

**ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR
2022-2023**

Submitted By



M/s. Jamkhandi Sugars Ltd., Unit I

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

Jamkhandi Sugars Ltd.

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



CUG No. 7022022148 / 149

CIN No. U85110KA1993PLC014570

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31 ST MARCH 2023

JSL/Mfg/Env- Audit-Sugar/2022-23/1400

Date: 26.06.2023

To,

**The member Secretary
Karnataka state pollution control Board
#48 Parisar Bhavan 4th and 5th Floor,
Church Street
Bangalore-560001**

Submitted through: Environmental Officer, Regional Office, KSPCB, Bagalkot.

Subject: - submission of Environment Statement For the financial year 2022-23-Reg.

R/sir,

With reference to above cited subject, we are enclosing herewith the Environment Statement for financial year 2022-23 for our "M/s Jamkhandi Sugars ltd" (Sugar Division) 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


General Manger (W)

Encl: Two copies of Environmental Statement.



ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31 ST MARCH 2023**

PART- A

i.	Name and address of the owner/ occupier of the industry	V.Sivaprakasam. 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 11500 TCD and 34 MW/hr cogeneration
iv.	Year of establishment	2001
v.	Date of Last Environmental Statement submitted	20.06.2022
vi.	No. of Employees	425 no's

	<i>Crushing season</i> <i>2021-22</i>	<i>Crushing season</i> <i>2022-23</i>
<i>Crushing in MT</i>	<i>1307881.378</i>	<i>1427443</i>
<i>Sugar in MT</i>	<i>105787</i>	<i>111799</i>
<i>Crop day</i>	<i>159</i>	<i>155</i>

PART-B

1) (a) Water Consumption in m³/day

Source	During the previous financial year 2021-22	During the current financial year 2022 -23
Process	105	152
Cooling (including washing and boiler feed)	550	608
Domestic	70	60

b) Water consumption per unit of out-put.

Name of the Product	Process water consumption per unit of Product OutputM3/MT of sugar	
	During the previous financial year 2021-22	During the current financial year 2022-23
Sugar & process cooling	0.98	0.94
Domestic	0.1	0.08

ii. Raw Material Consumption

Raw Materials	Product	Consumption of raw material per unit of output	
		During the previous financial year 2021-22	During the current financial year 2022-23
Sugar Cane	Crystal white Sugar	12.3	12.7
Lime		0.012	0.011
O.P. Acid		0.00013	0.00014
Sulfur		0.0024	0.00023
Caustic Soda		0.00050	0.0042
Lubricants (Kgs/MT of Sugar cane crushed)		0.090	0.0014

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, Buffer Tank, UASBR, Aeration Tank I, Secondary clarifier I, Aeration Tank II Secondary Clarifier II, 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 atmosphere • 725 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 (L/annum)	
	During the previous Financial Year 2021-22	During the Current Financial Year 2022-23
a) From Process	200 Ltrs/ annum used within the premises as lubricants	170 Ltrs/ annum used within the premises as lubricants
b) From Pollution Control facilities		

PART-E

SOLID WASTE

SR.NO	Solid waste	Total Quantity			
		During the previous Financial Year 2021-22		During the Current Financial Year 2022-23	
1.					
	a) From Process	Ash	1767.18 MT	Ash	4567.24
		Press mud	26026.8 MT	Press mud	34258.6
	b) From Pollution Control facility (Organic Sludge)	ETP sludge 40.0 MT		ETP sludge 48 MT	
	c) Quantity recycled or reutilized within the unit	Bagasse = 271875 MT MT		Bagasse = 304483	

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 200 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 15 Lakhs this year. This includes the cost of chemicals, machinery repairs, and replacement of parts, manpower.

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: - 26.06.2023

Place: - Hirepadasalgi

For Jamkhandi Sugars Ltd



A handwritten signature in blue ink, appearing to be 'S2'.

General Manager (W)



MSV Analytical Laboratories

(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,
E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4296

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : Near Main Gate
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sample : Sample collected with FDS GTI-131& RDS APM-460
5. Date of Sample Receipt : 14.03.2023
6. Analysis Starting Date : 15.03.2023
7. Analysis Completion Date : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) - 2006	µg / m ³	8 hrs	76.02	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) - 2019	µg / m ³	8 hrs	39.14	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) - 2001	µg / m ³	8 hrs	6.28	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg / m ³	8 hrs	12.09	80

INFERENCE	As per NAAQS Standards
	Report Status :- The analyzed values for above measured parameter are within the limits

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



- Note: 1. The results listed only to the tested samples & applicable parameters.
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
3. This report is not to be reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.
4. Total liability of our laboratory is limited to the invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction only.
5. Sampling is not done by us unless otherwise specified. 6. The tests and/or calibrations marked with an are not accredited by NABL.



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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, **Website** : www.msvlabellary.com

MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4297

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location** : Near Sugar House
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sample** : Sample collected with FDS GTI-131& RDS APM-460
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting Date** : 15.03.2023
- Analysis Completion Date** : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) – 2006	µg / m ³	8 hrs	60.38	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) – 2019	µg / m ³	8 hrs	24.35	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) – 2001	µg / m ³	8 hrs	5.17	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) – 2006	µg / m ³	8 hrs	11.21	80

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvallbellary.com

MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4298

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location** : Near ETP Plant
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sample** : Sample collected with FDS GTI-131& RDS APM-460
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting Date** : 15.03.2023
- Analysis Completion Date** : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) - 2006	µg / m ³	8 hrs	71.01	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) - 2019	µg / m ³	8 hrs	35.95	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) - 2001	µg / m ³	8 hrs	5.72	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg / m ³	8 hrs	11.39	80

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4299

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location** : Near Cane Yard
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sample** : Sample collected with FDS GTI-131& RDS APM-460
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting Date** : 15.03.2023
- Analysis Completion Date** : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) – 2006	µg / m ³	8 hrs	83.70	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) – 2019	µg / m ³	8 hrs	39.61	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) – 2001	µg / m ³	8 hrs	6.25	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) – 2006	µg / m ³	8 hrs	11.19	80

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



:- END OF REPORT

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: MSVAL/2023/4300

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Stack ID : 90 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Sample Receipt : 14.03.2023
5. Analysis Starting Date : 15.03.2023
6. Analysis Completion Date : 17.03.2023
7. Particulars of sample : Sample collected with GTI-121

GENERAL DETAILS

Date of Monitoring	14.03.2023
Fuel Used	Bagasse
Stack Temperature (°C)	141
Velocity (m/s)	7.73
Height (m)	90
Diameter (m)	3.0

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Standards
Particulate Matter	IS-11255(Part1) - 1985	mg/Nm ³	86.05	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm ³	13.64	100
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm ³	27.85	50

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by



-. END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, **Website** : www.msvalbellary.com

MSVAL/A/F/18/03

ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: MSVAL/2023/4301

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Stack ID : 70 TPH New Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Sample Receipt : 14.03.2023
5. Analysis Starting Date : 15.03.2023
6. Analysis Completion Date : 17.03.2023
7. Particulars of sample : Sample collected with GTI-121

GENERAL DETAILS

Date of Monitoring	14.03.2023
Fuel Used	Bagasse
Stack Temperature (°C)	129
Velocity (m/s)	7.61
Height (m)	80
Diameter (m)	3.5

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Standards
Particulate Matter	IS-11255(Part1) - 1985	mg/Nm ³	61.28	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm ³	11.33	100
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm ³	20.52	50

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed value for above measured parameter is within the limits.

Analysed by



-: END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/18/03

ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: MSVAL/2023/4302

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Stack ID : 70 TPH Boiler
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Sample Receipt : 14.03.2023
5. Analysis Starting Date : 15.03.2023
6. Analysis Completion Date : 17.03.2023
7. Particulars of sample : Sample collected with GTI-121

GENERAL DETAILS

Date of Monitoring	14.03.2023
Fuel Used	Bagasse
Stack Temperature (°C)	134
Velocity (m/s)	8.15
Height (m)	56
Diameter (m)	3

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Standards
Particulate Matter	IS-11255(Part1) - 1985	mg/Nm ³	81.39	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm ³	12.76	100
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm ³	23.50	50

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



--: END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/17/04

WORKZONE NOISE LEVEL MONITORING REPORT

Test Report No: MSVAL/2023/4303

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of the sample collected : Noise meter
4. Date of Monitoring : 14.03.2023
5. Report Date : 18.03.2023
6. Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS		
			L Min in dB(A)	L Max in dB(A)	Leq. in dB(A)
Day Time					
1	Near Boiling House	02.30pm to 02.45pm	80.4	82.5	81.6
2	Mill Station	03.00pm to 03.15pm	82.6	84.1	83.8
3	Sugar House	03.25pm to 03.40pm	70.3	74.8	73.0
4	Central Fugal	03.50pm to 04.05pm	84.7	87.0	85.1
5	Turbine	04.20pm to 04.35pm	83.9	86.4	85.9

The Factories Regulations 1997, has prescribed Limits for Day time = 100 dB (A) L_{EQ}

INFERENCE	As per Factories Act 1948 Standards, Report Status :- In the all locations Noise level is within the limits
-----------	--

Analysed by



:- END OF REPORT :-

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

- Note: 1. The results listed only to the tested samples & applicable parameters,
2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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MSV Analytical Laboratories

(Certified by ISO 14001-2015, OHSAS18001-2007, ISO 9001-2015)

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Sanganakallu Road, KEB Circle, Ballari - 583103 **Contact No** : Mob : 94498 03895, (O) : 08392-255169,
E-mail : msv.lab01@gmail.com, labmsv@gmail.com, **Website** : www.msvbellary.com

MSVAL/A/F/17/04

WORKZONE NOISE LEVEL MONITORING REPORT

Test Report No: MSVAL/2023/4304

Report Issued Date: 18.03.2023

1. **Name of the Project** : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. **Sample Collected By** : MSV Analytical Laboratories
3. **Particulars of the sample collected** : Noise meter
4. **Date of Monitoring** : 14.03.2023
5. **Report Date** : 18.03.2023
6. **Method Adopted** : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS		
			L Min in dB(A)	L Max in dB(A)	Leq. in dB(A)
Night Time					
1	Near Boiling House	10.05pm to 10.20pm	79.7	82.4	80.8
2	Mill Station	10.25pm to 10.40pm	80.6	83.5	82.5
3	Sugar House	10.45pm to 11.00pm	69.3	73.0	71.6
4	Central Fugal	11.05pm to 11.20pm	82.5	85.3	83.1
5	Turbine	11.25pm to 11.40pm	82.7	84.8	83.2

The Factories Regulations 1997, has prescribed Limits for Day time = 100 dB (A) L_{EQ}

INFERENCE	As per Factories Act 1948 Standards, Report Status :- In the all locations Noise level is within the limits
------------------	--

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/W/F/13/03

ANALYSIS REPORT OF WATER QUALITY

Test Report No: MSVAL/2023/4305

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamkhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : BorewellWater-Main Gate
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 2 Liters
5. Particulars of Sample Collected : Grab sample
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.No	Parameters	Protocol	Unit	Result	IS 10500-2012	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color, Max	IS : 3025(part-4)	Hazen	BDL(<1.0)	5	15
2	pH @25°C	IS : 3025(part-11)	---	7.95	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids, Max	IS : 3025(part-16)	mg/L	804.0	500	2000
4	Turbidity, Max	IS : 3025(part-10)	NTU	0.62	1	5
Chemical Parameters						
5	Total Alkalinity as CaCO ₃ , Max	IS : 3025(part-23)	mg/L	230.5	200	600
6	Total Hardness as CaCO ₃ , Max	IS : 3025(part-21)	mg/L	339.2	200	600
7	Nitrate Nitrogen (as NO ₃ N), Max	IS : 3025(part-34)	mg/L	5.17	45	No Relaxation
8	Chloride (as Cl), Max	IS : 3025(part-32)	mg/L	121.8	250	1000
9	Sulphate (as SO ₄), Max	IS : 3025(part-24)	mg/L	41.05	200	400
10	Calcium (as Ca), Max	IS : 3025(part-40)	mg/L	81.52	75	200
11	Magnesium (as Mg), Max	IS : 3025(part-46)	mg/L	32.80	30	100
12	Fluoride (as F), Max	IS : 3025(part-60)	mg/L	0.40	1.0	1.5
13	Iron (as Fe), Max	IS : 3025(part-53)	mg/L	0.08	1.0	No Relaxation
Bacteriological Parameters						
14	Total Coliforms	IS 1622:1981(Reaffirmed 2009)	MPN/100ml	Absent	Shall not be detectable in any 100ml	
15	Fecal Coliforms	IS 1622:1981(Reaffirmed 2009)	MPN/100ml	Absent		

INFERENCE	IS 10500 - 2012 Standards, BDL - Below Detectable Limit
	Report Status: - The above measured parameters are within the permissible limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



:- END OF REPORT :-

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2. Water samples will destroyed after 10days, Filter papers & Thimbles will be destroyed 3months from the date of issue of test certificate unless otherwise specified. ILC sample will be destroyed after 1 month from the date of test certificate issue.
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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvlabellary.com

MSVAL/W/F/13/03

ANALYSIS REPORT OF WATER QUALITY

Test Report No: MSVAL/2023/4306

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Krishna River Water
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 2 Liters
5. Particulars of Sample Collected : Grab sample
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.No	Parameters	Protocol	Unit	Result	IS 10500-2012	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color, Max	IS : 3025(part-4)	Hazen	BDL(<1.0)	5	15
2	pH @25°C	IS : 3025(part-11)	---	7.26	6.5 - 8.5	No Relaxation
3	Total Dissolved Solids, Max	IS : 3025(part-16)	mg/L	418.0	500	2000
4	Turbidity, Max	IS : 3025(part-10)	NTU	1.34	1	5
Chemical Parameters						
5	Total Alkalinity as CaCO ₃ , Max	IS : 3025(part-23)	mg/L	114.8	200	600
6	Total Hardness as CaCO ₃ , Max	IS : 3025(part-21)	mg/L	216.3	200	600
7	Nitrate Nitrogen (as NO ₃ N), Max	IS : 3025(part-34)	mg/L	3.78	45	No Relaxation
8	Chloride (as Cl), Max	IS : 3025(part-32)	mg/L	61.30	250	1000
9	Sulphate (as SO ₄), Max	IS : 3025(part-24)	mg/L	38.95	200	400
10	Calcium (as Ca), Max	IS : 3025(part-40)	mg/L	49.20	75	200
11	Magnesium (as Mg), Max	IS : 3025(part-46)	mg/L	22.60	30	100
12	Fluoride (as F), Max	IS : 3025(part-60)	mg/L	0.31	1.0	1.5
13	Iron (as Fe), Max	IS : 3025(part-53)	mg/L	BDL(<0.01)	1.0	No Relaxation
Bacteriological Parameters						
14	Total Coliforms	IS 1622:1981(Reaffirmed 2009)	MPN/100ml	Absent	Shall not be detectable in any 100ml	
15	Fecal Coliforms	IS 1622:1981(Reaffirmed 2009)	MPN/100ml	Absent		

INFERENCE

IS 10500 - 2012 Standards, BDL - Below Detectable Limit

Report Status: - The above measured parameters are within the permissible limits.

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/14/03

ANALYSIS REPORT OF WASTE WATER QUALITY

Test Report No: MSVAL/2023/4307

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Type** : Treated water (ETP)
- Sample Collected By** : MSV Analytical Laboratories
- Sample Quantity** : 1 Liters
- Particulars of Sample Collected** : Grab sample
- Sample Description/Condition** : Good/satisfactory
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting date** : 15.03.2023
- Analysis Completion Date** : 18.03.2023

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits As per KSPCB Consent
1	Color	IS : 3025(part-4) : 1983 (RA 2017)	Hazen	<5	-
2	Oil & Grease, Max	APHA 23 rd Edition-2017, 5520 D	mg/L	BDL(<1.0)	10
3	pH @ 25°C	APHA 23 rd Edition-2017, 4500 H+, B	-	7.42	5.5 – 8.5
4	Bio-chemical Oxygen Demand (3 days at 27°C), Max	IS-3025:1993(part 44) (RA 2009)	mg/L	78.0	100
5	Chemical Oxygen Demand	IS-3025:2006(part 58)	mg/L	210.0	-
6	Chloride as Cl	APHA 23 rd Edition-2017, 4500-Cl	mg/L	172.8	-
7	Total Dissolved solids, Max	APHA 23 rd Edition-2017, 2540 C	mg/L	1348.0	2100
8	Total Suspended solids, Max	APHA 23 rd Edition-2017, 2540 F	mg/L	35.0	100

INFERENCE	As per KSPCB Consent Standards, BDL – Below Detectable Limit
	Report Status: - The above measured parameters are within the permissible limits.

Analysed by



:- END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/14/03

ANALYSIS REPORT OF WASTE WATER QUALITY

Test Report No: MSVAL/2023/4308

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Untreated water (ETP)
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 1 Liters
5. Particulars of Sample Collected : Grab sample
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT
1	Color	IS : 3025(part-4) : 1983 (RA 2017)	Hazen	Black
2	Oil & Grease	APHA 23 rd Edition-2017, 5520 D	mg/L	4.60
3	pH @ 25°C	APHA 23 rd Edition-2017, 4500 H+, B	-	5.82
4	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025:1993(part 44) (RA 2009)	mg/L	1610.0
5	Chemical Oxygen Demand	IS-3025:2006(part 58)	mg/L	3890.0
6	Chloride as Cl	APHA 23 rd Edition-2017, 4500-Cl	mg/L	412.2
7	Total Dissolved solids	APHA 23 rd Edition-2017, 2540 C	mg/L	3470.0
8	Total Suspended solids	APHA 23 rd Edition-2017, 2540 F	mg/L	285.0

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

--: END OF REPORT :--

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/A/F/14/03

ANALYSIS REPORT OF SOIL

Test Report No: MSVAL/2023/4309

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Soil Sample-ETP Garden
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 1 Kg
5. Particulars of Sample Collected : -
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.NO	PARAMETERS	UNIT	PROTOCOL	RESULT
1	pH	-	IS 2720(Part 26) : 1987	7.82
2	Electrical Conductivity	ms/m	IS 14767 : 2000	0.659
3	Total Organic Carbon	%	IS 2720(Part 23) : 1972 (RA 2010)	0.46
4	Available Nitrogen	mg/kg	Lab SOP: MSV/SOP/S-03, Dt:5.1.2018	41.2
5	Available Phosphorous	mg/kg	Lab SOP: MSV/SOP/S-06, Dt:5.1.2018	28.9
6	Potassium as K ₂ O	mg/kg	Lab SOP: MSV/SOP/S-11, Dt:5.1.2018	76.8

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/A/F/14/03

ANALYSIS REPORT

Test Report No: MSVAL/2023/4310

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Press Mud
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 1 Kg
5. Particulars of Sample Collected : -
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.NO	PARAMETERS	UNIT	PROTOCOL	RESULT
1	pH	-	IS 2720(Part 26) : 1987	6.75
2	Electrical Conductivity	ms/m	IS 14767 : 2000	42.0
3	Total Organic Carbon	%	IS 2720(Part 23) : 1972 (RA 2010)	1.29
4	Available Nitrogen	mg/kg	Lab SOP: MSV/SOP/S-03, Dt:5.1.2018	2.46
5	Available Phosphorous	mg/kg	Lab SOP: MSV/SOP/S-06, Dt:5.1.2018	0.75
6	Potassium as K ₂ O	mg/kg	Lab SOP: MSV/SOP/S-11, Dt:5.1.2018	4.91

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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**ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR
2022-2023**

Submitted By



M/s. Jamkhandi Sugars Ltd., Distillery Division

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

Jamkhandi Sugars Ltd.

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



CUG No. 7022022148 / 149

CIN No. U85110KA1993PLC014570

JSL/Mfg/Env- Audit-Distillery/2022-23/ 1401

Date: 26.06.2023

To,

**The member Secretary
Karnataka state pollution control Board
#48 Parisar Bhavan 4th and 5th Floor,
Church Street
Bangalore-560001**

Submitted through: Environmental Officer, Regional Office, KSPCB, Bagalkot.

Subject: - submission of Environment Statement For the financial year 2022-23 Reg.

R/sir,

With reference to above cited subject, we are enclosing herewith the Environment Statement for financial year 2022-23 for our "M/s Jamkhandi Sugars Ltd" Distillery Division 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

General Manger (W)



Encl: Two copies of Environmental Statement.

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

ENVIRONMENTAL STATEMENT FOR THE FINANCIAL
YEAR ENDING 31 ST MARCH 2023

PART- A

i.	Name and address of the owner/ occupier of the industry	V.Sivaprakasam. Managing Director M/s Jamkhandi Sugars Ltd.Distillery Division 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	60 + 90 KLPD Total spirit
iv.	Year of establishment	December-2017
V	Date of Last Environmental statement submitted.	20.06.2022
VI	No. of Employees	64

PART-B

Water and Raw Material Consumption

1. Water Consumption (cum/day)

Operation	During the Previous financial year 2021-22	During the current financial year 2022-23
Process	590	580
Cooling (including washing and boiler feed)	120	122
Domestic	06	05

2. PRODUCTS

Name of the Product	Process water consumption per unit of Product Output (KL/KL of Sprit Produced)	
	During the previous financial year 2021-22	During the current financial year 2022-23
Rectified Spirit	5.8	4.01

3. Raw Material Consumption:

Raw Material	Product	Consumption of raw material per unit of output	
		During the previous financial year 2021-22	During the current financial year 2022-23
Molasses	Ethanol	3.07	3.43
Yeast used kg		0.00058	0.00071
Urea		--	--
DAP		--	--
Antifoam kg		0.00047	0.00059
Bleaching power		----	----
Steam/KL		533	510
Power (KWH/KL)		510	475
Total Yeast Sludge	By -Product	3050	2122
	Fusel oil	Nil	NIL

Product	Total quantity produced in liters 2021-22	Total quantity produced in liters 2022-23
Rectified Spirit	31324659.00	0.0
Extra Neutral Alcohol	253925.00	0.0
Impure Alcohol	14758.00	0.0
Ethanol	29788888.00	44778057.00
Fusel Oil	Nil	Nil

PART-C

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

Pollutants	Quantity KL/Day	Concentration	Concentration Discharged (Mass/Day)	Percentage of variation prescribed standards with reasons
Waste water(BOD)	429	Nil	NA	Spent wash generated after Multiple effect Evaporation is utilized in incineration Boiler
AIR -Stack -1		Copy Enclosed		

PART-D

HAZARDOUS WASTE

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

Hazardous Waste	Total Quantity (T/annum)	
	During the previous Financial Year 2020-21	During the Current Financial Year 2021-22
c) From Process	NIL	NIL
d) From Pollution Control facilities		

PART-E

SOLID WASTE

SR.NO	Solid waste	Total Quantity	
		During the previous Financial Year 2021-22	During the Current Financial Year 2022-23
1	From Process (by products) a) Yeast Sludge	3050	2122
II	From Pollution Control facility a) Ash	4300	4100
III	c) Quantity recycled or reutilized within the unit	Ash sold to brick manufactures.	Ash sold to brick manufactures.

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.

Hazardous waste: Not Applicable.

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. 1200 KL/Day spent wash is concentrated two stage evaporation is utilized in the incineration boiler.

PART-H

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

Industry has commissioned the Incineration boiler of 22 TPH & 23 TPH for utilization of spent wash after multiple effect evaporation in incineration boiler as fuel. Bag filter is installed for emission control for the suspended particulate matter through flue gas.

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

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

Condensate Polishing Unit (RO process) is provided for the treatment of process condensate from MEE and spent less. The RO out let is utilized for cooling tower make up water.

This year additional tree plantation of 1000 trees was carried out for the minimization of fugitive emissions.

Date: - 26.06.2023

Place: - Hirepadasalgi

For Jamkhandi Sugars Ltd



A handwritten signature in blue ink, consisting of stylized initials and a surname.

General manger (W)



MSV Analytical Laboratories

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E-mail : msv.lab01@gmail.com, labmsv@gmail.com, Website : www.msvalbellary.com

MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4289

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location** : Near Main Gate
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sample** : Sample collected with FDS GTI-131& RDS APM-460
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting Date** : 15.03.2023
- Analysis Completion Date** : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) - 2006	µg / m ³	8 hrs	85.23	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) - 2019	µg / m ³	8 hrs	41.97	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) - 2001	µg / m ³	8 hrs	6.18	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg / m ³	8 hrs	11.35	80

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



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MSVAL/A/F/16/03

ANALYSIS REPORT OF AMBIENT AIR QUALITY

Test Report No: MSVAL/2023/4290

Report Issued Date: 18.03.2023

- Name of the Project** : M/s. Jamkhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Name of the location** : Near CPU Unit
- Sample Collected By** : MSV Analytical Laboratories
- Particulars of the sample** : Sample collected with FDS GTI-131& RDS APM-460
- Date of Sample Receipt** : 14.03.2023
- Analysis Starting Date** : 15.03.2023
- Analysis Completion Date** : 17.03.2023

S. No	Parameter	Protocols	Units	Duration Of Monitoring	Results	NAAQ STANDARDS
1	Particulate Matter PM ₁₀	IS-5182(Part-23) - 2006	µg / m ³	8 hrs	61.74	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24) - 2019	µg / m ³	8 hrs	25.18	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2) - 2001	µg / m ³	8 hrs	5.36	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6) - 2006	µg / m ³	8 hrs	10.41	80

INFERENCE	As per NAAQS Standards Report Status :- The analyzed values for above measured parameter are within the limits
------------------	---

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory



-: END OF REPORT :-

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MSVAL/A/F/18/03

ANALYSIS REPORT FOR SOURCE EMISSION

Test Report No: MSVAL/2023/4291

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Stack ID : 22+23 TPH Boiler (Common Chimney)
3. Sample Collected By : MSV Analytical Laboratories
4. Date of Sample Receipt : 14.03.2023
5. Analysis Starting Date : 15.03.2023
6. Analysis Completion Date : 17.03.2023
7. Particulars of sample : Sample collected with GTI-121

GENERAL DETAILS

Date of Monitoring	14.03.2023
Fuel Used	Coal + Bagasse+ Conc. Spent wash
Stack Temperature (°C)	136
Velocity (m/s)	8.17
Height (m)	80
Diameter (m)	3.5

RESULTS

Parameters	Protocol	Unit	Result	KSPCB Standards
Particulate Matter	IS-11255(Part1) - 1985	mg/Nm ³	62.05	150
Sulphur dioxide	IS-11255(Part 2) - 1985	mg/Nm ³	12.47	-
Nitrogen dioxide	IS-11255(Part 7) - 2005	mg/Nm ³	30.60	-

INFERENCE	As per KSPCB Standards Report Status: - The analyzed value for above measured parameter is within the limits.
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Analysed by



Authorized Signatory

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Chief executive of the laboratory

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MSVAL/A/F/17/04

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No: MSVAL/2023/4292

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of the sample collected : Noise meter
4. Date of Monitoring : 14.03.2023
5. Report Date : 18.03.2023
6. Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			L Min in dB(A)	L Max in dB(A)	Leq. in dB(A)	
Day Time						
1	Near Main Gate	03.10pm to 03.25pm	67.3	70.1	68.1	75 (6.00am to 10.00pm)
2	Near Evaporation Section	03.40pm to 03.55pm	70.3	74.1	72.8	
3	Near Distillation Section	04.05pm to 04.20pm	71.6	74.3	72.2	
4	Near Laboratory	04.30pm to 04.45pm	66.1	70.4	68.6	
5	Near Ware House	05.00pm to 05.15pm	70.9	73.3	72.7	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
-----------	---

Analysed by



Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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MSVAL/A/F/17/04

AMBIENT NOISE LEVEL MONITORING REPORT

Test Report No: MSVAL/2023/4293

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of the sample collected : Noise meter
4. Date of Monitoring : 14.03.2023
5. Report Date : 18.03.2023
6. Method Adopted : Instrument Manual Method

S.No	Sample Location	Time Frequency	RESULTS			KSPCB limits in dB(A) Leq
			L Min in dB(A)	L Max in dB(A)	Leq. in dB(A)	
Night Time						
1	Near Main Gate	10.10pm to 10.25pm	59.4	66.7	63.6	70 (10.00pm to 6.00am)
2	Near Evaporation Section	10.30pm to 10.45pm	65.6	67.3	66.9	
3	Near Distillation Section	10.50pm to 11.05pm	66.3	68.1	67.2	
4	Near Laboratory	11.10pm to 11.25pm	54.7	60.4	58.0	
5	Near Ware House	11.30pm to 11.45pm	59.3	63.5	61.8	

INFERENCE	As per KSPCB Standards, Report Status :- In the all locations Noise level is within the limits
------------------	---

Analysed by



:- END OF REPORT

Authorized Signatory

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Chief executive of the laboratory

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MSVAL/A/F/14/03

ANALYSIS REPORT OF WASTE WATER QUALITY

Test Report No: MSVAL/2023/4294

Report Issued Date: 18.03.2023

1.	Name of the Project	:	M/s. Jamkhandi Sugars Ltd., (Distillery Unit) At: Hirepadasalagi, Post: Naganur - 587301, Tq: Jamkhandi, Dist: Bagalkot
2.	Sample Type	:	Raw Spent Wash
3.	Sample Collected By	:	MSV Analytical Laboratories
4.	Sample Quantity	:	1 Liters
5.	Particulars of Sample Collected	:	Grab
6.	Sample Description/Condition	:	Good/satisfactory
7.	Date of Sample Receipt	:	14.03.2023
8.	Analysis Starting date	:	15.03.2023
9.	Analysis Completion Date	:	18.03.2023

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT
1	pH @ 25° C	APHA 23 rd Edition-2017, 4500 H+, B	-	4.29
2	Chloride as Cl	APHA 23 rd Edition-2017, 4500-Cl	mg/L	10250.0
3	Total solids	APHA 23 rd Edition-2017, 2540 C	mg/L	97110.0
4	Total Volatile solids	IS-3025(part 22)	mg/L	69020.0
5	Total Inorganic solids	IS-3025(part 18)	mg/L	78190.0
6	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025:1993(part 44) (RA 2009)	mg/L	41510.0
7	Chemical Oxygen Demand	APHA 23 rd Edition-2017, 5230 B	mg/L	138090.0
8	Sulphate as SO ₄	APHA 23 rd Edition-2017, 4500-SO ₄	mg/L	9125.0
9	Potash as K	APHA 23 rd EDITION-2017, 3500-K	mg/L	6230.0

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

:- END OF REPORT:-



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MSVAL/A/F/14/03

ANALYSIS REPORT OF WASTE WATER QUALITY

Test Report No: MSVAL/2023/4295

Report Issued Date: 18.03.2023

1. Name of the Project : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Type : Concentrated Spent Wash
3. Sample Collected By : MSV Analytical Laboratories
4. Sample Quantity : 1 Liters
5. Particulars of Sample Collected : Grab
6. Sample Description/Condition : Good/satisfactory
7. Date of Sample Receipt : 14.03.2023
8. Analysis Starting date : 15.03.2023
9. Analysis Completion Date : 18.03.2023

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT
1	pH @ 25° C	APHA 23 rd Edition-2017, 4500 H+, B	-	4.61
2	Chloride as Cl	APHA 23 rd Edition-2017, 4500-Cl	mg/L	12560.0
3	Total solids	APHA 23 rd Edition-2017, 2540 C	mg/L	100520.0
4	Total Volatile solids	IS-3025(part 22)	mg/L	42690.0
5	Total Inorganic solids	IS-3025(part 18)	mg/L	90900.0
6	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025:1993(part 44) (RA 2009)	mg/L	31540.0
7	Chemical Oxygen Demand	APHA 23 rd Edition-2017, 5230 B	mg/L	105480.0
8	Sulphate as SO ₄	APHA 23 rd Edition-2017, 4500-SO ₄	mg/L	6632.5
9	Potash as K	APHA 23 rd EDITION-2017, 3500-K	mg/L	7960.0

Analysed by



END OF REPORT

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

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