



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2017

Company Information

Company Name	Application UAN number		
AMBA RIVER COKE LIMITED (COKE OVEN PLANT)	NA		
Address			
Geetapuram			
Plot no	Taluka	Village	
COKE ONE PLANT	PEN	DOLVI	
Capital Investment (In lakhs)	Scale	City	
78300	Large	Raigad	
Pincode	Person Name	Designation	
402107	Mallineni Sukumar	General Manager	
Telephone Number	Fax Number	Email	
2143-277501	2143-277542	ponniah.benjamin@jsw.in	
Region	Industry Category	Industry Type	
SRO-Raigad II	Red	R19 Coke making , liquefaction, coal tar distillation or fuel gas making	
Last Environmental statement submitted online	Consent Number	Consent Issue Date	
yes	Format No-1/BO/CAC-Cell/EIC No-RD-3105-15/CAC-2736	24/02/2016	
Consent Valid Upto			
31/05/2017			

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Coke	1000000	996823	MT/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
TAR	47000	33155	Ton/Y
Coke Oven Gas (Only By Recovery Oven Technology)	456687	452426	Qnt/Y

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	4320	4300.00
Domestic	1920	1083.50
All others	150	150
Total	NA	NA
	6390	5533.5

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	2160	1728	CMD
Domestic Effluent	120	105	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Coke (M3/Unit of product)	2.0085	1.971	Qnt/Y

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Hard Coking Coal	0.439	0.968	MT/A
Mozambicque Coal	0.227	0.0282	MT/A
Semi hard Coal	0.467	0.2048	MT/A
PCI coal	0.00052	0.0222	MT/A
Lake vermt coal gross	0.251	0.0177	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Coke Oven Gas (M3/Hr)	62000	19669.40	Qnt/Y
BF Gas (NM3/Hr)	120000	52824.80	Qnt/Y
Natural Gas (NM3/Hr)	2500	Nil	Qnt/Y

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
NA	NA	NA	NA	NA	NA

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day) Quantity	Concentration of Pollutants discharged(Mg/NM3) Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
Coke Oven Battery 1 & 2	287.14	21.17	57.66	50	NA
Ground Dedusting system	60.17	15.71	61.70	25	NA
Boiler Stack	18.74	9.57	80.85	50	NA

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	9000	5000	Ltr/A
34.3 Chemical sludge from waste water treatment	93.71	213.96	Ton/Y

35.2 Spent catalyst*	Nil	Nil	Ton/Y
13.4 Decanter tank tar sludge	Nil	75.08	Ton/Y
5.2 Wastes/residue containing oil	100	Nil	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	Ton/Y

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coke Breeze	10229	9268.5	Ton/Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Coke & coal dust	766.62	542.4	Ton/Y

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	10995.62	9810.9	Ton/Y

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) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used /spent oil	5000	Ltr/A	Sent to MPCB authorized Recycler ie M/s. Meher Petro Chem Pvt. Ltd KPD Industrial Estate, Plot No - 17 , Village - Hemrapur , Taluka - Wada , Dist - Thane - 421 303
34.3 Chemical sludge from waste water treatment	213.96	Ton/Y	Send to M/s. Mumbai Waste Management Ltd., Panvel, District - Raigad, - 410208 Maharashtra
13.4 Decanter tank tar sludge	75.08	Ton/Y	100 % Recycled in Process

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Coke Breeze and Coke & coal dust	9810.9	Ton/Y	This has been recycled in coke making & coal blended process.

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
NA	NA	NA	NA	NA	78300	NA

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.
[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Enhancing the End flue vertical temperature	Improvement in stack emission quality	130

[B] Investment Proposed for next Year

<i>Detail of measures for Environmental Protection</i>	<i>Environmental Protection Measures</i>	<i>Capital Investment (Lacks)</i>
NA	NA	NA

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

Particulars

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 200564 Nos. big trees and 493781 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

Name & Designation

Mallineni.Sukumar , General Manager