F O R M - V

{See Rule – 14 of Environment (Protection) Rules 1986}

ENVIRONMENTAL DATA REPORT FOR THE FINANCIAL YEAR (2018-19) ENDING 31ST MARCH 2019

PART – A

i) Name and address of the Owner/Occupier of the industry:

a) Name of the Owner : Rashtriya Ispat Nigam Limited
Visakhapatnam Steel Plant
VISAKHAPATNAM – 530 031, A.P.

b) Nominated Owner : **Shri Ajit Kumar Saxena,**
Director (Operations)
Visakhapatnam Steel Plant
VISAKHAPATNAM – 530 031, A.P.

c) Operation or process : Operation

ii) Industry Category Primary-(SIC code)
Secondary – (SIC Code) : 1400
Mining & Quarrying of
Nonmetallic Minerals (No Fuels)

iii) Production Category – units : Manganese Ore – 50 TPD

iv) Year of establishment : 01.10.1992
(Date of Opening of Mine)

v) Date of last environmental statement submitted : 19/08/2018

PART – B

Water & Raw Material Consumption:

i) Water Consumption

a) Process : 5 KLD

b) Cooling : Nil

c) Domestic : 0.5 KLD

Name of the Products	Process water consumption per unit of the product	
	During previous financial year (2017-18)	During the current financial year (2018-19)
Manganese Ore	0.12 KLD	0.12 KLD

ii) Raw Material Consumption :

Name of Raw Materials*	Name of Products	Consumption of raw material unit of output	
		During previous financial year (2017-18)	During the current financial year (2018-19)
Not Applicable	Not Applicable	Not Applicable	Not Applicable

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

PART – C

Pollution discharge to environment/unit of output
(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	Seasonal monitoring is being carried out and reports are regularly submitting. All the parameters of samples are within the prescribed limits. Season wise monitoring report submitted copies are enclosed with this form.		
b) Air			

C.a. Effluent analysis data after treatment:
(As per the parameters specified in the water consent order)

Parameter	Standards prescribed in the water consent	Measured peak values during 2018-19	Percentage of variation from prescribed standards with reasons
Domestic effluents	0.5 KLD	0.5 KLD	within the prescribed limits
Industrial effluents	Nil		

C.b. Pollution stacks emission data:
(as per the parameters specified in the Air Consent order):

Parameter	Standards prescribed in the water consent	Average concentration NM3			% Variation from prescribed limits with reasons		
		Stack			Stack		
		I	II	III	I	II	III
Not Applicable							

C.c. Air Quality Data (Ambient Air):

(As per the parameters specified in the Air Consent order)

Consent Order No. 9059-VZN/APPCB/ZOVSP/CFO/2016 dated 26.09.2016 valid up to 31.12.2021

Parameter	Standards prescribed in the Air Consent	Avg. concentration ug/m3 during 2018-19	% variation from prescribed limits with reasons
Particulate Matter (PM10)	100 ug/m3	Seasonal monitoring is being carried out and reports are regularly submitted. All the parameters of samples are within the prescribed limits. Copies of Seasonal monitoring reports are enclosed.	
Particulate Matter (PM2.5)	60 ug/m3		
SO2	80 ug/m3		
NoX	80 ug/m3		

PART – D

Hazardous Wastes:

(As specified under hazardous wastes (Management & Handling) Rules, 1989)

Hazardous Wastes	Total Quantity (Kg)	
	During Previous financial year (2017-18)	During the Current financial year (2018-19)
From Process		
a) Tyres	10 No	5 No
b) Detoxified Containers & container liners of Hazardous waste (Barrels/Drums) i). Oil drums (Lubricant Oil) ii). Grease containers.	 4 No 01 No	 7 No 01 No
c) Used Led Acid Batteries	05 No	10 No
d) Waste/Used Mineral oil synthetic oil	Nil	Nil
e) Non Ferrous Metal scrap	Nil	Nil
From Pollution Control facilities	-	-

PART – E

Solid Wastes:

Solid Wastes	Total Quantity (Kg)	
	During previous financial year (2017-18)	During the current financial year (2018-19)
a. From Process	Nil	Nil
b. From Pollution Control facilities		
c. Quantity recycled or reutilized within the unit		

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:

Disposal Practices:

- Dust suppression measure is carried out by providing sprinklers and rain guns on haul roads.

PART – G

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

Pollution Control Measures:

- No drilling and blasting operations are carried out.
- Dust suppression is carried out by providing sprinklers and rain guns on haul roads.
- Cumulative 4,400 saplings are planted within mining lease till the end of financial year. The survival rate is 90%.

PART – H

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

- N.A.

PART – I

Miscellaneous:

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

- Garland drains are constructed near the mine boundary on Northeastern and on eastern side of the tenement. The drains avoid flow of silt from overburden dumps.

19/02/19

(Mohammad Nimar)
Manager (Mines)
MOHAMMAD NIMAR
MANAGER (MINES)
FINL/VSP/GARBHAM Manganese Mine