FORM – V
(See rule 14)
Environmental Audit Report for the Financial year ending the 31st March 2024

PART- A

1.	Name & address of the owner/occupier of the industry, operation or process.	**M/s AIC Iron Industries Pvt. Ltd.** **Shri Dinesh Adukia (Director)** **Address:** **25, Ganesh Chandra Avenue, 4th Floor,** **Kolkata-700 013, West Bengal**
2.	Industry category Primary (STC Code), Secondary (STC Code)	Steel Plant
3.	Production Capacity – Units	The unit Configuration & current Production capacity (as per valid CTO) is presented below, ➢ Induction Furnaces (1X3 T + 1 X 6T+ 2X15 T) : 1,18,800 TPA Billets ➢ DRI Kiln 1x400 TPD (Sponge Iron 1,32,000 TPA) ➢ Captive Power Plant (WHRB based 10 MW) ➢ Rolling Mill - 24,000 TPA (Strips & Pipes) ➢ Slag Crusher 1 Nos.
4.	Year of establishment	2007
5.	Date of last environmental statement	-

PART - B

1	Water Consumption m^3/day process		
		Financial Year (2022-2023) (in m^3/day)	Financial Year (2023-24) (in m^3/day)
	Cooling	7 m^3/day	198 m^3/day
	Domestic	3 m^3/day	27 m^3/day

For AIC Iron Industries (P) Ltd.

Director

	Name of Products		Water consumption per unit of products	
			During the previous financial year (2022-2023)	During the current financial year (2023-2024)
2.	Billets		0.28m^3/T Billet	0.29 m^3/T Billet
	Sponge Iron		0.16 m^3/T Sponge	0.16 m^3/T Sponge
3.	Raw Material Consumption		Consumption of Raw material per unit of out put	
Name of Raw Materials		Name of Products	During the previous financial year (2022-2023)	During the current financial year (2023-24)
1) Sponge Iron 2) Pig Iron /Scrap 3) Ferro Alloys		Billets	1.180 T/T 0.477 T/T 0.015 T/T	1.182 T/T 0.478 T/T 0.015 T/T
1) Iron Ores/Pellet 2) Coal 3) Dolomite		Sponge Iron	1.364 T/T 0.900 T/T 0.027 T/T	1.364 T/T 0.900 T/T 0.027 T/T
In house Billets		Strips & Pipes	1.105 T/T	1.105 T/T

PART – C Pollution Generated (Parameters as specified in the consent issued)			
	Pollutants	Quantity of pollution generated	Percentage of variation from prescribed standards with reason
a	Water (Domestic Effluent)	22 KLD through Septic Tank - Soak Pit system	No variation
b	Air	PM <30 mg/Nm³	No variation

For AIC Iron Industries (P) Ltd.

Director

PART – D Hazardous waste [as specified under Hazardous Wastes (Management & Handling) Rules 1989]			
	Hazardous Wastes	Total Quantity (in Kg)	
		During the previous Financial year	During the current Financial year
a.	From Process	No Hazardous waste produced.	No Hazardous waste produced.
b.	From Pollution Control Facilities	Nil	Nil

PART – E Solid Wastes			
		Total Quantity	
		During the previous Financial year (April, 2022 to March, 2023)	During the current Financial year (April,2023 to March,2024)
a.	From process	➢ Slag from Induction Furnaces - 1680 TPA ➢ Dolochar from Sponge Iron Plant - 9000 TPA	➢ Slag from Induction Furnaces – 2470 TPA ➢ Dolochar from Sponge Iron Plant - 30000 TPA
b.	From pollution control facility	NA	NA
c.	Quantity recycled or re-utilized.	➢ Slag from Induction Furnaces is being used in Land filling / Road making purposes. ➢ Dolochar will be used/Sold out in Power generation.	➢ Slag from Induction Furnaces is being used in Land filling / Road making purposes. ➢ Dolochar will be used/Sold out in Power generation.

PART – F

Please specify the characteristics (in terms of concentration and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

The solid waste which are generated from various sources mainly slag from Induction 4 Furnaces slags and Dolochar from Sponge Iron Plant, belongs in the group of non hazardous category.

PART – G

Impact of pollution control measures on conservation of natural resources and consequently on the cost of production

1. There are 4 nos. hood & one common stack attached with Induction Furnaces for continuous emission of PM only. To reduce dust emissions, Bag Filters has been used with the stack.
2. One stack is attached with Sponge Iron Plant for continuous emission. To reduce dust emissions, ESP has been used with the stack.
3. Diesel Generator sets is being used during the power failure.
4. Under "Zero discharge" concept no industrial effluent discharge outside the plant premises. Treated industrial waste water is being used in the plant premises. Domestic waste water is being treated through Septic Tank - Soak Pit system.
5. To reduce the use of conventional source of energy for conservation of natural resources, the Company has taken several measures.

For AIC Iron Industries (P) Ltd.

Director

	PART – H Additional investment proposal for environmental protection including abatement of pollution
	The Environment (Protection) Rules 1986 **PART – I** **Miscellaneous** Any other particulates in respect of environment protection and abatement of pollution
1.	There is water spray arrangement to control fugitive emissions.
2.	Bag Filters, ESP etc. is provided with the stacks with desired capacity.
3.	The company has developed green belt within the plant area.
4.	World environment day is celebrated to promote awareness of environment issues.