

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2021-22

Prepared For

M/s. Supra Steel and Power Pvt. Ltd.,

Located At

Sy. No.276, Halakundi Village, Ballari Taluk & District, Karnataka

Prepared by



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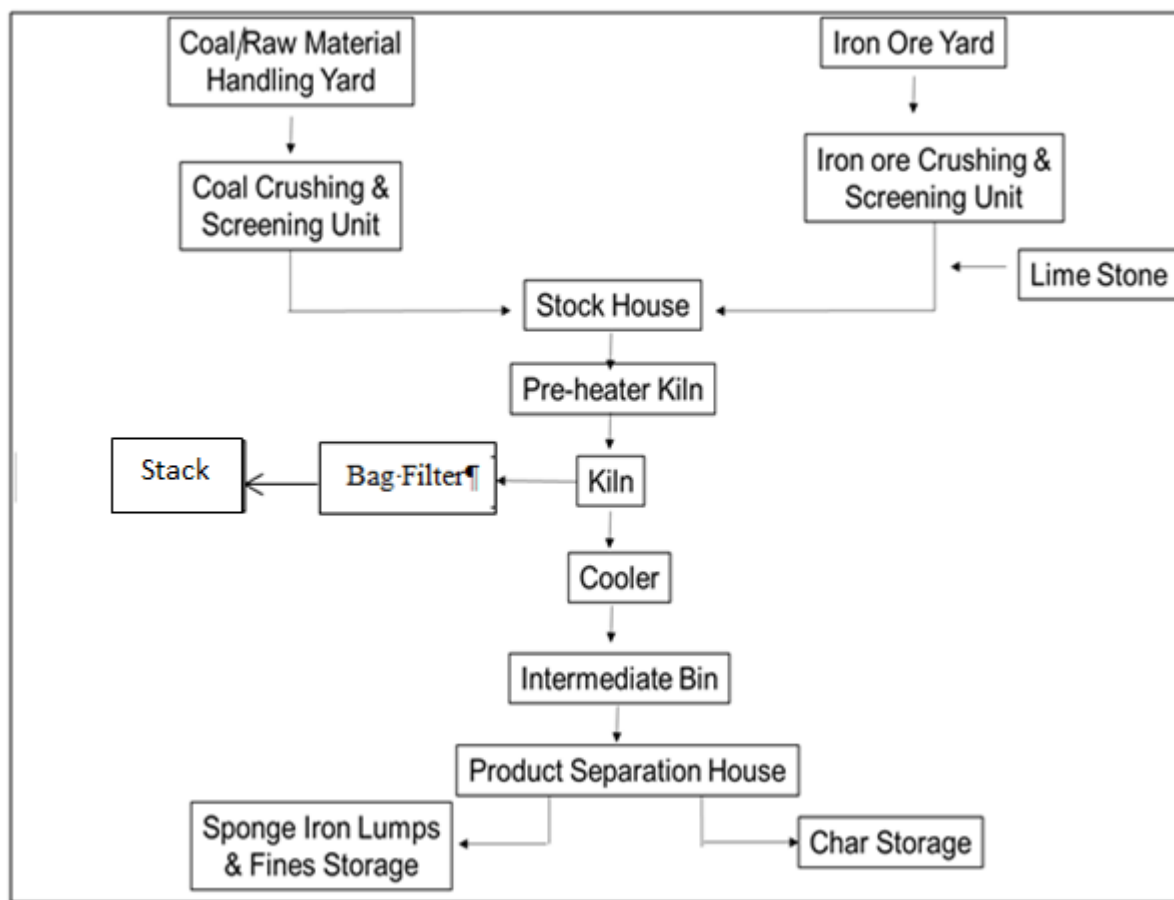
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NABET/EIA/2124/RA 0241

1. Project Details

Process Flow Chart for manufacturing of Sponge Iron Lumps.



2. Environmental Pollution Control in the Industry

2.1 Air Emissions

Air emissions from the process of manufacturing the Sponge Iron is passed through 2 Bag filters are connected to stack height of 50 m to collect the dust and the clean air is released to atmosphere through Chimney.

2.2 Fugitive Dust Generation

Fugitive dust is expected in Raw material handling yard while loading, unloading and stacking and re-claiming operations and product discharge area such as conveyors, transfer points, junction house, screens, magnetic separators, storage silo, truck loading and unloading operations. The dust in Raw material handling yard is controlled by regular water sprinkling and provision of covered product houses and conveyor belts are provided to control the fugitive dust. Further, 2-Bag filter Units is installed to control the fugitive dust generation during the material transfer points such as Iron ore circuit, Coal Handling circuit, Stock House, Cooler Discharge Building and Product Separation Units. The DG sets of capacity 400 KVA and 600 KVA are connected with 10 m stack.

2.3 Water Pollution Control Systems

Water in the plant is used mainly at Rotary Cooler. Water is sprinkled over the Cooler and this water is collected in settling tank below the Cooler and further re-circulated in the process.

Water is required for domestic applications in the industry. The treated water is sourced from Bellary Municipal Authority to meet the process water needs and domestic water is sourced

from Bore well/KUWS&SB. The generated domestic waste water is sent to Septic tank followed by soak pit.

2.4 Solid & Hazardous Waste generation

The generated solid wastes from the industry such as Iron ore fines are re-used in the process and Char consists of unburnt carbon, oxides and gangue which are segregated during the magnetic separation. The char is sold out to power plants. The fine ash / dust is another solid waste generated in the industry which is sold to brick manufacturing industry.

The solid material deposited (Metallic oxides) on the inner surface of Kiln is called Accretion. Periodic maintenance (at least six monthly once) of Kiln is undertaken to remove Kiln accretion. The accretion is a heavy solid lump which can be sent to land fill or used for road construction.

Used Spent oil from D.G sets and Oil-soaked Cotton Waste are some of the Hazardous waste generated in the industry. These are collected in leak proof containers and disposed to KSPCB authorized re-processors / incinerators.

2.5 Green Belt Development

The green belt of 33% to the total project site. It has created healthy environment in and around the project site.

3. Pollution Measures and Conservation of Nature

The part of Environmental statement relates to the audit of impact of pollution abatement measures on the conservation of natural resources and consequently on the cost of production. It is the most important component of Environmental Statement as it seeks to ensure optimal and rational utilization of the natural resources to prevent and abate pollution and reduce the cost of production.

The pollution control measures employed by the company apart from achieving prevention and control of pollution, it has its own environmental policy for conservation of scarce natural resources and significant reduction in the cost of production and reducing the quantity of waste generated, efficient recycling and reuse.

3.1 The Environmental Policy

The company is committed to continual improvement in its Environmental performance through.

- Compliance with legislative requirements
- Prevention of pollution to reduce impact on Air, Water and Soil.
- Conservation of natural resources for sustained development.
- Substitution of chemicals which are not eco-friendly.
- Education, Training and Motivation of personnel to carry out their tasks in an environmentally responsible manner.
- Plantation of trees for ecological balance.
- Regular reviews and audits of the Environmental Management Systems.

ENVIRONMENTAL STATEMENT
FORM-V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR
ENDING WITH 31ST MARCH

PART-A

1.	Name and address of the owner/occupier of the industry operation or process.	Mr. Shashikumar Singh Managing Director M/s. Supra Steel & Power Pvt. Ltd., Vidya Nagar West, Bellary Taluk, Bellary District, Karnataka State
2.	Industry category Primary- (STC Code) Secondary- (STC Code)	Size : Large, Category : Red
3.	Production category - Units.	Sponge Iron 50 TPD and 150TPD
4.	Year of establishment	December 2005
5.	Manpower Requirement	35 Nos
5.	Date of the last environmental statement submitted.	For year 2020 -2021 submitted on 20.11.2021

PART-B

Water and Raw Material Consumption

i. Water consumption (m³/annum)

Water Consumption	During the previous financial year 2020-21	During the current financial year 2021-22
Process	1925 m ³ /annum	1925 m ³ /annum
Domestic	220 m ³ /annum	220 m ³ /annum
Gardening	245 m ³ /annum	245 m ³ /annum
Total	2390m³/annum	2390m³/annum

ii. Raw material consumption

Sl.No.	Name of the Raw Materials	Raw Material Consumption	
		2019-2021	2021-2022
1	Dolomite	2643.00	2643.00
2	Iron	64297.00	64297.00
3	Coal	33352.000	33352.000

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

Pollutants	Quantity of Pollutants discharged (Kg/day)	Concentration of Pollutants discharged (Kg/volume)	Percentage of variation from prescribed standards with reasons.
Water	<ul style="list-style-type: none"> There is no waste water generation from the process water is subjected to recirculation. Cooling water from process is being used for cooling purpose and is subjected to recirculation. Domestic water is treated in the septic tank and soak pit 		
Air	<ul style="list-style-type: none"> The DG sets of capacity 1 x 400 KVA and 1 x 600 KVA are connected with 10 m stack. 2 Bag filters connected stack to collect the dust and the clean air is released to atmosphere through Chimney with sufficient stack height of 50 m is provided. 		

PART-D**Hazardous Wastes**

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

Hazardous Wastes	Total Quantity	
	During the previous financial year 2020-21	During the current financial year 2021-22
From Process	Nil	Used Oil in DG Set - 50 L/A Oil-soaked cotton waste - 5 Kg/A
From Pollution Control Facilities	Nil	Nil

PART-E**SOLID WASTES**

Sl. No.	Name of Solid Wastes	Total Quantity	
		During the previous financial year 2020-21	During the current financial year 2021-22
i.	Process Solid Waste	180 MT per month	-
ii.	Iron Ore fines	--	42 TPD
iii.	Char	--	24 TPD
iv.	Ash	--	18 TPD
v.	Domestic Solid waste	--	13.5 Kgs/day

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.

Solid Wastes

Domestic Solid waste : Domestic solid of 13.5 Kg/day is being handed over to nearest Ballari municipal authority after segregation into organic and inorganic solid wastes.

Iron Ore fines : Iron Ore fines of 42 TPD is being sold to pellet plants for pelletization.

Ash : Ash from process, Bag filter dust is being sold to brick manufacturing industry .

Char : The generated char of 24 TPD is sold out to Power plants

Hazardous Wastes

Used oil from DG sets : The generated hazardous waste is being stored in leak proof barrels and stored separately in an identified place and handed over to KSPCB authorized dealers.

Oil soaked Cotton waste : The generated oil soaked cotton waste will be stored separately and handed over to KSPCB authorized dealers

PART-G

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

- The industry does not have any impact on the environment. The only natural resource consumed is water for domestic purposes only.
- The green belt of 33% to the total project site. It has created healthy environment in and around the project site.

PART-H

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

Environment protection and pollution controls have been the priority for the industry. Any suggestions or improvements made by the Karnataka State pollution control board (KSPCB) will be accepted and implemented as required.

PART-I

MISCELLANEOUS:

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

Constant efforts will be made to adopt the updated technologies in reducing the water consumption and the pollutants generation from the industry to avoid negative impact on the Environment.