



Ref: BAL/Plant/ 5146

Date: 27/09/2018

To,

The Member Secretary
State Pollution Control Board, Odisha
A/118, Nilakanthanagar
Unit-VIII, Bhubaneswar-751 012 (Odisha)

Sub: Submission of Annual Environmental Statement Report- 2017-18.

Sir,

We are herewith submitting the Annual Environmental Statement Report (in FORM-V) in respect of BALASORE ALLOYS LIMITED, BALGOPALPUR, BALASORE for the period October, 2017 to March, 2018.

Kindly receive & acknowledge the same.

Thanking you.

Yours truly,

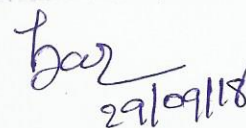
For **BALASORE ALLOYS LIMITED**


Authorized Signatory

Encl: Environmental Statement Report

CC: Regional Officer, Orissa Pollution Control Board, Sahadevkhunta, BLS.







Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.

FORM – V

(See rule 14)

Environmental Statement for the financial year ending with 31st March' 18

PART – A

- i. Name and address of the owner/occupier of the industry/operation/process :

Mr. D.K. Nath, Director (Operations)

Balgopalpur Industrial Estate

Balgopalpur, PO: Rasalpur

Dist: Balasore - 756020

Odisha

dhiren.nath@balasorealloys.com

- ii. Industry category : Primary - Large
Secondary – Red A
- iii. Production category : High carbon ferro chrome (FeCr)
- iv. Year of establishment : 1985
- v. Date of the last Environmental Statement submitted: 27.09.2017

PART – B

Water and Raw Material Consumption:

- i. Water consumption in m³/day

Consumption Head	Consumption rate (m ³ /day) (at full production capacity)
Process	37
Cooling	655
Domestic	110

For Balasore Alloys Ltd.

Dr. Swarup Panda

Sr. Vice President-Corporate Affairs

* Constituted Attorney



Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.

Name of Products	Process water consumption per unit of products	
	During the current financial year(2016-17)	During the current financial year(2017-18)
High Carbon Ferro chrome	2.28 KL/Ton	2.07 KL/Ton

ii. Raw material consumption:

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the current financial year(2016-17)	During the current financial year(2017-18)
Reductant	Chrome ore briquette & High Carbon Ferro chrome	0.55 - 0.60	0.590
Quartz		0.25 - 0.30	0.325
Dolomite		0.15 - 0.20	0.225
Electrode Paste		0.015 - 0.020	0.018
Chrome Ore		2.30 - 2.50	2.500
Hydrated Lime (Briquette making)		0.018-0.022	0.018-0.022
Molasses (Briquette making)		0.048-0.058	0.048-0.058
Furnace Oil (Drying of ore)		0.006-0.010 (KL)	0.006-0.010 (KL)

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

For Balasore Alloys Ltd.

Dr. Swarup Panda
Sr. Vice President-Corporate Affairs
Constitutee Attorney



Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.
PART – C

Pollution discharged to environment/unit of output:

(Parameter 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
<u>Water</u>	Zero Discharge	Zero Discharge	NA

Air

Stack Emission monitoring

Pollutants	Quantity of Pollutants discharged (mass/day) Kg/Day	Concentration of Pollutants discharged (mass/volume) mg/Nm ³	Percentage of variation from prescribed standards with reasons
<u>Air</u>			
F-1	125.8	59.3	-40.7%
F-2	126.3	59.5	-40.5%
F-3	129.0	60.8	-39.2%
F-4	130.9	61.7	-38.3%
F-5	133.3	62.8	-37.2%

For Balasore Alloys Ltd

Dr. Swarup Panda
 Sr. Vice President-Corporate Affairs
 & Constituted Attorney



Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.

Stack of Briquette Plant

Pollutants	Quantity of Pollutants discharged (mass/day) Kg/Day	Concentration of Pollutants discharged (mass/volume) mg/Nm ³	Percentage of variation from prescribed standards with reasons
<u>Air</u>			
F-1	130.9	61.7	-38.3%
F-2	131.1	61.8	-38.2%
F-3	132.2	62.3	-37.7%
F-4	126.5	59.6	-40.2%

Ambient Air Quality Monitoring

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume) mg/CuM	Percentage of variation from prescribed standards with reasons
<u>Air</u>			
PM ₁₀	...	61.80	-38.20%
PM _{2.5}	...	24.80	-58.66%
SO ₂	...	08.40	-89.50%
NO ₂	...	12.70	-84.12%

M/s Balasore Alloys Ltd.

Dr. Swarup Panda
Sr. Vice President-Corporate Affairs
& Constituted Attorney



Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.
PART – D

HARZARDOUS WASTES:

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

Hazardous Wastes	Total Quantity	
	During the current financial year(2016-17)	During the current financial year(2017-18)
From Process		
i. Used oil	6.60 KL	7.8 KL
From Pollution Control		
Flue Dust from GCP	1390.56 Metric Ton	1418.37 Metric Ton

PART – E

SOLID WASTES:

Solid Wastes	Total Quantity	
	During the current financial year(2016-17)	During the current financial year(2017-18)
From Process		
i. Slag Tailing	159628.96 MT	160135.0 MT
From Pollution Control Facility	Nil	Nil
Quantity recycled or reutilized within the unit	100%	100%

For Balasore Alloys Ltd

Dr. Swarup Panda
Sr. Vice President-Corporate Affairs
& Constituted Attorney



Environment Statement For the Year 2017-18
M/s Balasore Alloys Ltd.

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 ultimate solid waste generated in the form of slag tailings and fines from Metal Recovery Plant is utilized in roads lining, boundary wall and other construction purposes & filling up of low lying areas respectively. Balance is dumped within the company's premises.

PART – G

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

GAS CLEANING PLANTS are installed for each furnace & Dryer as a measure of pollution control. This reduces the PM levels in & around the factory premises. The dust collected from GCP attached with furnaces. The utilization of this dust in the furnace in form of briquette, which reduces the raw material cost.

The water used for cooling is recycled & spillage water is collected in the settling tank and STP outlet treated water utilized at own Horticultural garden as well as dust suppression & cake cooling.

PART – H/PART-I

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

The industry has been granted consent order for the period up to 31.03.2021. Tree plantation is going on in & around the factory premises.

30.985 MT Plastic Waste has been dispatched to M/s. Ambuja Cement, Bhatapara for co-processing.

For Balasore Alloys Ltd.

Dr. Swarup Panda
Sr. Vice President-Corporate Affairs
& Constituted Attorney