



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000028267

Submitted Date

28-09-2020

PART A

Company Information

Company Name

M) Sahkari Sakhar Karkhana
Ltd. (Sugar Factory))

Application UAN number

00000027013

Address

At - Sonai, Tal -Newasa,

Plot no

Gut No - 852 & 864

Taluka

Newasa

Village

Sonai

Capital Investment (In lakhs)

1598.21

Scale

LSI

City

Newasa

Pincode

414105

Person Name

Mr. S. S. Belhekar

Designation

Managing Director

Telephone Number

02407231306

Fax Number

02423231307

Email

mulassk@yahoo.co.in

Region

SRO-Ahmednagar

Industry Category

Red

Industry Type

R12 Sugar (excluding
Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format 1.0/CAC-CELL/UAN NO-.MPCB-
CONSENT-0000027013&0000073191/CR-1910000936

Consent Issue Date

14/10/2019

Consent Valid Upto

30/07/2022

Establishment Year

Date of last environment statement submitted

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name

Sugar

Consent Quantity

108600

Actual Quantity

246368

UOM

MT/A

Electricity

30

9.18

Mwh

By-product Information

By Product Name

Consent Quantity

Actual Quantity

UOM

| | | | |
|-----------|-------|-------|------|
| Bagasse | 29700 | 76155 | MT/A |
| Press mud | 39600 | 8177 | MT/A |
| Molasses | 39600 | 8359 | MT/A |

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

| Water Consumption for Process | Consent Quantity in m3/day | Actual Quantity in m3/day | |
|-------------------------------|----------------------------|---------------------------|--|
| Cooling | 604 | 302 | |
| Domestic | 96 | 66 | |
| All others | 45 | 35 | |
| Total | 00 | 00 | |
| | 745 | 403 | |

2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|-------------------|------------------|-----------------|-----|
| Trade Effluent | 550 | 287 | CMD |
| Domestic effluent | 40 | 30 | CMD |
| Cooling Effluent | 00 | 43 | 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 |
|-------------------------------|------------------------------------|-----------------------------------|-----|
| Sugar | 0.71 | 0.90 | CMD |
| Electricity | 0.41 | 0.38 | 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 |
|-------------------------|------------------------------------|-----------------------------------|---------|
| Sugarcane | 9.01 | 10.15 | Ton/Ton |
| Lime | 0.019 | 0.02 | Ton/Ton |
| Sulphur | 0.005 | 0.008 | Ton/Ton |
| Phosphoric Acid | 0.0049 | 0.0045 | Ton/Ton |
| Lubricants | 0.0052 | 0.0038 | Ton/Ton |
| Bagasse for cogen plant | 3.18 | 3.60 | Ton/Ton |

4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|-----------|------------------|-----------------|------|
| Bagasse | 345600 | 70416 | MT/A |

Part-C

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

| 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 | Standard Reason |
|-------------------|--|---|--|-----------------|
| | Quantity | Concentration | %variation | |

| | | | | | |
|-----|--------|-----|----|-----|----|
| BOD | 23.534 | 82 | 00 | 100 | 00 |
| COD | 57.68 | 201 | 00 | 250 | 00 |
| TSS | 21.81 | 76 | 00 | 100 | 00 |

[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 | Standard | Reason |
|--------------------------|---|---|---|-----------------|---------------|
| | Quantity | Concentration | %variation | | |
| SPM | 511 | 61 | 00 | 00 | 00 |

Part-D

HAZARDOUS WASTES

1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|-----------------------------|---|--|------------|
| 5.1 Used or spent oil | 1.105 | 0.700 | MT/A |

2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|-----------------------------|---|--|------------|
| 0 | 1.320 | 0.632 | MT/A |

Part-E

SOLID WASTES

1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---------------------------------|---|--|------------|
| Molasss | 39680 | 8359 | MT/A |
| Press Mud | 42171 | 8177 | MT/A |
| Bagasses | 312954 | 76155 | MT/A |

2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|-----------------------------|---|--|------------|
| Boiler ash/fly ash | 5468 | 1142 | MT/A |
| ETP Sludge | 79 | 48 | 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 | 00 | 00 | MT/A |

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.

1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|--|-------------------------------|------------|---|
| 5.1 Used or spent oil | 1.332 | MT/A | Burnt in own boiler |

2) Solid Waste

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|--------------------------------------|---------------------------|------------|-------------------------------------|
|--------------------------------------|---------------------------|------------|-------------------------------------|

| | | | |
|---------------------|------|------|--|
| Press mud | 8177 | MT/A | Bio-Composting. |
| Boiler ash/ Fly ash | 1142 | MT/A | Partly sold for brick manufacturing & balanced bio-Composting. |
| ETP Sludge | 48 | MT/A | Bio-Composting. |

Part-G

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) |
|-------------------|---|--|--------------------------------|--------------------------------------|-----------------------------|-----------------------------------|
| ETP | 00 | 00 | 00 | 00 | 307.72 | 00 |
| ESP | 00 | 00 | 00 | 00 | 100 | 00 |
| Recycle and reuse | 61 | 0.10 | 15-20 | 22 -25 | 20.20 | 3.90 PA |

Part-H

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) |
|---|------------------------------------|----------------------------|
| Waste water Treatment | ETP | NA |
| Air emission control | ESP | NA |
| Recycle & reuse | Mini cooling tower& Piping network | NA |

[B] Investment Proposed for next Year

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|-----------------------------------|----------------------------|
| Tree plantation | Tree plantation | 2.62 |

Part-I

Any other particulars for improving the quality of the environment.

Particulars

NA

Name & Designation

Mr. S. S. Belhekar (Managing Director)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000028267

Submitted On:

28-09-2020