village	Baihar	200
2	Construction of 725 Mtr CC Road at Devraj village (Panchayat Deori)	Deroi	3500
3	Construction of 2 nos. of Muktidham at the village Bamhani and Bhadanpur N	Bhadanpur N, Bamhani	4500
4	Construction of School Toilets at Govt. Primary School Bhadanpur South	Bhadanpur S	135
5	Leveling and cleaning work done at various schools ground, Roads, and Drains at nearby villages	Nearby Village	3500
6	2 nos. of Barat Ghar at under construction stage at Village Umarour and Bhadanpur South	Bhadanpur S, Umrour	7000

Social Empowerment

Social Empowerment: Summary of Activities			
S.L	**Activities**	**Area/Village**	**Beneficiaries**
1	10 nos. of Environment Awareness program at Nearby Village with Plant distribution	Nearby Village	150
2	Plantation Drive conducted at nearby village like Umari-fifri, Bhadanpur S, Piprabarband Village and others	Nearby Village	450
3	World Population Days celebrated at VTC with VTC trainee	Sarlanagar	45

4	Organizing of Village Level Cricket Tournament at Ramleela Ground and sports Kit distribution program	Nearby Village	300
5	Faishon Show competition for VTC trainee at Sarlanagar Mahavidyalaya	Sarlanagar	150
6	Blanket distribution program for older person during the session of Winer	Sagmaniya	40
7	Musical Instrument distributed to Prabhat Feri Group at Tiloura Village	Tiloura	15
8	Maihar Railway station is supported with Mobile Charging Point during the Mahakumbh session	Maihar	
9	Organized the Educational Tour for the VTC trainee at Mukundpur Tiger Reserve	Nearby Village	55
10	Organizing "Umang Khel Mahotasava For Anganwadi workers and Community women's	Nearby Village	700
11	Purchase of LED bulb for the distribution in the Piprabarbad village	Piprabarband Village	3500
	Total		**5405**

As part of the environmental sustainability initiative, a Plantation Drive was conducted at nearby villages including Umari-Fifri, Bhadanpur South, Piprabarband, and others under the CSR Department of UltraTech Maihar Cement Works. The drive focused on enhancing green cover in the region by planting saplings at school premises, community spaces, and other public areas. More than 2,000 saplings including Neem, Peepal, Ashok, and Jamun were planted with active participation from school children, local panchayat members, and community volunteers

PART – I

Miscellaneous:

Any other particulars in respect of environmental protection and abatement of Pollution.

Measures Taken to Abate/ Mitigate Environmental Pollution.

We have state-of –the-art technology Pollution Control Equipment's (ESP's, Bag House/RABH, Bag Filters) in the process since commissioning of the plant, for existing expansion

S N	Section /Area	Activity details related Measures taken against Environment Protection and abatement of pollution
1	Kiln-I	Kiln 1 Bag house (Inspection/replacement of damaged bags, pulsing solenoid valve, air filters
2	Kiln-II	Kiln 2 Bag house (Inspection/replacement of damaged bags, pulsing solenoid valve, air filters
3	Kiln -II	Filter bags replaced of Kiln 2 bag house size 160 x 9000 mm- Filter Bags replaced 200 Nos
4	Kiln-III	RABH Bag replacement and maintenance
5	Kiln-I & Kiln -II	Replacement of Solenoid valve seal kit with piston of Kiln 1 & Kiln 2 bag house- 280 Nos
6	Kiln-3/ESP	Insulation work at ESP duct
7	Kiln & Clinker circuit	Filter bags replaced of Kiln & Clinker transport bag house size 150 x 3600mm- Filter Bags replaced 400 Nos
8	Raw Mill-3	Cleaning work at Raw Mill, Bag house & KF
9	Raw Mill-3	Filter bags replacement for silo top bag filter
10	Raw Mill-3	Cleaning at GCT and bag house
11		
12	Coal Mill	Filter bags replaced of Coal VRM bag house size 150 x 4550 mm- Filter Bags replaced 200 Nos
13	Cooler	Cooler ESP rapping gear box replacement- 04 set
14	Cooler -I & II	L-1 &2 Cooler ESP Maintenance carried out in SD
15	Cooler -I & II	Complete cleaning of ESP fields and discharge hoppers by compressed air& removal of RAL, replacement damage electrode, insulator
16	Cooler -I & II	COOLER ESP TOP ROOF INSULATION WORK
17	Cooler -I & II	All Rapping system shaft bearing, sleeve and Plummer block to be cleaned and if found any damage to be replaced.& & Repairing/Replacement of geared motor its alignment., GD Screen repairing, meggering & air load test
18	Cooler -I & II	Replacement of damaged emitting & Collecting electrodes , cleaning of insulator and replace damage
19	Cooler -I & II	Shock anvil pad of emitting electrode system to be checked and repaired. Rapping drive inspection & repair
20	Cooler-3	Cooler Esp internal cleaning and maintenance
21	Cooler-3	Insulation work at ESP duct
22	Cooler-3	Cooler ESP Top Roof Insulation work
23	Cement Mill-1	Dust Collector Bags cleaning and replacement, MTS Dust Collector Bag Clean & Replacement, Fly ash Circuit Dust Collector bags replacement
26	Cement Mill-2	BAG CLEANING AND REPL. SEPEX VENT. CM2 CM 2 VENTING BAG HOUSE COTAING REMOVING

28	Cement Mill-3	Filter bag replacement work
29	Cement Mill-4	51 BF-5 BAG CLEANING/REPL. WORK, 51BF3 BAG FILTER CHECKING AND REPLACE, CM4-BAG HOUSE (051BH1) , CM4-BAGFILTER-5(051BF5) BAG REPLACE WORK , CM5-BAGFILTER-3(052BF3)BAG CHECKING WORK , CM5-BAGHOUSE FAN-10 (52FN10) COATING REV, CM5-BAG HOUSE (052BH1) BAG HOSE, MA3-M-CM5-RAL F BAG HOUSE (052RF6) , CM5-BAGFILTER-5 (052BF5)BAG REPLACE WORK, BAGFILTER-2 (052BF2)BAG CHECKING WORK, CM5-BAGFILTER-5 (052BF7) BAG REPLACE WOR ,CM5-BAG HOUSE (052BH1), CM5- (052BF3) BAGS CHECKING AND REPLACE, BAGFILTER (052BF5) BAGS CHECKING/REPL
43	CM-3 ESP	ESP Inspection & Maintenance work carried out, ESP Controller for Cement Mill-3 ESP., CM5-ESP Zone (052HF1) maintenance work
46	Coal Handling Plant	Filter bags replaced of CHP bag house size 125 x 3150 mm

Sr. No	**Section /Area**	**Activity details related Measures taken against Environment Protection and abatement of pollution**	**Quantity Nos/Set**
1	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Hybrid filter TPP-1 during annual maintenance in the month of sept.2024	Bags-72 Nos. SOV- 18 Nos. Swing bearing- 1 Nos. CE rapping anvil-4 Nos. Union 1.5'' - 3 Nos. Hose pipe 1.5''- 2 Nos.
2	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Coal hopper Bag Filter No.1 TPP-1 in the month of June2024	All Bag cleaned and 2 no. SOV replaced
3	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Coal hopper Bag Filter No. 2 TPP-1 in the month of June2024	All Bag cleaned, 1 No. SOV repaired, Hopper discharge plate gate replaced.
4	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Coal hopper Bag Filter No. 3 TPP-1 in the month of June2024	All Bag cleaned
5	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Coal hopper Bag Filter No. 4 TPP-1 in the month of June2024	All Bag cleaned, 2 Nos SOV repaired.
6	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Bed Material Hopper Bag Filter TPP 1 in the month of June2024	All Bag cleaned, 1 No. pursing air hose replaced.
7	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Fly ash Hopper Bag Filter No.1 TPP 1 in the month of June2024	All Bag cleaned, 3 Nos SOV repaired.
8	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Fly ash Hopper Bag Filter No.2 TPP 1 in the month of June2024	All Bag cleaned, 1 Nos SOV repaired.
9	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Fly ash Hopper Bag Filter No.3 TPP 1 in the month of June2024	All Bag cleaned
10	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Hybrid filter TPP-2 during annual maintenance in the month of Oct.2024	Bags-832 Nos. Bag Cage-35 Nos. SOV- 5 Nos. Purge pipe flange- 128 Nos. CE rapping anvil-8 Nos. Hose pipe 1.5''- 22 Nos.

11	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Coal Bunker Bag Filter TPP 2 in the month of July2024	05 Nos Bag changed, and RAV geared motor oil replaced.
12	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Transfer tower Bag Filter TPP 2 in the month of July2024	08 Nos bag changed
13	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Bed ash Hopper Bag Filter TPP 2 in the month of July2024	All Bag cleaned, 1 Nos SOV replaced.
14	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Fly ash Hopper Bag Filter No.1 TPP 2 in the month of July2024	All Bag cleaned
15	CPP-I & CPP-II	Inspection, cleaning and Maintenance of Fly ash Hopper Bag Filter -2 TPP 2 in the month of July2024	All Bag cleaned
16	CPP-I & CPP-II	ESP inlet and outlet Expansion bellow replaced during annual maintenance in the month of Oct.2024	Exp. Bellow-2Nos.
17	CPP-I & CPP-II	Conveying line of Fly ash system No. 11 replaced in the month of Jan/Feb2025.	10 Mtr., Bend- 10 Nos.
18	CPP-I & CPP-II	Conveying line of Fly ash system No. 20 replaced in the month of March2025.	17 Mtr., Bend- 4 Nos.
19	CPP-I & CPP-II	Conveying line of Bed material system No. 12A replaced in the month of March2025.	80 Mtr, Bend - 12 Nos.
20	CPP-I & CPP-II	Conveying line of Bed ash system No. 6 replaced in the month of March2025.	50 Mtr, Bend - 4Nos.

Energy Saving related improvement initiatives

Sl.no	Name of Energy saving projects	Electrical savings (Million kWh)
1	Installation of double midtap duct in L-3 AQC boiler	1.58
2	Replacement with 2500kW 6.6kV HT High efficiency motor in Cement mill 4 & 5	1.44
3	Installation of hot air system from cooler stack to Coal Ball Mill -3	2.3
4	Air dryer for L-1,2&3 Kiln and cement mill area	0.44
5	Installation of Energy Efficient ID Fan for Unit-1	1.03
6	Raw Mill 3 Classifier up gradation	1.01
7	Raw Mill-1 VRM classifier upgradation	0.94
8	Kiln 1 and 2 cooler vent fan inlet damper removal	0.14

The unit is acknowledged ISO certification by Bureau of Indian Standards for cement plant for- ISO-9001, ISO-14001, ISO-45001 ISO 50001, certifying agency is SGS, UK.

We have adopted management systems are as under:

Particulars	ISO 9001	ISO 14001	ISO 45001	ISO 50001
Year of Certification	7-Apr'2025	7-Apr'2025	7-Apr'2025	14 May 2025
Certifying Agency	SGS, UK	SGS, UK	SGS, UK	SGS, Italy

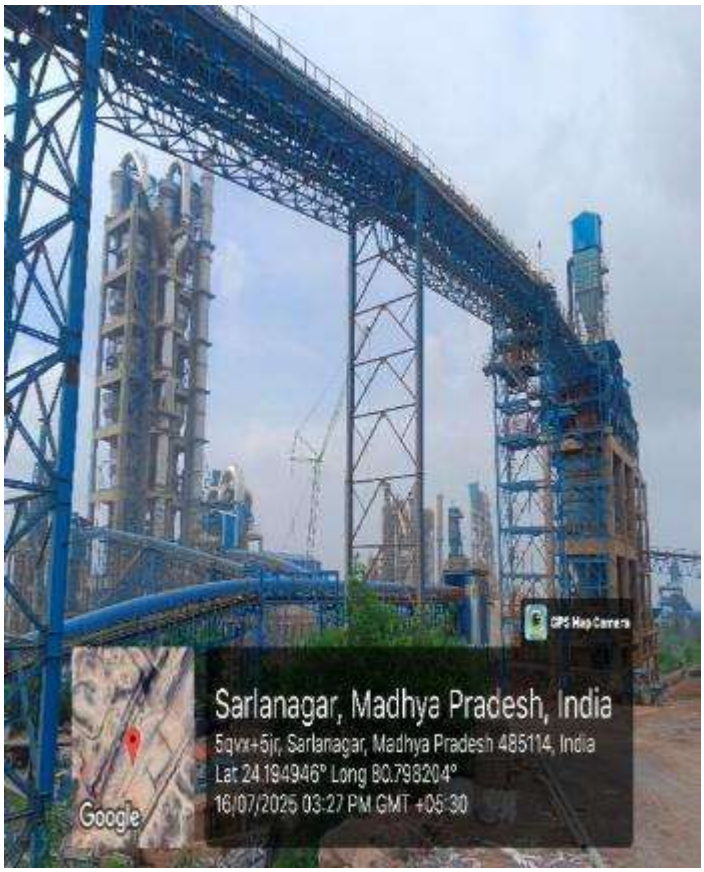
Apart from these Pollution Control Equipment's, we have taken various steps & Good practices adopted at Maihar Cement Works are as under:

- 02 Nos Dust Collector installed at Cement Mill-4& 5 venting
- Clinker Transfer circuit Dust Collector installed
- Replaced existing Dust collector with high capacity of Kiln-1& 2 Clinker DPC.
- Water spray modification and water nozzle replaced at BC-9 OLBC Limestone conveyor belt
- All conveyors skirt replaced, and all venting pipe line cleaning done
- Cement Mill -4 & 5 All conveyors belts skirt has been replaced
- Cement Mill-5 BC-4 skirt replaced with HOSCH make skirts and impact pads
- Transportation of fly ash through bulkers
- Water sprinkler Nozzles replaced at wagon unloading/limestone & Coal conveyor
- Silos for fly ash storage.
- Fully covered belt conveyors for raw materials transportation
- Air cooled condenser for CPPs and WHRS.
- Installation of WHRS 20 MW
- Conventional light replaced with LED lights in Plant & Colony
- Maintenance & operation of Biogas plant.

RM-3 LS-01 Belt conveyor Water Sprinkling system

Water Spray at Lime stone Belt conveyor

All Covered Belt Conveyor at our Existing Expansion and Existing Plant



Proper Storage shed is provided for Raw material for our expansion Cement Plant

Construction of storage facility for Fly Ash , Clinker, Cement , Coal, Gypsum , Slag and laterite are provided .

Fly Ash Silo

Fly ash Unloading Pit

Clinker Silo

Cement Silo

Cement/Clinker Bulk loading Silo

Limestone Storage Shed

Coal/Gypsum/Slag/Laterite Shed

CPP-1 & 2 Additional one-line Lime stone powder dosing Feeding line modification

N-Pit modification for treatment & utilization of waste water

Measures taken for reduction of Fugitive dust emission

- 02 Nos Dust Collector installed at Cement Mill-4& 5 venting
- Clinker Transfer circuit Dust Collector installed
- Replaced existing Dust collector with high capacity of Kiln-1& 2 Clinker DPC
- Installation of Bag Filters at every transfer point and Bag Filter monitoring being done.
- All belt conveyers are fully covered.
- Maintenance and cleaning of Nozzles of Water spraying system for belt conveyer during materials conveying like limestone additive, Coal etc.
- Sweeping of paved road is being done regularly by mechanized sweeping machine.
- Covering of all raw materials and products. Storing of cement in close silos.
- Storing of clinker in close stock piles.
- Provided rubbers belt curtains at suitable location / opening.
- Green belt development.
- Regular monitoring of fugitive dust emission.

- **Water Sprinkling System:** Water sprinkling arrangement is provided at Wagon unloading and at Coal/Limestone conveyor belt conveyor we have provided one water tankers for water spray.


Water Spray at Wagon tippler

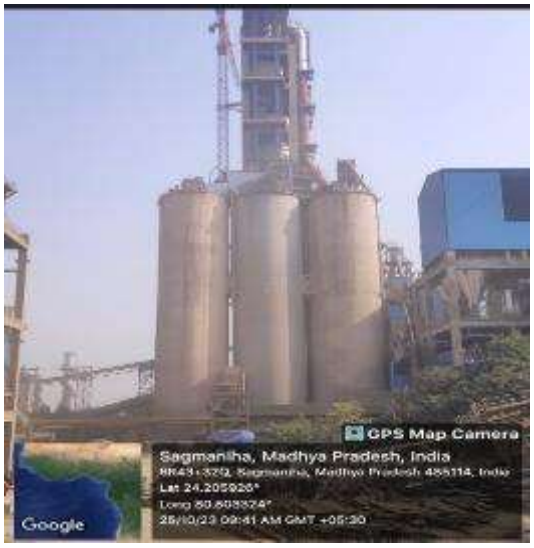
Road Sweeping Machine Vacuum Cleaning Machine-04 Nos

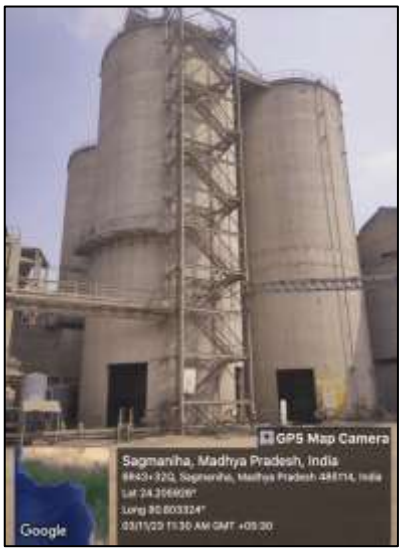


Fully Covered Belt Conveyor Covered Shed for Raw Material

Limestone Stacker Reclaimer

Coal Stacker Reclaimer





Raw Mill Silo	**Fly Ash Silo's**

Occupational Health Surveillance Programme

30 bed hospital is available with Two doctors along with staff for rendering medical services to the employees and population in and around the local villages. Once in a weekly paediatrician doctor are visiting outside.

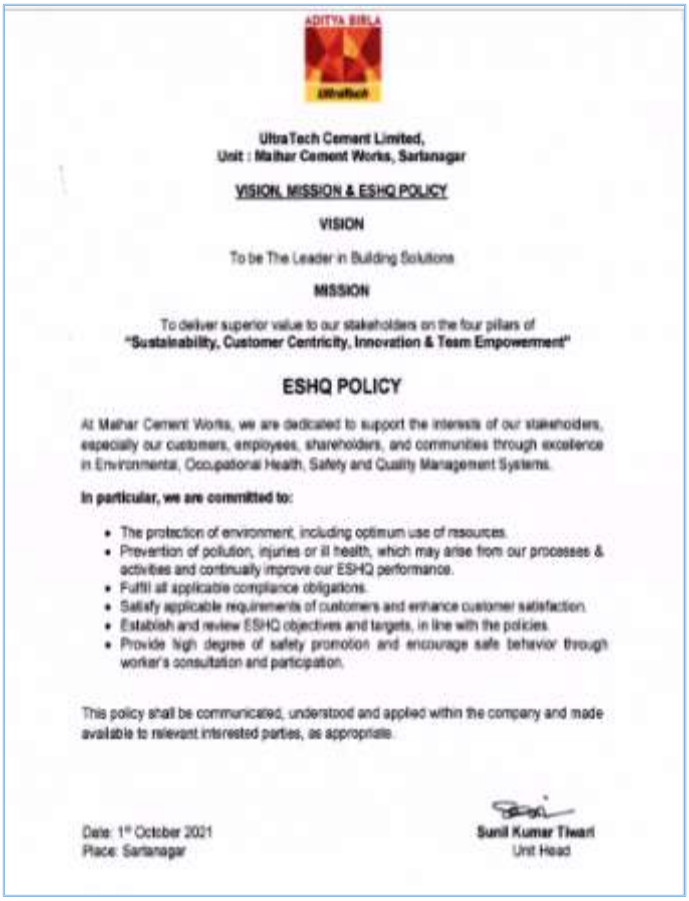
Occupational health check-up of workers has been carried out on 02 type of working area i.e. Normal area ECG, CBC, LFT, KFT, Urine REM, Chest X-Ray, Audiometer Spirometry and 2nd type of area i.e. Dust Prone and Noise prone area Audiometry, Spirometry, Eye test, PFT test, Sputum test etc. was done.

Maihar Cement has provided occupational health centre functioning round the clock. Qualified doctor and 24 Hrs. availability of pharmacist and ambulance has been ensured at site to render the medical assistance. Tie up arrangements is also there with nearest hospital and nursing home for the plant. First aid boxes have been kept at 58 identified locations for emergency. Maihar Cement has also operated full flagged hospital in the vicinity of cement plant.

Occupational health check-up report period from April 2024 to March 2025		
Category of Manpower as per work	**Type of test carried out**	**Nos. of employees**
Normal area	ECG, CBC, LFT, KFT, URIN R/M CHEST, X-RAY Audiometer, Spirometry	**3372**
Dust Prone area	Audiometry, Spirometry on Six monthly.	
High Noise area	Audiometry on six monthly.	

Month wise Occupational Health Check-up (April 2024 to March 2025)													
Particulars	**Apr-24**	**May-24**	**Jun-24**	**Jul-24**	**Aug-24**	**Sep-24**	**Oct-24**	**Nov-24**	**Dec-24**	**Jan-25**	**Feb-25**	**Mar-25**	**Total**
PFT	61	314	512	306	59	267	364	58	17	409	613	493	
Audiometry	61	314	512	306	45	46	9	42	9	409	613	493	
Eye Test	61	314	512	306	59	267	364	58	17	409	613	493	
Blood Test	61	314	512	306	59	267	364	58	17	409	613	493	3372
X-Ray	61	314	512	306	45	39	9	42	9	409	613	493	
ECG	61	314	512	306	45	39	9	42	9	409	613	493	
Sptum Test	61	314	512	306	59	267	364	58	17	409	613	493	
Total													**3372**

Corporate Environment Policy



ADITYA BIRLA

UltraTech Cement Limited,
Unit : Mathar Cement Works, Sartanagar

VISION, MISSION & ESHQ POLICY

VISION

To be The Leader in Building Solutions

MISSION

To deliver superior value to our stakeholders on the four pillars of
"Sustainability, Customer Centricity, Innovation & Team Empowerment"

ESHQ POLICY

At Mathar Cement Works, we are dedicated to support the interests of our stakeholders, especially our customers, employees, shareholders, and communities through excellence in Environmental, Occupational Health, Safety and Quality Management Systems.

In particular, we are committed to:

- The protection of environment, including optimum use of resources.
- Prevention of pollution, injuries or ill health, which may arise from our processes & activities and continually improve our ESHQ performance.
- Fulfil all applicable compliance obligations.
- Satisfy applicable requirements of customers and enhance customer satisfaction.
- Establish and review ESHQ objectives and targets, in line with the policies.
- Provide high degree of safety promotion and encourage safe behavior through worker's consultation and participation.

This policy shall be communicated, understood and applied within the company and made available to relevant interested parties, as appropriate.

Date: 1st October 2021
Place: Sartanagar

Sunil Kumar Tiwari
Unit Head

ADITYA BIRLA

Corporate Environment Policy

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

We will proactively commit towards:

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

Kailash Jhanwar
Managing Director

November 2020

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

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

Figure 1: Hierarchical System to address Environmental Issues

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

Kailash Jhanwar
Managing Director

November 2020

Plantation/Greenbelt

Water Management:

The domestic effluent is being treated in STP having capacity of 800 KLD. PTZ camera has been provided and connected to MPPCB, and maintaining zero liquid discharge.

Details of Sewage Treatment Plant (STP) are as under:

a) **Screen chamber:**
The sewage will be pass through the screen chamber for the removal of floating objects, bigger size particles which otherwise will hamper the functioning of the subsequent units.

b) **Sump**:
The sewage is first taken into a sump after passing through the screen chamber. This sump will also act as equalization tank, where the effluent will be equalized in order to have uniform flow for the subsequent units.

c) **Grit chamber**:
After sump, the sewage passed through the grit chamber for removal of grit materials.

d) **Aeration tank**
The sewage is then taken into the aeration tank. This unit is provided for biological treatment of effluent to remove dissolved and suspended organic matter. In this unit the soluble organics are degraded aerobic bacteria. In order to ensure required population of bacteria in the unit, mixed liquid suspended solids (MLSS) concentration and food to micro-organism ratio (f/m) is maintained by controlled recirculation of the sludge from clarifier. The oxygen is supplied by battery of fixed type slow speed surface aerators.

e) **Clarifier:** The sewage is ten taken into the clarifier for settling of the sludge generated, the scrapper mechanism of clarifier ensures good collection of settled solids at the bottom sludge pit from where the sludge is taken to the sludge sump. A part of the sludge is recirculated to the conventional aeration tank and rest is sent to the sludge drying beds for drying.

f) **Clarifloculator:**
The treated sewage from the clarifier is taken into the clarioflocualtor. Before clarifloculator the treated sewage is passed through flash mixer where alum is dosed. The sludge from the calrifloculator is taken into the sludge drying bed whereas the treated sewage is subjected to chlorine contact tank.

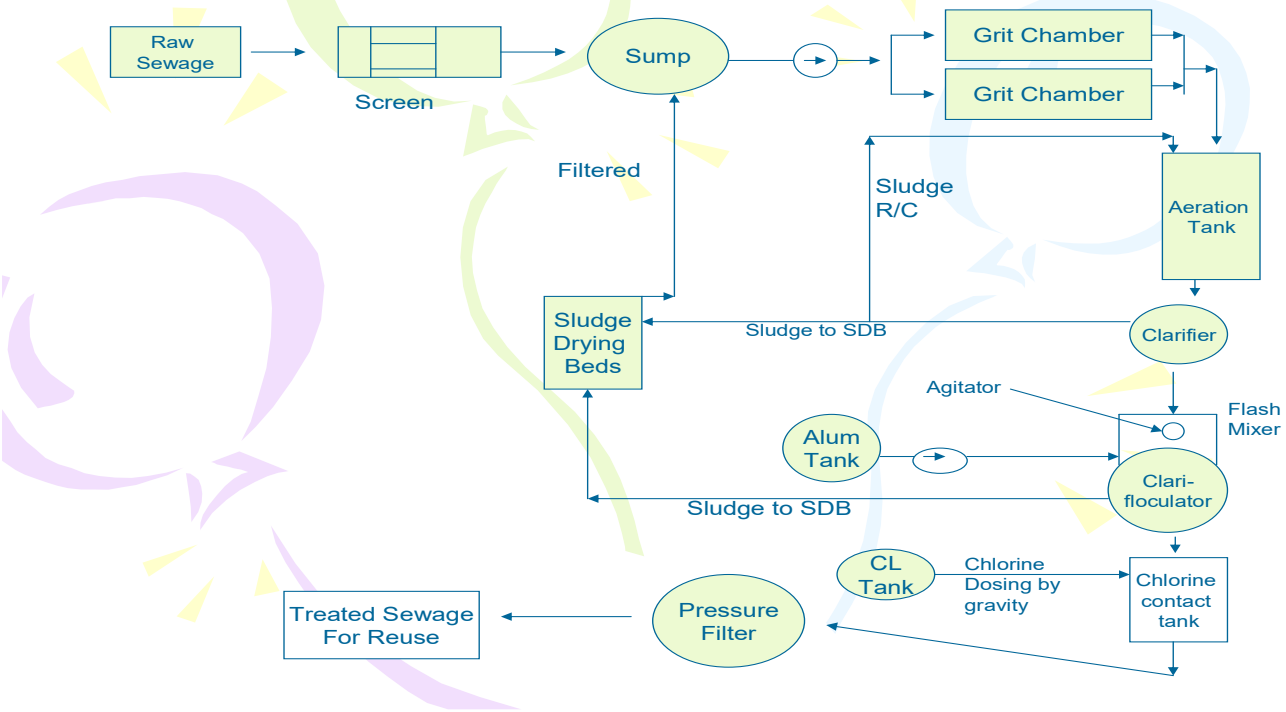
g) **Chlorine contact tank:**

Chlorine contact tank is being provided for achieving chlorination for disinfection. The treated sewage will be taken into the chlorine contact tank where chlorine will be added.

h) **Pressure filter**

The treated sewage from chlorine contact tank will be taken into the pressure filter for making the treated sewage water is reuse in plant process and gardening purpose

PROCESS FLOW DIAGRAM OF SEWAGE TREATMENT CUM REUSE PLANT



N-Pit – N-Pit is provided for the treatment of waste water generated from DM Plant & CPP.

DETAILS OF CARBON FOOTPRINT & CARBON SEQUESTERATION

- 12.5 MW Solar Power plant installed at site
- Installation of Biogas Plant
- Some of the major areas which could offer significant GHG emission reduction opportunities are:
- Generation and Utilization of Power from Waste Heat Recovery
- Use of Alternative fuels & biomass
- Reduction of clinker to cement ratio.
- Increasing the Percentage of Additives in Blended Cement
- Producing Composite cement
- Use of Fly ash in cement
- Development of Greenbelt/Plantation

Plant CO_2 Reduction by installation of WHRS

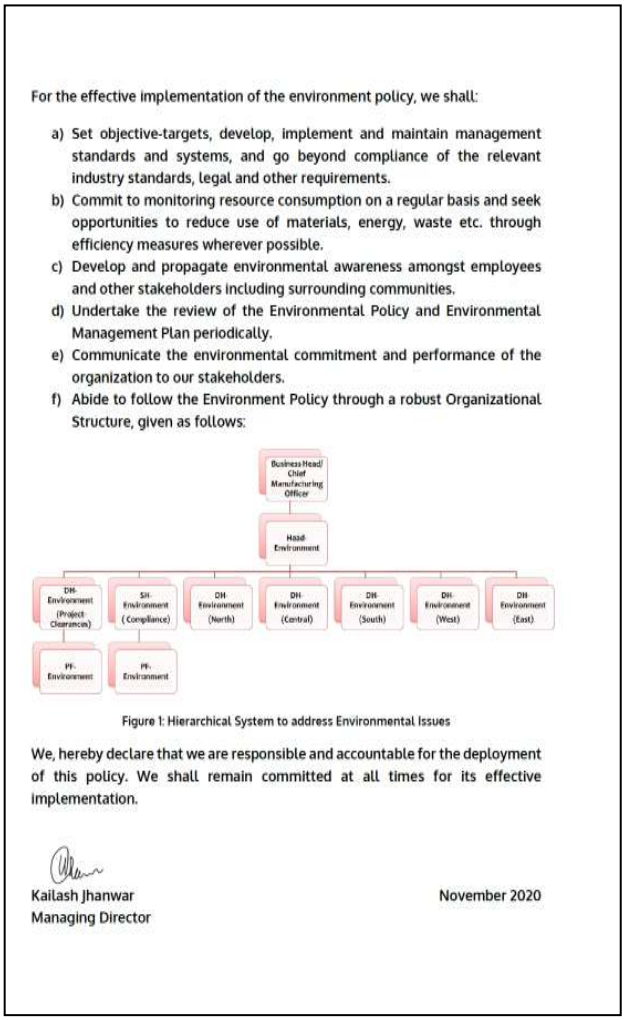
- Company has installed Waste Heat Recovery System (WHRS) of capacity MW for re-utilization of the exhaust gases from the Pre-heater/ Cooler to generate electric power and consequently reduce consumption of grid power through fossil fuel. The project will contribute to the more efficient use of energy and will reduce reliance on exhaustible fossil fuel.

ENVIRONMENT MANAGEMENT CELL

In order to maintain the environmental quality within the standards, regular monitoring of various environmental components is being done. Maihar Cement Works have a full-fledged Environmental Management Cell (EMC) reporting directly to Unit Head. The EMC team is being taking care of pollution monitoring aspects and implementation of control measures as per the stipulated conditions in the Consent Orders or Authorization issued by the various statutory bodies i.e. State Pollution Control Board, Central Pollution Control Board, Ministry of Environment & Forest, Central Ground Water Authority etc. A team of qualified and efficient engineers with technical staff has deputed for maintenance, up keeping and monitoring the pollution control equipment

OBJECTIVES OF ENVIRONMENT CELL:

- Monitoring of stacks, ambient air quality, fugitive emission, noise, water, testing waste water quality.
- Compliance of conditions given in various statutory clearances and conducting different studies related with Environment
- Preparation and submission of Environment Statement, monthly, quarterly, half yearly monitoring report & yearly return.
- Compliance of other regulatory requirements
- Implement water conservation and harvesting initiates.
- Development of environmental awareness among the plant person as well as at surrounding schools & villages.
- Highlighting major environmental activities to external agencies
- Ensure Implementations of newly notified guidelines.



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

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

Figure 1: Hierarchical System to address Environmental Issues

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

Kailash Jhanwar
Managing Director

November 2020

KEY ACTIVITIES OF ENVIRONMENT CELL

- Development of Environmental Feed Back & Reporting and reviewing system, where information flows from bottom to top.
- Monitoring / Measurement of various parameters like Air, Water and Noise etc.
- Inspection of bag filters installed at transfer points.
- Full scale treatment of sewage and management of treated sewage and check the treated waste water quality of STP performance.
- Arrange for repairs and maintenance of pollution monitoring and control systems.
- Co-ordination with various departments for effective implementation of pollution control measures to ensure statutory compliance.
- Organize testing of Water, Hazardous waste from external agencies to ensure compliance.
- Calibration of monitoring equipment's.

We have an organizational structure for Environment Management to carry out implementation of Environment measures envisaged at site in enclosed guidance of Corporate Environment Head and under direct supervision of Unit Head Corporate Environment policy and organization is as under:

Environment Cell			
TECHNICAL STAFF			
1.	Name	:	**Dr. K. V. Reddy**
	Designation		Joint President & Corporate Head (Environment)
	Qualifications		M. Sc. & PhD
2	Name		**Mr. Bijneswar Mohanty**
	Designation	:	President & Unit Head
	Qualifications	:	B. E. (Electrical) & PG Diploma in Operation Management
3.	Name	:	**Mr. Mustakeem Mohammed**
	Designation	:	Vice President (FH-Technical)
	Qualifications	:	B. E. (Chemical)
4.	Name	:	**Dr. Ratnesh Srivastava**
	Designation	:	General Manager & Zonal Head (Environment)
	Qualifications	:	M. Sc. & PhD (Environment)
5.	Name	:	**Mr Manoj Lohakare**
	Designation	:	Sr. Manager & SH – (Environment)
	Qualification	:	B.Sc. (Chemistry) & Advanced Diploma in Industrial Safety
6	Name	:	**Ayushi Singh**
	Designation	:	Assistant Manager (Environment)
	Qualification	:	M.Sc. (Environmental Science & Resource Management)
SUPPORTING TECHNICAL STAFF			
7	Name	:	**Mr. Shivank Singh**
	Designation	:	Field Co-ordination
8	Name	:	**Mr. Anuj Chaturvedi**
	Designation	:	Field Co-ordination
9	Name	:	**Mr. Sandeep Singh**
	Designation	:	Field Assistant

POLLUTION MONITORING EQUIPMENTS AND FACILITIES

S N	Name of Equipment's	Mode/Type	Make	Quantity
1.	Fine Particulate Sampler	APM – 172 & APM- 172 mini	ETCL Greater Noida & ECOTECH,	5 Nos.
2.	Respirable Dust Sampler	APM – 460 & APM -- 415 BL	Envirotech, New Delhi & ETCL Greater Noida	5 Nos.
3.	Personal Sampler with cyclone system	ETCL	ETCL Greater Noida	1 Nos.
4.	Stack Monitoring Kit	APM – 901	ETCL	1 Nos.
5.	Pitot Tube (3 m Length)	S Type	ETCL, Greater Noida	1 No
6.	Noise level meter	SL-4010	Envirotech, New Delhi	1 Nos.
7.	Flue Gas Analyser	Seitron-Nova 4S	Seitron	01 No.
8.	Weighing Balance	Mettlar-AB204S	Mettler Toledo	01 No.