



# Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

## FORM V

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

### Unique Application Number

MPCB-ENVIRONMENT\_STATEMENT-0000023708

### Submitted Date

31-05-2020

### Company Information

#### Company Name

Nira Bhima Sahakari Sakhar Karkhana Limited

#### Application UAN number

0000016414 (FY-2018-19)

#### Address

At.: Shahajinagar, PO: Redni, Tal.: Indapur,  
Dist.: Pune

#### Plot no

340,341,344,345,346,347,348

#### Taluka

Indapur

#### Village

At.: Shahajinagar, PO: Redni

#### Capital Investment (In lakhs)

22134.65

#### Scale

L.S.I.

#### City

Indapur

#### Pincode

413114

#### Person Name

S. G. Genge

#### Designation

I/C Managing Director

#### Telephone Number

9960165577

#### Fax Number

02111 270555

#### Email

nirabhima@gmail.com

#### Region

SRO-Pune I

#### Industry Category

Red

#### Industry Type

R12 Sugar ( excluding  
Khandsari)

#### Last Environmental statement submitted online

yes

#### Consent Number

1.0/BO/CAC/UAN No. MPCB-  
CONSENT-0000073766/CR-2001000068

#### Consent Issue Date

02.01.2020

#### Consent Valid Upto

31.12.2019

### Product Information

#### Product Name

Sugar

#### Consent Quantity

75600

#### Actual Quantity

27789

#### UOM

MT/A

Electric power (Co-generation)

77760000

19619857

Nos./Y

### By-product Information

#### By Product Name

Molasses

#### Consent Quantity

26400

#### Actual Quantity

11042

#### UOM

MT/A

Pressmud

25800

10674

MT/A

Bagasse

270000

74702

MT/A

### 1) Water Consumption in m3/day

#### Water Consumption for Process

#### Consent Quantity in m3/day

312

#### Actual Quantity in m3/day

312

#### Cooling

391

498

<b>Domestic</b>	40	40
<b>All others</b>	-	-
<b>Total</b>	743	850

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

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Trade effluent	375	375	CMD
Domestic effluent	8	8	CMD
Sewage effluent	8	8	CMD

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

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugar (White crystal)	2.008	0.198	MT/A
Molasses	5.847	3.410	MT/A
Bagasse	0.784	0.590	MT/A
Pressmud	5.514	0.621	MT/A

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

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugarcane	9.38	9.85	Ton/Ton

### **4) Fuel Consumption**

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Bagasse	179640	74702	MT/A

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

#### **[A] Water**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
COD	55.86	114	-54.4	250	Within standard norms
BOD	15.19	31	-69	100	Within standard norms
TDS	276.89	565.1	-73.09	2100	Within standard norms
TSS	23.61	48.2	-51.8	100	Within standard norms

#### **[B] Air (Stack)**

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
SPM for 40 tph boiler	151.20	81.4	-41.73	150	Within standard norms

SPM for 66 tph boiler	215.87	88.7	-40.86	150	Within standard norms
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**HAZARDOUS WASTES**

**1) From Process**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	0.450	0.017	MT/A

**2) From Pollution Control Facilities**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	NA	NA	MT/A

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
NA	NA	NA	MT/A

**2) From Pollution Control Facilities**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
Fly/Boiler ash	1970	1120.53	MT/A

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

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	NA	NA	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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	0.017	MT/A	Oily waste

**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
Fly/Boiler ash	1120.53	MT/A	Solid waste

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

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

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

**[A] Investment made during the period of Environmental Statement**

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

**[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
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**Any other particulars in respect of environmental protection and abatement of pollution.**

**Particulars**

(1) Installed online monitoring system. (2) Developed Green belt. (3) Achieved ZLD (4) Adopted 3-R Principle. (5) Submitted all document to MPCB & CPCB time to time. (6) No any Legal case.

**Name & Designation**

S. G. Genge (I/C Managing Director)