



राष्ट्रीय इस्पात निगम लिमिटेड

(भारत सरकार का उपक्रम)

Rashtriya Ispat Nigam Limited

(A Government of India Undertaking)

CIN : U27109AP1982GOI003404



Ref. No: VSP/GMM/6-55/2020/

Date: 11.06.2020

(1) Ministry of Environment, Forest and
Climate Change

Govt. of India,
Indira Paryavaran Bhavan,
Jorbagh Road,
New Delhi - 110 003
INDIA

(2) Shri Sundar Ramanathan

Joint Director
Ministry of Environment, Forest and Climate Change,
Government of India, Regional Office (SE Zone),
1st & 2nd floor, HEPC Building
No. - 34, Cathedral Garden Road,
Nungambakkam, Chennai-600 034.

(3) Member Secretary,

A.P. Pollution Control Board,
Pushpa Hotel Centre,
Behind Sunrise Hospital
Kasturibaipet,
Vijayawada - 520 010

(4) The Environmental Engineer

A.P. Pollution Control Board,
Regional Office, Plot No.41,
Sri Kanakdurga Officers Colony,
Vijayawada-520 008

Dear Sir,

Subject: Submission of Form - V report on Environmental Statement of Garbham Manganese Mines of RINL/VSP - Reg.


Reference: 1) General Condition.xvi of Environmental Clearance
2) Schedule - A, Condition.6 of Consent for Operation

Enclosed please find the copy of Form- V report on Environmental Statement for the year 2019-20 in all respects of Garbham Manganese Mines of M/s Rashtriya Ispat Nigam Limited, Visakhapatnam Steel Plant, Merakamudidam Mandal, Vizianagaram District, and Andhra Pradesh.

This is for your kind perusal and record please.

Thanking you,

Yours faithfully,
For RINL / Visakhapatnam Steel Plant


Mohammad Nimar
Sr. Manager(Mines)

Encl: As above.



GARBHAM MANGANESE MINE

GARBHAM - 535 102, Vizianagaram Dist

Email : garbhammines@gmail.com, Cell No. 9866136955

हिंदी के प्रयोग का स्वागत है, पत्र का उत्तर शीघ्र दिया जाएगा।

क्षेत्रीय कार्यालय :- गर्भम मैंगनीज खदान, गर्भम, आर आई एन एल/ वी एस पी, विजियानगरम, आंध्रप्रदेश- 535 102

FORM - V

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

ENVIRONMENTAL DATA REPORT FOR THE FINANCIAL YEAR (2019-20 ENDING 31ST MARCH 2020)

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 A K 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

: 19/08/2019

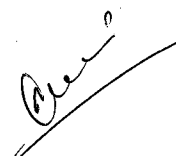
PART – B

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 (2018-19)	During the current financial year (2019-20)
Manganese Ore	0.12 KLD	0.10 KLD



ii) Raw Material Consumption

Name of Raw Materials*	Name of Products	Consumption of raw material unit of output	
		During previous financial year (2018-19)	During the current financial year (2019-20)
Manganese Ore	Manganese Ore	4564.423 Tones	3774.496 Tones

* 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	0.4 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 submitting. All the parameters of samples are within the prescribed limits. Season wise monitoring reports submitted copies 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 (2018-19)	During the Current financial year (2019-20)
From Process		
a) Tyres	5 No's	8 No's
b) Detoxified Containers & container liners of Hazardous waste (Barrels/Drums)		
i). Oil drums (Lubricant Oil)	7 No's	8 No's
ii). Grease containers.	01 No's	01 No's
c) Used Led Acid Batteries	10 No's	07 No's
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 (2018-19)	During the current financial year (2019-20)
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 carrying out by placing sprinkler on haul road.

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 operation carried out.
- Dust suppression measure is carrying out by placing sprinkler on haul road
- 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 across the mine boundary to discharge water drain which facilitates the suspended matter to settle:

Nimar
11/06/2022

(Mohammad Nimar)

Sr. Manager (Mines)

MOHAMMAD NIMAR

Sr. MANAGER (MINES)

RINL/VS.P/GARBHAM Manganese Mine.