

Jamkhandi Sugars Ltd.,

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



CUG No. 7022022148 / 149

CIN No. U85110KA1993PLC014570

No: JSL/Mfg/KSPCB/Env- Audit-Sugar/2024-25/2264

Date: 30.09.2024

To,

**The Member Secretary
Head Office, Karnataka state pollution control Board
#49, "Parisara Bhavana" 4th and 5th Floor,
Church Street, Bangalore-560001**

Subject: - Submission of Environmental Statement For the financial year 2023-24-Reg.

R/sir,

With reference to the above subject, we are enclosing herewith the Environmental Statement for financial year 2023-24 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 M/s, Jamkhandi Sugars Limited

Authorized Signatory



Encl: Environmental Statement (Form 5) for the year 2023-24 with third party monitoring reports.

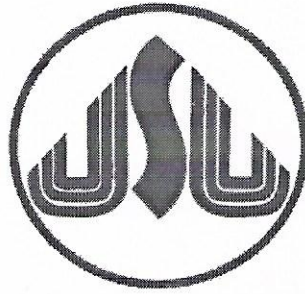
Copy To:

1. The Environmental Officer, Regional Office, Karnataka State Pollution Control Board, Sector No 7, Bypass Road, Navanagar, Bagalkot - 587101

2. The Senior Environmental Officer, Zonal Office, Karnataka State Pollution Control Board, Ground floor, Plot No 4, Lakkamanahalli Industrial Area, P.B Road, Dharwad - 580004.

**ENVIRONMENTAL STATEMENT FOR
THE FINANCIAL YEAR
2023-2024**

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 2024**

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-(STC CODE)-2000 Secondary-(STC 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	26.06.2023
vi.	No. of Employees	483 No's

	<i>Crushing season</i> <i>2022-23</i>	<i>Crushing season</i> <i>2023-24</i>
<i>Crushing in MT</i>	<i>1427443</i>	<i>1139272</i>
<i>Sugar in MT</i>	<i>111799</i>	<i>80315</i>
<i>Crop day</i>	<i>155</i>	<i>131</i>

PART-B

1) (a) Water Consumption in m³/day

Source	During the previous financial year 2022-23	During the current financial year 2023 -24
Process	152	138
Cooling (including washing and boiler feed)	608	580
Domestic	60	65

b) Water consumption per unit of out-put.

Name of the Product	Process water consumption per unit of Product Output M3/MT of sugar	
	During the previous financial year 2022-23	During the current financial year 2023-24
Sugar & process cooling	0.94	1.17
Domestic	0.08	0.10

ii. Raw Material Consumption

Raw Materials	Product	Consumption of raw material per unit of output	
		During the previous financial year 2022-23	During the current financial year 2023-24
Sugar Cane	Crystal white Sugar	12.7	14.18
Lime		0.011	0.014
O.P. Acid		0.00014	0.00028
Sulfur		0.00023	0.00046
Caustic Soda		0.0042	0.0052
Lubricants (Kgs/MT of Sugar cane crushed)		0.0014	0.0018

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 & 70 TPH Boiler with chimney of 90 mts, 57 mts & 80 mts pass through ESP & Wet scrubber respectively before emitting in to atmosphere • 720 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 2022-23	During the Current Financial Year 2023-24
a) From Process	170 Ltrs/ Annum used within the premises as lubricants	136 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 2022-23		During the Current Financial Year 2023-24	
1.					
	a) From Process	Ash	4567.24 MT	Ash	3524.65 MT
		Press mud	34258.60 MT	Press mud	20962.00 MT
	b) From Pollution Control facility (Organic Sludge)	ETP sludge 48 MT		ETP sludge 42 MT	
	c) Quantity recycled or reutilized within the unit	Bagasse = 304483 MT		Bagasse = 234978.44 MT	

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 720 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 136 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

1. 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.

2. 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.

3. 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 18 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: - 30.09.2024

Place: - Hirepadasalgi

For Jamkhandi Sugars Ltd



A handwritten signature in blue ink, appearing to be "S. S.", written over a horizontal line.

Authorized Signatory



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL
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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) : 9945456764, 08392-255169
Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



TC- 4071

MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : 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 sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
5. Duration of Monitoring : 8 Hours
6. Date of Monitoring : 14.02.2024
7. Date of Sample Receipt : 15.02.2024
8. Sample Code : 6426
9. Analysis Starting Date : 15.02.2024
10. Analysis Completion Date : 19.02.2024
11. Report Issue Date : 19.02.2024
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712400004133F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	75.20	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	31.69	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	6.54	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	12.10	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



Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test report unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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.



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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : Near Sugar House
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
5. Duration of Monitoring : 8 Hours
6. Date of Monitoring : 14.02.2024
7. Date of Sample Receipt : 15.02.2024
8. Sample Code : 6427
9. Analysis Starting Date : 15.02.2024
10. Analysis Completion Date : 19.02.2024
11. Report Issue Date : 19.02.2024
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407124000004134F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	69.30	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	25.84	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	6.01	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	11.73	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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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : 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 sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
- Duration of Monitoring : 8 Hours
- Date of Monitoring : 14.02.2024
- Date of Sample Receipt : 15.02.2024
- Sample Code : 6428
- Analysis Starting Date : 15.02.2024
- Analysis Completion Date : 19.02.2024
- Report Issue Date : 19.02.2024
- Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407124000004135F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	64.17	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	20.30	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	5.91	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	11.14	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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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : Near Cane Yard
3. Sample Collected By : MSV Analytical Laboratories
4. Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
5. Duration of Monitoring : 8 Hours
6. Date of Monitoring : 14.02.2024
7. Date of Sample Receipt : 15.02.2024
8. Sample Code : 6429
9. Analysis Starting Date : 15.02.2024
10. Analysis Completion Date : 19.02.2024
11. Report Issue Date : 19.02.2024
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407124000004136F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	87.10	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	38.62	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	7.18	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	13.05	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 ***



Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test report unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

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 Ballari jurisdiction only.



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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : 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 Monitoring : 14.02.2024
5. Date of Sample Receipt : 15.02.2024
6. Sample Code : 6430
7. Analysis Starting Date : 15.02.2024
8. Analysis Completion Date : 19.02.2024
9. Report Issue date : 19.02.2024

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC40712400004137F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Bagasse
Ambient Temperature (°C)	32
Stack Temperature (°C)	136
Velocity (m/s)	8.49
Height (m)	90
Diameter (m)	3.0
Cross sectional area (m ²)	7.0717

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-5182(Part-23)	mg/Nm ³	67.40	150
Sulphur dioxide	IS-5182(Part-23)	mg/Nm ³	13.88	100
Nitrogen dioxide	IS-5182(Part-23)	mg/Nm ³	33.20	50

INFERENCE	As per KSPCB 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, Pollution & Environment & Food samples will be discarded after 10 days. Gases and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Stack ID : 70 TPH Boiler
- Sample Collected By : MSV Analytical Laboratories
- Date of Monitoring : 14.02.2024
- Date of Sample Receipt : 15.02.2024
- Sample Code : 6431
- Analysis Starting Date : 15.02.2024
- Analysis Completion Date : 19.02.2024
- Report Issue date : 19.02.2024

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC40712400004138F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Bagasse
Ambient Temperature (°C)	32
Stack Temperature (°C)	129
Velocity (m/s)	8.18
Height (m)	56
Diameter (m)	3
Cross sectional area (m ²)	7.0717

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-5182(Part-23)	mg/Nm ³	58.70	150
Sulphur dioxide	IS-5182(Part-24)	mg/Nm ³	12.69	100
Nitrogen dioxide	IS-5182(Part-2)	mg/Nm ³	27.10	50

INFERENCE	As per KSPCB 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, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

3. This report is the property of MSV Analytical Laboratories & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing.



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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1. Name and Address of the Industry : 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 Monitoring : 14.02.2024
5. Date of Sample Receipt : 15.02.2024
6. Sample Code : 6432
7. Analysis Starting Date : 15.02.2024
8. Analysis Completion Date : 19.02.2024
9. Report Issue date : 19.02.2024

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC407124000004139F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Bagasse
Ambient Temperature (°C)	31
Stack Temperature (°C)	139
Velocity (m/s)	8.72
Height (m)	80
Diameter (m)	3.5
Cross sectional area (m ²)	9.6254

RESULTS

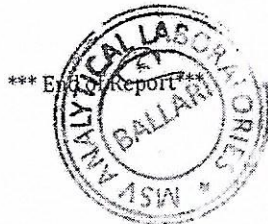
Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-5182(Part-23)	mg/Nm ³	62.50	150
Sulphur dioxide	IS-5182(Part-24)	mg/Nm ³	13.62	100
Nitrogen dioxide	IS-5182(Part-2)	mg/Nm ³	26.78	50

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

Analysed by

Authorized Signatory

E.Chinna Lingana Gouda
Chief executive of the laboratory





MSV Analytical Laboratories

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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample Collected : Noise meter
- Date of Monitoring : 14.02.2024
- Report Issue Date : 19.02.2024
- Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC40712400004140F

S.No	Sample Location	Sample Code ^a	Time Frequency	Results (Day time)			Permissible limits in dB(A) Leq
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	
1	Near Boiling House	6433	03.10pm to 03.25pm	69.3	66.4	67.6	75 (6.00am to 10.00pm)
2	Near Mill Station	6434	03.35pm to 03.50pm	65.9	62.6	64.5	
3	Near Sugar House	6435	04.00pm to 04.15pm	72.1	69.7	70.2	
4	Near Central Fugal	6436	04.25pm to 04.40pm	66.2	63.3	65.0	
5	Near Turbine	6437	04.50pm to 05.05pm	71.7	68.3	70.3	

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

Analysed by

Authorized Signatory

B. Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***





MSV Analytical Laboratories

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Email : msvbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvbellary.com



MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample Collected : Noise meter
- Date of Monitoring : 14.02.2024
- Report Issue Date : 19.02.2024
- Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC40712400004141F

S.No	Sample Location	Sample Code ^a	Time Frequency	Results (Night time)			Permissible limits in dB(A) Leq
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	
1	Near Boiling House	6438	10.15pm to 10.30pm	58.0	55.6	56.5	70 (10.00pm to 6.00am)
2	Near Mill Station	6439	10.40pm to 10.55pm	64.8	61.3	63.3	
3	Near Sugar House	6440	11.10pm to 11.25pm	61.7	58.4	60.0	
4	Near Central Fugal	6441	11.35pm to 11.50pm	65.4	62.2	64.2	
5	Near Turbine	6442	12.00am to 12.15am	66.1	59.9	63.7	

INFERENCE	As per KSPCB Standards, Report Status :- The Noise level for the all locations is within the limits
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Analysed by

Authorized Signatory

B. Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***



Note: 1. The results listed only to the tested samples & applicable parameters.

2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.

3. This report is valid only for the purpose mentioned in it. It should not be used in any advertising media without our special permission in writing.



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Email : msvlabellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvlabellary.com



TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

- Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Marked as : Treated water
- Name of the location : Effluent Treatment Plant
- Sample Collected By : MSV Analytical Laboratories
- Sample quantity : Pet Bottle, 2 Liter.
- Sample Description/condition : Water/Good
- Date of Sample Collection : 14.02.2024
- Date of sample receipt : 15.02.2024
- Sample Code : 6443
- Analysis Starting Date : 15.02.2024
- Analysis Completion Date : 19.02.2024
- Report Issue Date : 19.02.2024

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR NO: TC407124000004142F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT	Tolerance Limits (As per KSPCB Consent standards for Land for Irrigation)
1	Color	IS : 3025(part-4)	Hazen	<5	-
2	pH @ 25°C	4500 H+ B APHA 23 rd Edition	-	7.86	5.5 - 8.5
3	Oil & Grease	5520 D APHA 23 rd Edition	mg/L	<1.0	Max 10
4	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L	72.0	Max 100
5	Chemical Oxygen Demand	5230 B APHA 23 rd Edition	mg/L	228.0	-
6	Total Suspended solids	2540 F APHA 23 rd Edition	mg/L	46.0	Max 100
7	Total Dissolved solids	2540 C APHA 23 rd Edition	mg/L	1545.0	Max 2100
8	Chloride as Cl	4500 Cl B APHA 23 rd Edition	mg/L	199.3	-

INFERENCE	As per KSPCB Standards
	Report Status: - The analyzed values for above measured parameters 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/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Untreated water
3. Name of the location : Effluent Treatment Plant
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Water/Good
7. Date of Sample Collection : 14.02.2024
8. Date of sample receipt : 15.02.2024
9. Sample Code : 6444
10. Analysis Starting Date : 15.02.2024
11. Analysis Completion Date : 19.02.2024
12. Report Issue Date : 19.02.2024

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR NO: TC407124000004143F

S.NO	PARAMETERS	PROTOCOL	UNIT	RESULT
1	Color	IS : 3025(part-4)	Hazen	<10
2	pH @ 25°C	4500 H+ B APHA 23 rd Edition	-	6.02
3	Oil & Grease	5520 D APHA 23 rd Edition	mg/L	6.0
4	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025(part 44)	mg/L	814.0
5	Chemical Oxygen Demand	5230 B APHA 23 rd Edition	mg/L	2590.0
6	Total Suspended solids	2540 F APHA 23 rd Edition	mg/L	265.0
7	Total Dissolved solids	2540 C APHA 23 rd Edition	mg/L	3770.0
8	Chloride as Cl	4500 Cl B APHA 23 rd Edition	mg/L	385.2

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***



Note: 1. The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test report unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Borewell Water
3. Name of the location : Main Gate
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 14.02.2024
8. Date of sample receipt : 15.02.2024
9. Sample Code : 6445
10. Analysis Starting Date : 15.02.2024
11. Analysis Completion Date : 19.02.2024
12. Report Issue Date : 19.02.2024

Discipline: Chemical

Group: Water

Sub Group: Ground Water

ULR NO: TC407124000004144F

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color	IS 3025 (Part-4)	Hazen	<1.0	Max 5	Max 15
2	pH @ 25°C	IS 3025 (Part 11)	---	7.90	6.5-8.5	No Relaxation
3	Total dissolved solids	IS 3025 (Part 16)	mg/L	595.0	Max 500	Max 2000
4	Turbidity	IS 3025 (Part 10)	NTU	0.76	Max 1	Max 5
Chemical Parameters						
5	Total Alkalinity as CaCO ₃	IS 3025: (Part 23)	mg/L	174.3	Max 200	Max 600
6	Total Hardness as CaCO ₃	IS 3025 (Part 21)	mg/L	240.8	Max 200	Max 600
7	Nitrate (as NO ₃)	IS 3025 (Part 34)	mg/L	7.12	Max 45	No relaxation
8	Chloride (as Cl)	IS 3025 (Part 32)	mg/L	69.20	Max 250	Max 1000
9	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	35.81	Max 200	Max 400
10	Calcium (as Ca)	IS 3025 (Part 40)	mg/L	55.26	Max 75	Max 200
11	Magnesium (as Mg)	IS 3025 (Part 46)	mg/L	24.94	Max 30	Max 100
12	Fluoride (as F)	IS 3025 (Part 60)	mg/L	0.41	Max 1.0	Max 1.5
13	Iron (as Fe)	3120 B APHA 23 rd Edition	mg/L	<0.01	Max 0.3	No relaxation

INFERENCE As per IS 10500-2018 Standards,
Report Status: - The analyzed values for above measured parameters 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, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : River Water
3. Name of the location : Krishna River
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 2 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 14.02.2024
8. Date of sample receipt : 15.02.2024
9. Sample Code : 6446
10. Analysis Starting Date : 15.02.2024
11. Analysis Completion Date : 19.02.2024
12. Report Issue Date : 19.02.2024

Discipline: Chemical Group: Water Sub Group: Surface Water ULR NO: TC407124000004145F

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color	IS 3025 (Part-4)	Hazen	<1.0	Max 5	Max 15
2	pH @ 25°C	IS 3025 (Part 11)	---	7.12	6.5-8.5	No Relaxation
3	Total dissolved solids	IS 3025 (Part 16)	mg/L	416.0	Max 500	Max 2000
4	Turbidity	IS 3025 (Part 10)	NTU	0.78	Max 1	Max 5
Chemical Parameters						
5	Total Alkalinity as CaCO ₃	IS 3025: (Part 23)	mg/L	130.6	Max 200	Max 600
6	Total Hardness as CaCO ₃	IS 3025 (Part 21)	mg/L	195.7	Max 200	Max 600
7	Nitrate (as NO ₃)	IS 3025 (Part 34)	mg/L	3.20	Max 45	No relaxation
8	Chloride (as Cl)	IS 3025 (Part 32)	mg/L	41.68	Max 250	Max 1000
9	Sulphate (as SO ₄)	IS 3025 (Part 24)	mg/L	21.50	Max 200	Max 400
10	Calcium (as Ca)	IS 3025 (Part 40)	mg/L	34.79	Max 75	Max 200
11	Magnesium (as Mg)	IS 3025 (Part 46)	mg/L	26.42	Max 30	Max 100
12	Fluoride (as F)	IS 3025 (Part 60)	mg/L	0.30	Max 1.0	Max 1.5
13	Iron (as Fe)	3120 B APHA 23 rd Edition	mg/L	<0.01	Max 0.3	No relaxation

INFERENCE	As per IS 10500-2018 Standards, Report Status: - The analyzed values for above measured parameters are within the limits.
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***





MSV Analytical Laboratories

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Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com



TC- 4071

MSVAL/S&R/RF/01/00

ANALYSIS REPORT OF SOIL QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Soil Sample
3. Name of the location : Near ETP Plant
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : 1 Kg Bag
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 14.02.2024
8. Date of sample receipt : 15.02.2024
9. Sample Code : 6447
10. Analysis Starting Date : 15.02.2024
11. Analysis Completion Date : 19.02.2024
12. Report Issue Date : 19.02.2024

Discipline: Chemical

Group: Soil & Rock

Sub Group: Soils

ULR NO: TC407124000004146F

S.NO	PARAMETERS	UNIT	PROTOCOL	RESULT
1	pH	-	IS 2720(Part 26)	6.98
2	Electrical Conductivity	µs/cm	IS 14767: 2021	212.0
3	Total Organic Carbon	%	IS 2720:2020	0.35
4	Available Nitrogen	Kg/ha	IS 14684:2019	221.5
5	Available Phosphorous	Kg/ha	Lab SOP: MSVAL/SOP/S-06	30.8
6	Potassium as K ₂ O	Kg/ha	IS 9497:2020	174.2

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***



Note: 1. The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports unless otherwise specified. ILC samples will be discarded after 1 month from the date of test reports.
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TC- 4071

MSVAL/S&R/RF/01/00

ANALYSIS REPORT OF SOIL QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd.,
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Press Mud
3. Name of the location : -
4. Sample Collected By : Customer
5. Sample quantity : 1 Kg Bag
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 14.02.2024
8. Date of sample receipt : 15.02.2024
9. Sample Code : 6448
10. Analysis Starting Date : 15.02.2024
11. Analysis Completion Date : 19.02.2024
12. Report Issue Date : 19.02.2024

Discipline: Chemical

Group: Soil & Rock

Sub Group: Soils

ULR NO: TC407124000004147F

S.NO	PARAMETERS	UNIT	PROTOCOL	RESULT
1	pH	-	IS 2720(Part 26)	6.58
2	Electrical Conductivity	µs/cm	IS 14767: 2021	51.0
3	Total Organic Carbon	%	IS 2720:2020	1.25
4	Available Nitrogen	%	IS 14684:2019	1.79
5	Available Phosphorous	%	Lab SOP: MSVAL/SOP/S-06	2.90
6	Potassium as K ₂ O	%	IS 9497:2020	1.08

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

