



Jamkhandi Sugars Ltd.
ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.
GSTIN No : 29AAACJ8575C1ZD

No: JSL/Mfg/KSPCB/Env- Audit-Dist/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" (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 M/s, Jamkhandi Sugars Limited
(Distillery Division)

Authorized Signatory



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

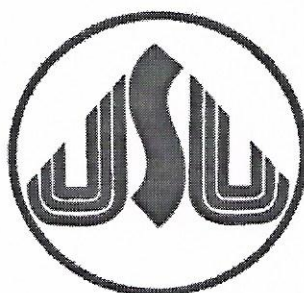
Copy To:

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., Distillery Division

**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.Distillery Division 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	60 + 90 KLPD Total spirit
IV	Year of establishment	December-2017
V	Date of Last Environmental statement submitted.	26.06.2023
VI	No. of Employees	105

PART-B

Water and Raw Material Consumption

1. Water Consumption (cum/day)

Source	During the Previous financial year 2022-23	During the current financial year 2023-24
Process	580	565
Cooling (including washing and boiler feed)	122	120
Domestic	05	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 2022-23	During the current financial year 2023-24
Rectified Spirit/Ethanol	4.01	4.30

3. Raw Material Consumption:

Raw Material	Product	Consumption of raw material per unit of output	
		During the previous financial year 2022-23	During the current financial year 2023-24
Molasses	Ethanol	3.43	3.15
Yeast used kg		0.00071	0.00069
Urea		--	--
DAP		--	--
Antifoam kg		0.00059	0.00052
Bleaching power		----	----
Steam/KL		510	525
Power (KWH/KL)		475	512
Total Yeast Sludge	By -Product	2122	2250
	Fusel oil	Nil	NIL

Product	Total quantity produced in liters 2022-23	Total quantity produced in liters 2023-24
Rectified Spirit	0.0	0.0
Extra Neutral Alcohol	0.0	0.0
Impure Alcohol	0.0	0.0
Ethanol	44778057.00	32797202
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)	422	Nil	NA	Spent wash generated after Multiple effect Evaporation is utilized in incineration Boiler as a fuel.
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 2021-22	During the Current Financial Year 2022-23
a) From Process	NIL	NIL
b) From Pollution Control facilities		

PART-E

SOLID WASTE

SL.NO	Solid waste	Total Quantity	
		During the previous Financial Year 2022-23	During the Current Financial Year 2023-24
a)	From Process (by products) 1) Yeast Sludge	2122	2250
b)	From Pollution Control facility 1) Ash	4100	4050
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

1015 KL/Day spent wash is concentrated in two stage evaporation system and is utilized in the incineration boiler as a fuel.

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. ESP and 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 lees. The RO outlet 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: - 30.09.2024

Place: - Hirepadasalgi

**For Jamkhandi Sugars Ltd
(Distillery Division)**




Authorized Signatory



MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

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 : msvallbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvallbellary.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., (Distillery Unit)
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 : 27.03.2024
7. Date of Sample Receipt : 28.03.2024
8. Sample Code : 11114
9. Analysis Starting Date : 28.03.2024
10. Analysis Completion Date : 01.04.2024
11. Report Issue Date : 01.04.2024
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407124000007638F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	72.18	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	31.42	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	7.39	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	12.05	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 ***

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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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., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Name of the location : Near CPU Unit
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 : 27.03.2024
7. Date of Sample Receipt : 28.03.2024
8. Sample Code : 11115
9. Analysis Starting Date : 28.03.2024
10. Analysis Completion Date : 01.04.2024
11. Report Issue Date : 01.04.2024
12. Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407124000007639F

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM ₁₀	IS-5182(Part-23)	µg / m ³	61.38	100
2	Particulate Matter PM _{2.5}	IS-5182(Part-24)	µg / m ³	26.04	60
3	Sulphur Dioxide as SO _x	IS-5182(Part-2)	µg / m ³	6.05	80
4	Oxides of Nitrogen as NO _x	IS-5182(Part-6)	µg / m ³	12.01	80

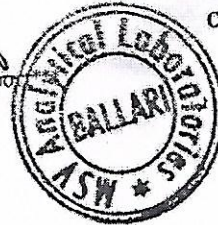
INFERENCE	As per NAAQS Standards, Report Status :- The analyzed values for above measured parameter are within the limits
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Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***





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



MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

- Name and Address of the Industry : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Stack ID : 22+23 TPH Boiler
- Sample Collected By : MSV Analytical Laboratories
- Date of Monitoring : 27.03.2024
- Date of Sample Receipt : 28.03.2024
- Sample Code : 11116
- Analysis Starting Date : 28.03.2024
- Analysis Completion Date : 01.04.2024
- Report Issue date : 01.04.2024

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Stack emission ULR No: TC40712400007640F

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Coal/Bagasse/Conc. Spent wash
Ambient Temperature (°C)	35
Stack Temperature (°C)	131
Velocity (m/s)	8.93
Height (m)	80
Diameter (m)	3.5
Cross sectional area (m ²)	9.6254

RESULTS

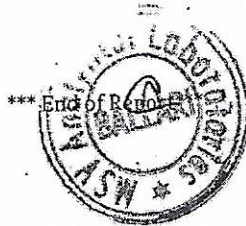
Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-5182(Part-23)	mg/Nm ³	64.38	150
Sulphur dioxide	IS-5182(Part-24)	mg/Nm ³	12.74	-
Nitrogen dioxide	IS-5182(Part-2)	mg/Nm ³	29.06	-

INFERENCE	As per KSPCB 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 : 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., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample Collected : Noise meter
- Date of Monitoring : 27.03.2024
- Report Issue Date : 01.04.2024
- Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC407124000007641F

S.No	Sample Location	Sample Code	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 Main Gate	11117	03.05pm to 03.20pm	73.6	69.1	71.8	75 (6.00am to 10.00pm)
2	Near Evaporation Section	11118	03.30pm to 03.45pm	72.7	68.9	70.1	
3	Near Distillation	11119	04.00pm to 04.15pm	69.1	66.8	68.3	
4	Near Laboratory	11120	04.25pm to 04.40pm	69.4	66.3	68.2	
5	Near Wear House	11121	04.50pm to 05.05pm	72.9	69.8	70.9	

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 ***





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., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample Collected : Noise meter
- Date of Monitoring : 27.03.2024
- Report Issue Date : 01.04.2024
- Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC407124000007642F

S.No	Sample Location	Sample Code	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 Main Gate	11122	10.05pm to 10.20pm	67.1	64.8	65.3	70 (10.00pm to 6.00am)
2	Near Evaporation Section	11123	10.30pm to 10.45pm	68.8	65.1	67.1	
3	Near Distillation	11124	10.55pm to 11.10pm	64.5	67.3	66.4	
4	Near Laboratory	11125	11.20pm to 11.35pm	66.1	64.4	65.9	
5	Near Wear House	11126	11.45pm to 12.00am	68.7	65.7	67.5	

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 ***





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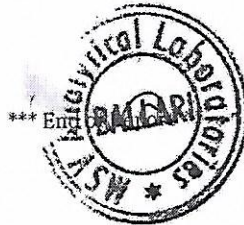
ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Jamakhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Raw Spent Wash
3. Name of the location : Factory Premises
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 : 27.03.2024
8. Date of sample receipt : 28.03.2024
9. Sample Code : 10683
10. Analysis Starting Date : 28.03.2024
11. Analysis Completion Date : 01.04.2024
12. Report Issue Date : 01.04.2024

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR NO: TC407124000007481F

S.no	Parameters	Protocol	Unit	Result
1	pH @ 25° C	4500 H+ B APHA 23 rd Edition	-	5.10
2	Chloride as Cl	4500-Cl APHA 23 rd Edition	mg/L	17060.0
3	Total solids	2540 C APHA 23 rd Edition	mg/L	117140.0
4	Total Volatile solids	IS-3025(part 22)	mg/L	93510.0
5	Total Inorganic solids	IS-3025(part 18)	mg/L	98728.0
6	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025:1993(part 44)	mg/L	47030.0
7	Chemical Oxygen Demand	5230 B APHA 23 rd Edition	mg/L	135990.0
8	Sulphate as SO ₄	4500-SO ₄ APHA 23 rd Edition	mg/L	8116.0
9	Potash as K	3500-K APHA 23 rd Edition	mg/L	4098.0

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 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 : msvabellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvabellary.com



MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Jamkhandi Sugars Ltd., (Distillery Unit)
At: Hirepadasalagi, Post: Naganur - 587301,
Tq: Jamkhandi, Dist: Bagalkot
2. Sample Marked as : Concentrated Spent Wash
3. Name of the location : Factory Premises
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 : 27.03.2024
8. Date of sample receipt : 28.03.2024
9. Sample Code : 10864
10. Analysis Starting Date : 28.03.2024
11. Analysis Completion Date : 01.04.2024
12. Report Issue Date : 01.04.2024

Discipline: Chemical Group: Pollution & Environment Sub Group: Waste Water ULR NO: TC407124000007482F

S.no	Parameters	Protocol	Unit	Result
1	pH @ 25° C	4500 H+ B APHA 23 rd Edition	-	5.09
2	Chloride as Cl	4500-Cl APHA 23 rd Edition	mg/L	16122.0
3	Total solids	2540 C APHA 23 rd Edition	mg/L	125100.0
4	Total Volatile solids	IS-3025(part 22)	mg/L	51360.0
5	Total Inorganic solids	IS-3025(part 18)	mg/L	67140.0
6	Bio-chemical Oxygen Demand (3 days at 27°C)	IS-3025:1993(part 44)	mg/L	32690.0
7	Chemical Oxygen Demand	5230 B APHA 23 rd Edition	mg/L	101450.0
8	Sulphate as SO ₄	4500-SO ₄ APHA 23 rd Edition	mg/L	5996.0
9	Potash as K	3500-K APHA 23 rd Edition	mg/L	3542.0

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.

