MY HOME GROUP

My Home Industries Private Limited

MAHA CEMENT
BUILD IT STRONG

MHIPL/MCW/ENV/2023/199 21.09.2023

To
The Environmental Engineer
Telangana State Pollution Control Board, Regional Office
H.NO. 8-15,1st floor, Sri Laxmi complex, Near RTO,
Sri Vinayaka Nagar, Hyderabad Road
NALGONDA - 508 001

Dear Sir,

Sub: Submission of Environmental Statement (Form-V) for the FY 2022-23-Reg.
Ref: Consent order no. 21082278516, Dated. 17.02.2021

This has reference to the subject cited above, we are herewith submitting Environmental Statement (Form-V) for the Financial Year 2022-23 as required under the Environment Protection Rules, 1986 for our **60 MW Captive Power Plant.**

This is for your kind information and records please.

Thanking you

Yours faithfully
for MY HOME INDUSTRIES PRIVATE LIMITED

N. Srinivas Rao
President (Works) & Unit Head

Encl: As Above

T.S.P.C.B. * Dt:23/09/2023 * R.O. NALGONDA

Works: Srinagar, Mellacheruvu (Post & Mandal), Suryapet Dist. - 508 246, Telangana, India.
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ENVIRONMENTAL STATEMENT REPORT

(FORM-V)

YEAR 2022-23

60 MW CAPTIVE THERMAL POWER PLANT

MY HOME INDUSTRIES PRIVATE LIMITED

Mellacheruvu (Vil. & Mdl.) - 508 246
Suryapet District, Telangana State

FORM – V

(See Rule 14)
Environmental Statement Report for Financial Year Ending 31st March 2023

PART – A

Name and address of the owner /occupier of the industry operation or process	:	**Sri. Chandra Shekhar Pandey** Director (Operations) My Home Industries Private Limited (60 MW Thermal Power Plant) Mellacheruvu (V&M) Suryapet Dist. – 508 246
Industry category Primary-(STC Code) Secondary- (SIC Code)	:	Red category
Production capacity	:	60 MW
Year of Establishment	:	2012
Date of last Environmental Statement submitted	:	26th September 2022

PART – B
WATER AND RAW MATERIAL CONSUMPTION

Water consumption in m^3/day

Process	:	50.7
Cooling	:	2211.4
Domestic	:	14.9

Name of the product	Process water consumption per unit of products (L/KWH)	
	During the current Financial Year (2021-22)	During the current Financial Year (2022-23)
Electrical Power	2.93	3.00

Note*: Plant was in operation for 3043 Hrs only (i.e. 127 days) of Apr'22 & May'22 and Jan-23 to Mar-23. It was under stoppage due to no load in the remaining months.

RAW MATERIAL CONSUMPTION

Name of raw material	Name of product	Consumption of raw material per unit of output	
		During the Financial Year (2021-22)	During the current Financial Year (2022-23)
Coal (Imported & Indigenous)	Power	0.99 Kg/KWh	0.78 Kg/KWh

POWER CONSUMPTION (KWh/KWh OF POWER GENERATION)

During the Financial Year (2021-22)	During the current Financial Year (2022-23)
0.132	0.257

TOTAL POWER GENERATION (MWH)

During the Financial Year (2021-22)	During the Financial Year (2022-23)
59,735	96,364

Note : Plant was in operation for 3043 Hrs. i.e. 127 days only during 2022-23

PART – C
POLLUTION DISCHARGED TO ENVIRONMENT
(Parameter as specified in the consent issued)

Pollutants		Quantity of pollutants discharged 2022-23	Concentrations of pollutants in discharges 2022-23	Percentage of variation from prescribed standards with reasons
a) Water		**Kg/day**	**mg/L**	**%**
	TDS	684.54	1693.6	-19.4
	TSS	25.63	63.4	-36.6
	Copper (Total)	0.057	0.14	-85.8
	Iron (Total)	0.102	0.25	-74.8
	Phosphate	0.094	0.23	-95.4
	Zinc	0.065	0.16	-84.0
	Chromium	0.057	0.14	-29.0
	O&G	0.073	0.20	-98.2
b) Air	**Pollutants**	**Kg/day**	**mg/Nm^3**	**%**
Boiler Stack	PM	164.1	24.22	-51.60
	SO_2	2232.5	330.0	-45.00
	NO_x	686.0	101.4	-66.2
	Mercury	0.00	0.00	-100

Note: Emission standard for PM and SO_2 are applicable from 31.12.2018.
Emission standard for NO_x (450 mg/Nm^3) are applicable from 19.10.2020 as per notification G.S.R. 662(E).

PART – D
HAZARDOUS WASTE
As specified under
Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

Hazardous waste	Total quantity (Kgs)	
	During the Financial Year (2021-22)	During the current Financial Year (2022-23)
From Process		
Waste Oil	141	106
Used Grease	175	33
From Pollution Control Facilities	---	---

Note: Waste oil and waste grease is being utilized for lubrication in chains within plant premises, No waste is disposed to authorized recycler.

PART – E

SOLID WASTE

Solid waste	Total quantity (MT)	
	During the current Financial Year (2021-22)	During the current Financial Year (2022-23)
From pollution control facilities (Fly Ash)	22,594	25,100

PART – F

PLEASE SPECIFY THE CHARACTERISTICS (IN TERMS OF CONCENTRATION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATES DISPOSAL PRACTICE ADOPTED FOR BOTH THESE CATEGORIES OF WASTES

Hazardous waste (Waste oil and used grease) is generated from machinery maintenance and used for lubrication in chains of Stacker-Reclaimer and co-processed in cement plant.

The generated fly ash of 25,101 MT 100% consumed in cement plant for manufacturing of Portland Pozzolona Cement.

PART – G

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

Fly ash and bottom ash generated are being totally used for manufacturing of Portland Pozzolona Cement in the cement plant. Due to this, limestone consumption per ton of cement manufacturing is reduced.

PART – H

ADDITIONAL INVESTMENT FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT OF POLLUTION

MHIPL spent an amount of Rs. 12.92 Lakhs during 2022-23 towards Environmental protection & Abatement of Pollution (Maintenance, PCEs maintenance, PCEs energy consumption charges, Environmental monitoring & Measurement).

PART-I

ANY OTHER PARTICULARS IN RESPECT OF ENVIRONMENTAL PROTECTION AND ABATEMENT OF POLLUTION

- Greenbelt was developed in an area of about 5.80 ha with 6500 No's of plantations at Cement Plant, CPP-1 & CPP-2.
- Coal shed and wind barrier sheets are erected to arrest fugitive dust emissions from coal yard. Water Sprinkler systems are provided for coal stock piles for controlling of fugitive dust emissions and air born dust.
- Environmental monitoring for stack emission, ambient air quality, and noise level and wastewater quality is being done regularly.
- Online stack emission monitoring system is installed for continuous monitoring of stack emissions and connected to TSPCB & CPCB websites.
- Three Continuous Ambient Air Quality Monitoring Stations are installed for monitoring of ambient air quality and connected to SPCB & CPCB websites.
- Online effluent monitoring system is installed at Central Monitoring Basin and connected to TSPCB & CPCB websites.
- Wastewater generated from the Captive Power Plant is totally used for dust suppression and greenbelt maintenance within the plant premises.
- Lime dosing system is available to control of SO_2 emissions.

Authorized Signatory

N. Srinivasa Rao
President (Works) & Unit Head