



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-0000018821

Submitted Date

20-09-2019

Company Information

Company Name

Shree Chhatrapati Shahu S.S.K. Ltd., Kagal

Application UAN number

0000049136

Address

Shrimant Jaysingrao Ghatge Bhawan, A/P-
Kagal, Dist-Kolhapur

Plot no

148-150, 154-156, 161, 172-186

Taluka

Kagal

Village

Kagal

Capital Investment (In lakhs)

32611

Scale

LSI

City

Kagal

Pincode

416216

Person Name

Mr.S.D.Naikwadi

Designation

Environment Engineer

Telephone Number

02325244214

Fax Number

02325244241

Email

enveng@shahusugar.com

Region

SRO-Kolhapur

Industry Category

Red

Industry Type

R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online

yes

Consent Number

Format1.0/BO/CAC-CELI/UAN
No.0000049136/R/CAC-1902000375

Consent Issue Date

07.02.2019

Consent Valid Upto

31.07.2019

Product Information

Product Name

Sugar

Consent Quantity

163380

Actual Quantity

102911

UOM

MT/A

By-product Information

By Product Name

Electricity

Consent Quantity

90000

Actual Quantity

65337

UOM

Mwh

Molasses

51960

35290

MT/A

Bagasse

365610

216793

MT/A

Pressmud

50760

12754

MT/A

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

1227

Actual Quantity in m3/day

850

Cooling

805

450

Domestic

68

45

All others	0	0
Total	2100	1345

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	762	635	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	1.26	0.68	Ton/Ton
Electricity	0.0046	0.0068	Ton/Ton

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	8.10	7.91	Ton/Ton
Lime	0.0016	0.015	Ton/Ton
Sulphur	0.004	0.004	Ton/Ton
Bagasse	1.41	2.10	Ton/Ton
Oil & Grease	0.00010	0.00008	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	309009	205869	MT/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	Standard	Reason
	Quantity	Concentration	%variation		
PH	0	7.3	0	5.5-9.0	Within Limit
BOD	0	6.0	0	100	Within Limit
COD	0	12.0	0	250	Within Limit
SS	0	11.0	0	100	Within Limit
OIL & GREASE	0	0	0	10	Within Limit
CHLORIDES	0	15.0	0	600	Within Limit
SULPHATES	0	12.0	0	1000	Within Limit
TDS	0	90.0	0	2100	Within Limit

[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		
PM	1.5	64.78	0	150	Within Limit

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	1.5	1.3	MT/A

2) From Pollution Control Facilities

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

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash/fly Ash	7167	7968	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	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	1.5	1.3	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
5.1 Used or spent oil	1.3	MT/A	Disposal - Mixed with bagasse & burnt in own boiler as fuel.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash/Fly Ash	7948	MT/A	Partly mixed in the composting process & rest is given to brick manufacturers free of cost.

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

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)
0	0	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
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ESP Plates	to increase efficiency of ESP	50
RCC lining of lagoon	to make it totally impervious	25

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

Particulars

Large Scale Plantation done in the factory premises in monsoon period.

Name & Designation

Mr.S.D.Naikwadi, Environment Engineer