Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2018

Company Information

Company Name	***Application UAN number***	
Shree Renuka Sugars Ltd.,(Unit DB.R.K.Panchaganga SSK	0000008891	
Address		
A/P- Ganganagar , Tal- Hatkanangle, Dist- Kolhapur		
Plot no	***Taluka***	***Village***
Gat. No. 29	Hatkanangle	Kabnoor
Capital Investment (In lakhs)	***Scale***	***City***
21822	RED LSI	Ichalkaranji
Pincode	***Person Name***	***Designation***
416116	Shri. Prakash Shrapati Sawant	General Manager
Telephone Number	***Fax Number***	***Email***
09423869501	(0230)2441515	vikas.ingrole@renukasugars.com
Region	***Industry Category***	***Industry Type***
SRO-Kolhapur	Red	R12 Sugar (excluding Khandsari)
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	1.0/BO/CAC-CELL/UAN No.0000008891-16/R/CAC-1705000719	19.05.2017
Consent Valid Upto		
31.08.2017		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Sugar	228000	68382	MT/A
Power Generation	262800	47124	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Pressmud	84000	16483	MT/A
Molasses	72000	23451	MT/A
Baggasse	564000	146942.64	MT/A

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	600	400
Cooling	1042	317
Domestic	80	78
All others	0	0

Total	1722	795

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Sugar Effluent	500	423	CMD
Cogen Effluent	80	25	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	1.91	1.5	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
Sugar Cane	7.89	7.68	Ton/Ton

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Baggasse	557355	146851	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
Chemical Oxygen Demand	60.91	144	42	250	Good O & M of ETP
Biological Oxygen Demand	16.92	40	60	100	Good O & M of ETP
Total Suspended Solids	10.15	24	76	100	Good O & M of ETP

[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
SPM	195	16	89	150	Good O & M of ESP & Stack

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	2.5	2.5	MT/A
5.1 Used /spent oil	2.5	2.5	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM

0	NA	NA	CMD

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Boiler Ash	1965	1834	MT/A
ETP Sludge	2.5	2.5	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
NA	NA	NA	CMD

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	CMD

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	2.5	MT/A	Residue containing Oil is burned with baggase as fuel for our own boiler.
5.1 Used /spent oil	2.5	MT/A	Used oil is burned with baggase as fuel for our own boiler.

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Boiler Ash	1834	MT/A	Cent percent of ash sold to brick mfg. Used as manure with compost production.

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 company has given prior attention to taken on conservation of natural resources & consequently on the cost of prodction	284	675	2338	350000	21822	100000

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)
The design capacity of ETP is 750 M3/d is provided to treat industrial effluent. ETP comprises with screen chamber, Equalisation cum anaerobic tank , aerobic tank, Sec. Clarifier, SDB.The methode of t	The ETP is operated by qualified staff to control water pollution. The final treated water is disposed to on land for irrigation on 130 acre land & neighboring farmers.	84

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Pri. Clarifier, Tertiary Treatment	Pri. Clarifier, Tertiary Treatment	24

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

Particulars

The industry files regular water cess returns as per the cess act on monthly basis. The industry shall carried out noise level survey within fcatory area. The industry provides fire fighting training to its own staff. There are no industrial accidents, fier or spillages etc. in season 2016-17. The industry is particular in obeying laws related to protection of environment.

Name & Designation

Prakash S. Sawant. General Manager