Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2017

Company Information

Company Name
Shri Gurudatt Sugars Ltd.,

Application UAN number
77607000

Address
Gat No. 61/A, Akiwat Takaliwadi Road, Takaliwadi.

Plot no
Gat No. 61/A

Taluka
Shirol

Village
Takaliwadi

Capital Investment (In lakhs)
228.22

Scale
L.S.I.

City
Takaliwadi

Pincode
416108

Person Name
Mr. Rahul Madhavrao Ghatage

Designation
Executive Directors

Telephone Number
02312686086

Fax Number
02312686000

Email
gslsugars.env@gmail.com

Region
SRO-Kolhapur

Industry Category
Red

Industry Type
R12 Sugar (excluding Khandsari)

Last Environmental statement submitted online
yes

Consent Number
BO/CAC CELL /UAN No. 000001616 & 0000019783/ R/CAC- 1804000889

Consent Issue Date
19.04.2018

Consent Valid Upto
31.07.2019

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Molasses	87816	29906.530	MT/A
Sugar	259200	102569	MT/A
Bagasse	1008480	211018	MT/A
Electricity	181440	70827794	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Press Mud	87816	25742.920	MT/A

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	350	332
Cooling	83	72
Domestic	25	23
All others	0	0
Total	458	427

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Daily Quantity of Trade Effluent from the factory	518	330	CMD
Daily Quantity of Sewage Effluent From the Factory	48	32	CMD
Daily Quantity of Treated Effluent	0	330	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
Electricity	0.78	0.76	
Sugar	1.01	1.01	

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
Sugar Cane	526983.2	768984.373	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Bagasse	418655	211018	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		
	Quantity	Concentration	%variation	Standard	Reason
PH	15.70	0	0	0	0
COD	33.40	0	0	0	0
BOD	12.35	0	0	0	0
Suspended Solids	11.48	0	0	0	0

[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
Total Particulate Matter	481	72	0	0	0

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.2 Wastes/residue containing oil	0.54	0.54	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.2 Wastes/residue containing oil	2.60	2.59	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	7632	6330.54	MT/A
Sludge from Waste Water Treatment	3.8	5.1	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	0	0	MT/A
Sludge from Waste Water Treatment	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
5.2 Wastes/residue containing oil	0.18	0.18	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
5.2 Wastes/residue containing oil	0.18	MT/A	0.18

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	6330.54	MT/A	6330.54
Sludge From Waste Water Treatment Plant	5.1	MT/A	5.1
Sludge From Waste Water Treatment Plant	0	MT/A	0

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)
The 100% treated water from E.T.P is recycled for land irrigation.	72	2452	540	4.05	1800000	135000

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)
Good House keeping kept in a mfg plant as well as ETP massive tree plantation done on available land	Tree Plantation (Quantity 3054 Nos)	30054

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Good House keeping kept in a mfg plant as well as ETP massive tree plantation done on available land	Tree Plantation (Quantity 500 Nos)	7500

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

Particulars

Increase the green coverage by developing lawn and tree plantation. Deployed trained ETP operators. As per CREP norms factory had provided 15 days storage tank for treated effluent. Tank made in RCC. We have also provide Condensate Polishing Unit (C.P.U) plant with cooling tower for sugar factory excess condensate water reuse and recycle purpose. Also, we have installed online monitoring system for ETP outlet (PH, COD, BOD & SS) and Boiler stack (Total Particulate Matter) and also connect to CPC

Name & Designation

Somnath M Kumbhar Enviromental Engineer