

**ANNEXURE**  
**ENVIRONMENTAL STATEMENT FORM-V**

(See rule 14)

*Environmental Statement for the financial year ending with 1<sup>st</sup> March 2023.*

**PART-A**

i. Name and address of the owner/ occupier of the industry operation or process.	<b>Dr. Subhasish Das</b> Flat No.404, Kalpataru Niwas, Swarn Apruri Road, Behind Idea Office, Bhubanewar.
ii. Industry category Primary-(STC Code) Secondary- (STC Code)	3311- Metallurgical industry Manufacturing of Pellet
iii. Production category – Units.	IRON ORE PELLET
iv. Year of establishment	2007-2008
v. Date of the last environmental statement submitted.	30.06.2022

**PART -B**

*Water and Raw Material Consumption:*

i. Water consumption in m<sup>3</sup>/d

Process	:	125.66 KLD
Cooling	:	27.42 KLD
Domestic	:	184.64 KLD

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial Year
Grinding Section	77.0 KLD	71.73 KLD
Core Section	58.0 KLD	53.93 KLD
Cooling	29.5 KLD	27.42 KLD
Domestic	46.5 KLD	43.23 KLD
Dust Suppression	152 KLD	141.41 KL

**ii. Raw material consumption:**

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the current financial year 21-22	During the current financial year 22-23
IRON ORE	PELLET	834261.07	641646.490
LIME STONE		3563.000	1550.540
DOLOMITE		2941.120	1280.000
COAL		10545.970	3406.620
PET. COKE		25126.150	23149.500

\* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

**PART-C**

**Pollution generated**

**(Parameters as specified in the consent issued)**

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons.
(a) Water	NIL	NIL	
(b) Air	NIL	NIL	

**PART-D**

**HAZARDOUS WASTES**

**(As specified under Hazardous Wastes (Management & Handling Rules, 1989).**

Hazardous Wastes		Total Quantity (Kg)	
		During the previous financial year	During the current financial year
1. From Process	USED OIL	0.700 KL	0.506 KL
	COTTON WASTE	195 KG	262 KG
	BATTERY	NIL	NIL
2. From Pollution Control Facilities	Tar containing waste Rejected filter bags	NIL	NIL



**PART - E**  
**SOLID WASTES:**

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	1600.000 MT	300.000 MT
b. From Pollution Control Facility	12572.000 MT	6000.000 MT
c. Quantity recycled or re- utilised within the unit.	12572.000 MT	6000.000 MT

**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.***

1. All the hazardous waste is being kept inside covered storage shed with display of SOPs and MSDS and maintaining record in Form - 3 for all the hazardous waste generated.
2. SOPs & MSDS displayed near the hazardous waste handling & storage areas.
3. Manifest-TSDF system is being followed as and when require.

**PART-G**

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

**PART - H**

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

1. **Sweep Machine:** One no of Mechanized housekeeping machine used for cleaning of internal roads to keep control on the fugitive dust emission from roads during vehicle movement.
2. **Green Belt Development:** To Plan green belt developed around the plant boundary, with a density of approx. 500 no's/acres. Plantation activity for FY 23-24 is under progress.

***The Environment (Protection) Rules, 1986***

***PART - I***

***Miscellaneous Any other particulates in respect of environment protection and abatement of pollution.***

1. Training to employees for hazardous waste management.
2. Phase-wise greenbelt development work is under implementation to Achieve maximum to maximum area (lying vacant area) under Greenbelt/green cover.
3. Monitoring of test report of Ambient Air quality, Fugitive Emission, Ambient Noise, Stack Emission, Drinking water, Surface water, Waste Water, Water, Ground Water, Waste Material.
4. Celebrating Environmental promotional activities like World Environment Day National Safety Day/Week, etc.
5. Promote the principles of waste prevention, reduction, reuse, recycling & Recovery to minimize waste generation & strengthen the practices for management of wastes through various seminal, Training and awareness programme.
6. Raise environmental awareness at all levels of our operations, through training and effective communication, participation and consultation.

***For Ardent Steel Private Limited***

***Authorized Signatory***

Dr. Subhasish Das  
(Director)

