

**FORM V**  
(See Rule 14)

Environmental Audit Report for the financial year  
ending the 31<sup>st</sup> March 2020

**PART--A**

- (i) Name and address of the owner / occupier of the industry, operation or process. Mr. Sudhanya Sen, Plant Manager,  
Nalco Water India Limited,  
1 Lenin Sarani,  
P.O. – Konnagar , Hooghly, WB.  
PIN 712 235.
- (ii) Industry Category Primary: Chemical Secondary: Special Red
- (iii) Production Capacity 11,000 MT/year
- (iv) Year of establishment 1990
- (ii) Date of the last environmental audit report submitted : 02.04.2019

**PART--B**

**Water and Raw Material Consumption**

- (i) Water consumption M<sup>3</sup>/day :
- |          |                          |
|----------|--------------------------|
| Process  | 17 M <sup>3</sup> / day. |
| Cooling  | 21 M <sup>3</sup> / day. |
| Domestic | 3 M <sup>3</sup> / day.  |

Name of Products	Process Water consumption per unit of Products output	
	During the previous financial year	During the current financial year
(1) Water Treatment Chemicals		
(2) Industrial Additives	1.80 M <sup>3</sup> / MT	1.72 M <sup>3</sup> / MT
(3) Oilfield Chemicals		

(based on total water consumption)

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(ii) Raw Material consumption

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Name of Raw materials	Name of products	Consumption of raw material per unit	
		during the previous financial year	during the current financial year
Inorganic & Organic :	Water Treatment Chemicals	281 kg/MT	279 kg/MT
	Industrial Additives	517 kg/MT	518 kg/MT
	Oilfield Chemicals	842 kg/MT	844 kg/MT

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**PART--C**

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**Pollution discharged to environment/unit of output**

(Parameter as specified in the consent issued)

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(i) Pollution	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	3 m <sup>3</sup> /day	10 mg/lit	Not Applicable

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(b) Air

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**PART--D**  
**Hazardous Wastes**

[As specified under Hazardous Wastes (Management and Handling) Rules, 1989]

Hazardous Wastes	Total Quantity (kg)	
	During the previous financial year	during the current financial year
(a) From process	68.8 MT	37.82 MT
(b) From pollution Control Facilities	4.2 MT	5.52 MT

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**PART--E**

**Solid Wastes**

	Total Quantity	
	during the previous financial year	during the current financial year
(a) From process		
(b) From pollution control facility		
(c ) (1) Quantity recycled or re-utilized within the unit		
(2) Sold		
(3) Disposed		

### **PART--F**

Please specify the characteristics (In term of composition of quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

-Category # 34.3 – ETP sludge – collected over sand bed of capacity 5M x 5M, 2 numbers (own generation)

-Category # 5.1 – Used/Spent oil – collected & stored in 200L MS drum (own generation)

- Category # 34.3 -- General Polymeric Waste – Vessel rinse water during decontamination – Stored in 1 Ton HDPE tote.

-Category # 33.3 – Disposal of barrels/containers – Collected and stored in our Scrap Yard after decontamination for necessary disposal through approved vendor.

All of the above mentioned wastes are send to West Bengal Waste Management Limited (RAMKY) by their approved Hazardous Waste carrying transporters.

### **PART--G**

Impact of pollution abatement measures taken on conservation of material resources and on the cost of production.

NOT APPLICABLE

### **PART--H**

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

Successful commissioning of 1010 KVA DG set to protect environment by mitigating process safety risk related to runaway of the exothermic reaction process.

### **PART--I**

Any other particulars for improving the quality of the environment.

- Environmental Impact Assessment of our manufacturing facility conducted by a MOEF approved third party professional vendor.
- 100% recycle of ETP treated water into non-critical plant operations
- Online monitoring system of ETP outlet parameters.