Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

## Environmental Audit Report for the financial Year ending the 31st March 2019

***Unique Application Number***
MPCB-ENVIRONMENT_STATEMENT-0000017822

***Submitted Date***
05-09-2019

### *Company Information*

***Company Name***
Chemco Innovative Chemie Pvt. Ltd.

***Application UAN number***
0000011690

***Address***
MIDC Tarapur, Boisar

***Plot no***
T - 24, 25, 26, 27, 39

***Taluka***
Palghar

***Village***
Boisar, Tarapur

***Capital Investment (In lakhs)***
472 Lakhs

***Scale***
SSI

***City***
Boisar, Tarapur

***Pincode***
401506

***Person Name***
Mr. Samir Gajendra Mody

***Designation***
Director

***Telephone Number***
7030964136

***Fax Number***
NA

***Email***
cicplfactory@gmail.com

***Region***
SRO-Tarapur I

***Industry Category***
Red

***Industry Type***
R22 Organic Chemicals manufacturing

***Last Environmental statement submitted online***
yes

***Consent Number***
BO/AST/UAN No.0000054646/0/CC-4143

***Consent Issue Date***
06.11.2018

***Consent Valid Upto***
30.06.2022

### *Product Information*

| *Product Name* | *Consent Quantity* | *Actual Quantity* | *UOM* |
|---|---|---|---|
| 3,5 Dinitrobenzoic acid | 396.0 | 294.339 | MT/A |
| Meta Nitrobenzoic Acid | 396.0 | 0.48 | MT/A |
| Meta Nitro Benzoic Acid ( Sodium Salt) | 396.0 | 0.0 | MT/A |
| 3,5 Dinitro Salycyclic Acid | 396.0 | 0.51 | MT/A |
| Mucic Acid | 396.0 | 0.0 | MT/A |
| Michler's Hydrol | 396.0 | 0.0 | MT/A |
| 2- Thiobarbituric Acid | 396.0 | 99.368 | MT/A |
| 3,5 Dinitro Aniline | 396.0 | 0.0 | MT/A |
| Meta Amino Benzoic acid | 396.0 | 0.0 | MT/A |
| Lead Sulphate | 396.0 | 0.0 | MT/A |
| 2,3 Dimethylbromobenzene (BR- Xylidine) | 864.0 | 0.0 | MT/A |
| 4- Chloronitrobenzene (in 55% DMF Solution) | 864.0 | 0.0 | MT/A |
| Ethyl- N-(4- Nitro Phenyloxy)- Acetimidate | 864.0 | 0.0 | MT/A |
| O-(4- Nitrophenyl)- Hyoxylamine | 864.0 | 0.0 | MT/A |

| | | | |
|---|---|---|---|
| 5,5 Azobis (2, 4, 6 Pyrimidinetriol) OR (A B Acid) and other Dyes Intermediates | 864.0 | 0.0 | MT/A |
| 3, 5 Diamino Benozic Acid | 864.0 | 0.0 | MT/A |
| 5- Nitro Isophthalic Acid | 864.0 | 0.0 | MT/A |
| 4,4 Methyienebis (N,N- Dimethylaniline) | 864.0 | 0.0 | MT/A |
| 2, 4, 6, 8 Tetra Hydroxy Pyrimido [5, 4 -d] Ptrimidine | 864.0 | 0.0 | MT/A |
| Nitro Orotic Acid | 864.0 | 0.0 | MT/A |
| 2- Thiobarbituric Acid (Sodiu Salt) | 864.0 | 0.0 | MT/A |
| Ethyl N-Hdroxyacetimidate | 864.0 | 0.0 | MT/A |
| Spent Acid (By Product) | 2160.0 | 1050.4 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NA | 0.0 | 0.0 | MT/A |

### *1) Water Consumption in m3/day*

| ***Water Consumption for*** | ***Consent Quantity in m3/day*** | ***Actual Quantity in m3/day*** |
|---|---|---|
| ***Process*** | 45.0 | 22.9 |
| ***Cooling*** | 10.0 | 4.8 |
| ***Domestic*** | 10.0 | 4.8 |
| ***All others*** | 10.0 | 4.8 |
| ***Total*** | 75.0 | 37.3 |

### *1) Effluent Generation in CMD / MLD*

| ***Particulars*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| Trade effluent | 35.0 | 21.0 | CMD |
| Domestic Effluent | 8.0 | 2.8 | 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*** |
|---|---|---|---|
| 3,5 Dinitrobenzoic acid | 0.0 | 24.27 | CMD |
| Meta Nitrobenzoic Acid | 0.0 | 14.88 | CMD |
| 3,5 Dinitro Salycyclic Acid | 0.0 | 14.00 | CMD |
| 2- Thiobarbituric Acid | 0.0 | 17.9 | CMD |
| Spent Acid (By Product) | 13.72 | 6.80 | CMD |

### *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*** |
|---|---|---|---|
| Acetic Acid | 126.0 | 1260.0 | Kg/Annum |
| Benzoic Acid | 169600.0 | 243574.0 | Kg/Annum |
| Casutic Soda Flakes | 245150.0 | 207650 | Kg/Annum |
| Concentrated Nitric Acid 60% | 344600.0 | 992.0 | Kg/Annum |
| Concentrated Nitric Acid 98% | 0.0 | 426090.0 | Kg/Annum |

| | | | |
|---|---|---|---|
| Hydrated Lime (A Grade) | 186300.0 | 238740.0 | Kg/Annum |
| Lactose Monohydrate | 800.0 | 0.0 | Kg/Annum |
| Oleum 23.25% | 464900.0 | 593200.0 | Kg/Annum |
| Soda Ash | 1000.0 | 0.0 | Kg/Annum |
| Sodium Bicarbonate | 385000.0 | 36645.0 | Kg/Annum |
| Sulphuric Acid | 1269300.0 | 1595200.0 | Kg/Annum |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Briquettes/FO/Biomass/Gas | 624.0 | 157.50 | KL/A |

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

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| pH | 0.0 | 7.43 | NA | 5.5 to 9.0 | NA |
| TDS | 0.0 | 1874.0 | NA | < 2100 mg/L | NA |
| TSS | 0.0 | 52.0 | NA | < 100 mg/lL | NA |
| BOD | 0.0 | 73.0 | NA | < 100 mg/l | NA |
| COD | 0.0 | 215.0 | NA | < 250 mg/l | NA |
| Oil & Grease | 0.0 | BDL | NA | < 10 mg/l | NA |
| Chloride | 0.0 | 19.0 | NA | < 600 mg/l | NA |
| Sulphate | 0.0 | 14.0 | NA | < 1000 mg/l | NA |
| Total Ammonical Nitrogen | 0.0 | 3.0 | NA | < 5 mg/l | NA |
| Lead | 0.0 | BDL | NA | < 0.1 mg/l | NA |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Suspended Particulate Matter (Caustic Scrubber S 2) | 0.0 | BDL | NA | < 150 mg/Nm3 | NA |
| Sulphur Dioxide | 3.24 | 83.38 | NA | ------ | NA |
| Oxides of Nitrogen | 0.0 | BDL | NA | ------ | NA |
| Acid Mist | 0.19 | 5.1 | NA | < 35 mg/Nm3 | NA |
| Suspended Particulate Matter (Boiler No. 2 400 Kg/Hr) | 2.87 | 73.68 | NA | < 150 mg/Nm3 | NA |
| Sulphur Dioxide | 2.13 | 54.61 | NA | < 20 Kg/Day | NA |
| Oxides of Nitrogen | 0.0 | BDL | NA | ---- | NA |
| Suspended Particulate Matter (Caustic Scrubber S 1) | 0.0 | BDL | NA | < 150 mg/Nm3 | NA |
| Sulphur Dioxide | 1.76 | 45.87 | NA | ---- | NA |

| | | | | | |
|---|---|---|---|---|---|
| Oxides of Nitrogen | 0.0 | BDL | NA | ----- | NA |
| Acid Mist | 0.131 | 3.42 | NA | < 35 mg/Nm3 | NA |
| Suspended Particulate Matter ( Scrubber T 39) | 2.06 | 52.20 | NA | < 150 mg/Nm3 | NA |
| Sulphur Dioxide | 2.19 | 55.23 | NA | ----- | NA |
| Oxides of Nitrogen | 0.0 | BDL | NA | ----- | NA |
| Acid Mist | 0.12 | 3.12 | NA | < 35 mg/Nm3 | NA |
| Suspended Particulate Matter ( D. G. Set 200 KVA) | 1.99 | 59.41 | NA | ----- | NA |
| Sulphur Dioxide | 1.63 | 48.56 | NA | < 2 Kg/day | NA |
| Oxides of Nitrogen | 0.0 | BDL | NA | ----- | NA |
| Suspended Particulate Matter ( Boiler 600 kg/hr) | 2.23 | 62.22 | NA | < 150 mg/Nm3 | NA |
| Sulphur Dioxide | 4.83 | 134.49 | NA | < 20 mg/day | NA |
| Oxides of Nitrogen | 0.11 | 3.10 | NA | ----- | NA |

## HAZARDOUS WASTES

### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0.0 | 0.0 | MT/A |

### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 529.14 | 757.194 | MT/A |
| Other Hazardous Waste | 0.044 | 0.042 | MT/A |
| 37.3 Concentration or evaporation residues | 0.0 | 0.0 | MT/A |
| 5.1 Used or spent oil | 0.0 | 0.0 | MT/A |
| 28.1 Process Residue and wastes | 0.0 | 0.0 | MT/A |
| 33.1 Empty barrels/containers/liners contaminated with hazardous chemicals /wastes | 0.0 | 0.0 | Nos./Y |

## SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | 0.0 | 0.0 | MT/A |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | 0.0 | 0.0 | MT/A |

### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0.0 | 0.0 | MT/A |

**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 |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 757.194 | MT/A | Solid |
| Other Hazardous Waste | 0.042 | MT/A | Solid |

### 2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| NA | 0.0 | MT/A | NA |

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### 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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### 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) |
|---|---|---|
| Fire Extinguishers Installed In Factory Premises | AB Foam Type 15 Nos. | 0.0 |
| Fire Extinguishers Installed In Factory Premises | AB Dry Powder Type 16 Nos. | 0.0 |
| Effluent Treatment Plant Provided | To Treat the effluent from factory | 0.0 |
| Boiler Stack Chimney attached | From Control air Pollution control in factory premises | 0.0 |

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### [B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| NA | NA | 0.0 |

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

### Particulars

NILL

### Name & Designation

Mr. Samir Gajendra Mody ( Director )