

Jamkhandi Sugars Ltd.

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.



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JSL/Mfg/Env Audit/2015-16/

Date: - 05.05.2016

To,

The Environmental Officer,
Regional Officer
Karnataka state pollution control Board
Sector No.7, Bypass Road, Navanagar,
Bagalkot -587702

Sir,

Subject:- submission of Environment Statement For the financial year 2015-16.

With reference to above cited subject, we are enclosing herewith the Environment Statement for for financial year 2015-16 for our "M/s Jamkhandi Sugars ltd" located at Hirepadasalgi village, Nagnur Post-587301, Jamkhandi Taluk, Bagalkot District, Karnataka. Kindly acknowledge the receipt, So that we can upload the same in our company website.

Thanking You,

Yours Faithfully,

For Jamkhandi Sugars Limited

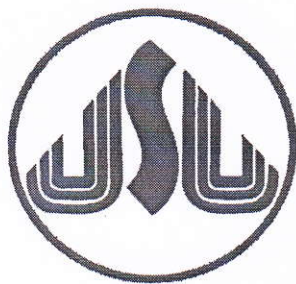

Managing Director

Enclosure: - Form V



ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR 2015-2016

Submitted By



M/s. Jamkhandi Sugars Ltd., Unit I

**Post: Hirepadasalgi, Nagnur, Tal: Jamkhandi
Dist: Bagalkot - 587301**



ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31 ST MARCH 2016

PART- A

i.	Name and address of the owner/ occupier of the industry	V. Sivaprkasam, Managing Director, M/s Jamkhandi Sugars Ltd.,(Unit I) Post: Hirepadasalgi, Nagnur, Tal: Jamkhandi Dist: Bagalkot - 587301
Operation or Process		
ii.	Industry category Primary-(STC Code) Secondary- (STC Code)	Primary-(SIC CODE)-2000 Secondary-(SIC CODE)-2061 Category : Red , Size: Large
iii.	Production Category-Units	White crystal sugar with sugar cane crushing capacity of 5000 TCD and 27 MW/hr cogeneration
iv.	Year of establishment	2001
v.	Date of Last Environmental Statement submitted	01.07.2015
vi.	No. of Employees	425 no's



PART-B

Water and Raw Material Consumption

Water Consumption in m³/d

Water Consumption	2014-15	2015-16
Process	234	84
Cooling (including washing and boiler feed)	191	151
Domestic	20	18

I PRODUCTS

Name of the Products	Process water consumption per unit of Product Output	
	During the current financial year 2014-15	During the current financial year 2015-16
Sugar	0.33	0.27

ii. Raw Material Consumption

Raw Materials	Product	Consumption of raw material per unit of output	
		During the current financial year 2014-15	During the current financial year 2015-16
Sugar Cane	Crystal white Sugar	833.50	885.00
Lime		0.17	0.14
O.P. Acid		0.25	0.30
Sulfur		0.047	0.038
Caustic Soda		0.72	0.58
Lubricants (Kgs/MT of Sugar cane crushed)		0.18	0.25



PART-C

Pollution discharged to environment / unit of output

(Parameters as specified in the consent issued)

Pollutants	Discharge of pollutants (Kg/day)	Concentration of Pollutants discharged mg/volume	Reasons
Water	<ul style="list-style-type: none">Domestic effluent is treated in septic tank and soak pit.Effluents from washings are treated in an ETP consisting of collection cum reaction tank, settling tank, pressure sand filter and final collection tank.Monitoring of the characteristics of effluent washings will be outsourced to KSPCB empanelled laboratories.		
Air	<ul style="list-style-type: none">Emission from 90 TPH boiler, 70 TPH boiler with chimney of 90 mt and 56 mts pass through ESP, Wet scrubber respectively before emitting in to atmosphere725 KVA, DG set is equipped with chimney of 20 mts. respectively		
<ul style="list-style-type: none">Monitoring reports are enclosed herewith for your kind perusal			

PART-D

HAZARDOUS WASTE

(As specified under the Hazardous Waste (Management and Handling Rules, 1989))

Hazardous Waste	Total Quantity (T/annum)	
	During the Current Financial Year 2014-15	During the Current Financial Year 2015-16
a) From Process	0.12T/ annum used within the premises as lubricants	140Ltrs/ annum used within the premises as lubricants
b) From Pollution Control facilities		



PART-E

SOLID WASTE

SR.NO	Solid waste	Total Quantity			
		During the Current Financial Year 2014-2015		During the Current Financial Year 2015-2016	
	a) From Process	Ash	3405 TPA	Ash	4321 TPA
		Press mud	23762 TPA	Press mud	30624.714 TPA
	b) From Pollution Control facility (Organic Sludge)	ETP sludge 13.7T/day		ETP sludge 15.7 T/A	
	c) Quantity recycled or reutilized within the unit	Bagasse = 227023 MT		Bagasse = 216056MT	

PART-F

Please specify the characterization (in terms of Composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

The Hazardous waste generation is from D.G. Set of capacities 725 KVA, 500 KVA and 320 KVA DG set in the form of used oil and is classified under Category No.5.1 according to Hazardous Wastes (Management & Handling) Amended rules 2003. The quantity is approximately 140 lts /annum the quantity solely depends on the usage of D.G. Sets (more usage when there is no power supply). This is stored securely in sealed barrels in the premises and used as a lubricant in the mill gear.

The ash is mixed with press mud and sold as manure to member farmers.

PART G

Impact of the pollution control measures taken on the conservation of natural resources and consequently on the cost of production

A. Impact of pollution abatement on conservation

a. Cleaner Effluents

During the manufacturing process, wastewater is generated from various sections viz. process, washing area, domestic activity.,

The consumption of fresh water is kept in control because of production planning, maintaining dedicated production facility and optimization of wash water amount.



b. Resource Conservation & Recovery

Proper production planning and quality management techniques have resulted in lesser consumption of raw material which has resulted in lesser wastage of raw material, which earlier used to reach E.T.P.

c. Solid Waste Reuse

Bagasse generated as a byproduct from the sugar industry is reused as fuel for captive power plant.

The sludge generation from E.T.P. is partly used as manure in the plant premises. The remaining sludge is given free of cost to member farmers to use as manure.

B. Impact of pollution abatement on the cost of production

The expenditure incurred on the maintenance and running of the ETP works out to be 20 lakhs rupees this year. This includes the cost of chemicals, machinery repairs, machinery repairs, replacement of parts, manpower etc.

PART-H

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

The company has already adopted various quality systems and improved manufacturing discipline. This has resulted in material conservation and waste reduction this year.

The industry has reduced its fuel consumption this year considerably compared to previous year. The indirect benefits are lesser emission of pollutants, maintenance of ambient air quality and energy conservation.

PART-I


MISCELLANEOUS

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

The industry shall try to utilize all the treated effluent optimally for growing more trees in the premises.

Date: - 05.05.2016

Place: - Hirepadasalgi


Managing Director
Jamkhandi Sugars Ltd

