

Ref: MHIPL-MCW/ENV/2024/183

19.09.2024

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 2023-24 -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 2023-24 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. Srinivasa Rao
President (Works) & Unit Head

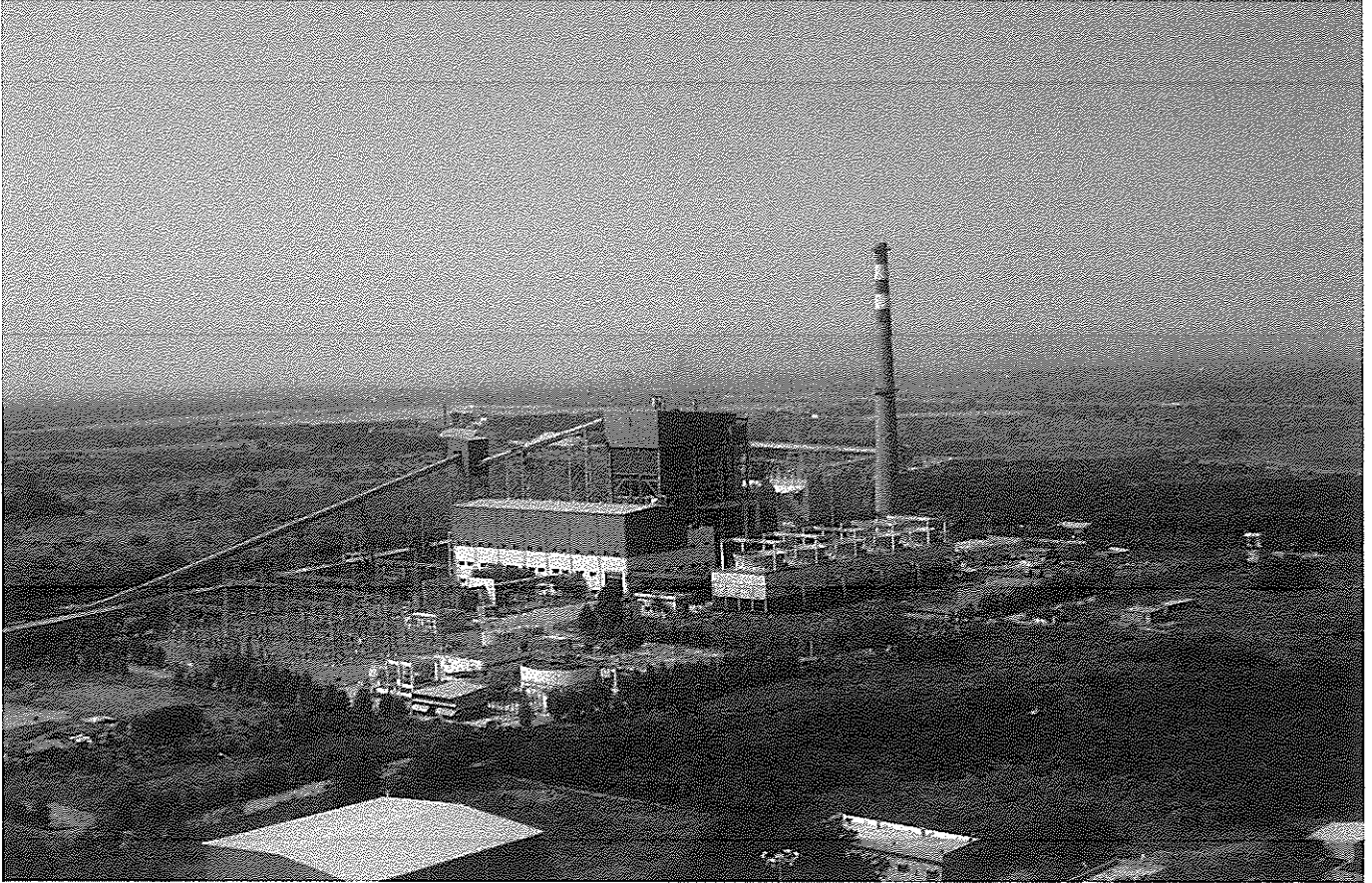
Any
Encl: As Above

Cc: The Member Secretary, Telangana Pollution Control Board, Paryavarana Bhavan, A3, IE, Sanathnagar, HYDERABAD – 500 018.

ENVIRONMENTAL STATEMENT REPORT

(FORM-V)

YEAR 2023-24



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 2024

PART - A

Name and address of the owner /occupier : **Sri. Chandra Shekhar Pandey**
of the industry operation or process Director (Operations)
My Home Industries Private
Limited
(60 MW Thermal Power Plant)
Mellacheruvu (V&M)
Suryapet Dist. - 508 246

Industry category Primary-(STC Code) : Red category
Secondary- (SIC Code)
Production capacity : 60 MW
Year of Establishment : 2012
Date of last Environmental Statement : 23rd Sept'2023
submitted

PART - B

WATER AND RAW MATERIAL CONSUMPTION

Water consumption in m³/day

Process	:	37.23
Cooling	:	2021.19
Domestic	:	9.98

Name of the product	Process water consumption per unit of products (L/KWH)	
	During the Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
Electrical Power	3.00	3.07

Note*: Plant was in operation for 5048 Hrs only (i.e. 210 days), (07.07.'2023 to 07.12'2023 it was under stoppage due to no load)

RAW MATERIAL CONSUMPTION

Name of raw material	Name of product	Consumption of raw material per unit of output	
		During the Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
Coal (Imported & Indigenous)	Power	0.78 Kg/KWh	0.82 Kg/KWh

POWER CONSUMPTION (KWh/KWh OF POWER GENERATION)

During the Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
0.257	0.138

TOTAL POWER GENERATION (MWH)

During the Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
96,364	1,41,660

Note : Plant was in operation for 5048 Hrs. i.e. 210 days only during 2023-24.

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

Pollutants		Quantity of pollutants discharged 2023-24 Kg/day	Concentration s of pollutants in discharges 2023-24 mg/L	Percentage of variation from prescribed standards with reasons
A. Water	TDS	383.80	999.8	-52.4
	TSS	12.48	32.5	-67.5
	Copper (Total)	0.064	0.20	-83.3
	Iron (Total)	0.076	0.20	-80.1
	Phosphate	0.052	0.10	-97.3
	Zinc	0.041	0.10	-89.3
	Chromium	0.052	0.10	-31.7
	O&G	0.025	0.10	-99.3
B. Air	Pollutants	Kg/day	mg/Nm³	%
Boiler Stack	PM	136.7	23.61	-52.80
	SO ₂	2265.9	348.9	-41.90
	NO _x	598.5	92.1	-69.30
	Mercury	0.00	0.00	-100

Note: Emission standard for PM and SO₂ are applicable from 31.12.2018.

Emission standard for NO_x (450 mg/Nm³) 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 Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
From Process		
Waste Oil	106	127
Used Grease	33	47
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 Previous Financial Year (2022-23)	During the current Financial Year (2023-24)
From pollution control facilities (Fly Ash)	25,100	34,120

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 34,120 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. ₹5.16 lakhs during 2023-24 towards Environmental protection & Abatement of Pollution (Maintenance, PCEs maintenance, PCEs energy consumption charges, Environmental monitoring & Measurement).

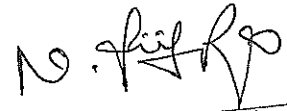
PART-I

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

- Greenbelt was developed in an area of about 3.20 ha with 7,510 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 TGPCB & 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 TGPCB & 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 SO₂ emissions.

Authorized Signatory



N Srinivasa Rao

President (Works) & Unit Head