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	TEST R	EPORT			
Test Report No: -	GESEC/AAQM/2022-23/02/606		Report	27/02/2023	
Sample ID: -	GESEC/AAQM/2022-23/02/606		Date	27/02/2023	
Name & Address of the Customer	M/s. Athani Sugars Ltd., Bamba		Plant)		
Value & Address of the customer	Bambawade, Tal.: Shahuwadi, I				
	Ambient Air S			- "	
Туре	•	Sampling Location			done by
Ambient Air		lain Gate		GES	EC
	Samplin				
Start Time		Time		Total	
02:10 P.M.		10 PM		480 1	VIIN
	Metrological Data/Env			16	0
Ambient Temperature °C	33.0	Wet Bulb Tempe		16.	
Dry Bulb Temperature °C	33.0	Relative Humid	lity % RH	13.	5
Date of Sampling	Sample Receipt Date Analysis Start		t Date	Analysis End Date	
21/02/2023	23/02/2023	24/02/2023		27/02/2023	
Name of Instrument	High Volume Sampler Date Of Calibration		19/10/2022		
Calibration Certificate No.	SSEC/FF/1528	0		18/10/2023	
	0000,,				
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):	2019	μg/m³	100.00	62.36
Particulate Matter (PM _{2.5})	IS:5182 (PART 24)		μg/m³	60.00	24.81
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):		μg/m³	80.00	15.42
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):	2018	μg/m³	80.00	22.96
Carbon Monoxide (CO)	MASA-822 3rd Ed		mg/m³	04.00	00.35
Ozone(O ₃)	Method 411, Air Sampling and ,2013	Analysis 3 rd Edition	μg/m³	180.00	32.10
Lead (Pb)	MASA-822 3rd Ed	dition	μg/m3	01.00	BDL
Ammonia(NH ₃)	Method 401, Air Sampling and ,2013		μg/m³	400.00	12.86
Benzene(C ₆ H ₆)	IS 5182 (Part 11) :2006	(RA 2017)	μg/m³	05.00	BDL
Benzo(a)Pyrene(BaP)	CPCB Manual Vol		ng/m³	01.00	BDL
Arsenic(As)	MASA-822 3rd Ed	dition	ng/m³	06.00	BDL
Nickel(Ni)	MASA-822 3rd Ed	dition	ng/m³	20.00	BDL
Hydrocarbons	IS 5182 (Part 17):	2019	μg/m³		21.59

Remark

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B – 29016 / 20 / 90 / PCI – I, New Delhi, the 18th November 2009.

BDL - Below Detectable Limit.

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		REPORT			
Test Report No: -	GESEC/AAQM/2022-23/02/607		Report Date	27/02/2023	
Sample ID: -	GESEC/AAQM/2022-23/02/607		Report Bute	27,02,2023	
	M/s. Athani Sugars Ltd., Bamba	wade Unit (Distille	ry Plant)		
Name & Address of the Customer	Bambawade, Tal.: Shahuwadi, I		, , ,		
	Ambient Air 6	Sample Details			
Туре		ng Location		Sampling	done by
Ambient Air		Near Store			
		ng Time		GES	
Start Time		p Time		Total	Hrs.
02:20 P.M.		20 PM		480 1	Vlin
	Metrological Data/Env		ons		
Ambient Temperature oc	33.0 Wet Bulb Temp			16.	.0
Dry Bulb Temperature oc	33.0			13.5	
Date of Sampling	Sample Receipt Date Analysis Start		tart Date	Analysis End Date	
21/02/2023	23/02/2023	24/02/2023		27/02/2023	
Name of Instrument		Respirable Dust Sampler Date Of Calibration		19/10/2022	
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration		18/10/2023	
Parameters	Method		Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2	019	μg/m³	100.00	60.23
Particulate Matter (PM _{2.5})	IS:5182 (PART 24)::	2019	μg/m³	60.00	21.75
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2	017	μg/m³	80.00	13.08
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6):2	018	μg/m³	80.00	18.62
Carbon Monoxide (CO)	MASA-822 3rd Edi	tion	mg/m³	04.00	00.25
Ozone(O ₃)	Method 411, Air Sampling and A	nalysis 3 rd Edition	μg/m³	180.00	30.89
Lead (Pb)	MASA-822 3rd Edi	tion	μg/m3	01.00	BDL
Ammonia(NH₃)	Method 401, Air Sampling and A	nalysis 3 rd Edition	μg/m³	400.00	12.86
Benzene(C ₆ H ₆)	IS 5182 (Part 11) :2006	(RA 2017)	μg/m³	05.00	BDL
Benzo(a)Pyrene(BaP)	CPCB Manual Vol 1	2011	ng/m³	01.00	BDL
Arsenic(As)	MASA-822 3rd Edi	tion	ng/m³	06.00	BDL
Nickel(Ni)	MASA-822 3rd Edi	tion	ng/m³	20.00	BDL
Hydrocarbons	IS 5182 (Part 17):2	019	μg/m³		18.50

Remark:-

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B - 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.



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			Report		
Test Report No	GESEC/ST/2022-23/02/608		Date	27/02/2023	
Sample ID -	GESEC/ST/2022-23/02/608				
Name & Address of the Customer	M/s. Athani Sugars Ltd., Bamba Bambawade, Tal.: Shahuwadi, I		y Plant)		
	Sample De	tails	*		
Sample collection Date	Sample receipt Date	Analysis sta	rt Date	Analysis complete Date	
21/02/2023	23/02/2023	24/02/2	023	27/02/2023	
	Instrument D	etails		ω.	
Name Of Instrument	Stack Monitoring Kit	Date Of Calibration		17/10/2022	
Calibration Certificate No.	SEC/TH/57	Due Date of Calibration		16/10/2023	
2 4	Stack Deta	ails		8.	
Stack No/ID	Stack A	ttached to		Sampling done by	
01	Distillery Boile	er Stack (35 TPH)		GESEC	
Shape	Round	Fuel Us	ed	Bagasse	
Diameter/ Dimensions (m)	3.00	Pressure (mn	n of WG)	3.00	
Height (m)	-	80			
Temperature (°C)	130	Velocity (m/s)	6.60	
Gas Volume (Nm³/Hr)		124374.0	52	8	
Parameters	Method	Unit	MPCB Limit	t Result	
Total Particulate Matter (TPM)	IS 11255 (Part 1) 2019	mg/Nm³	150	38.83	
		mg/Nm³	-	28.50	
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	Kg/day		85.07	
Nitrogen Dioxide (NO ₂)	IS 11255 (Part 7) 2017	mg/Nm³	-	11.96	
	13 11233 (Fait /) 201/	Kg/day	-	35.70	

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		TEST REPO	RT		9	
Test Report No: -	GESEC/A	ANLM/2022-23/02/609)	Report Date	27/02/2023	
Name & Address of the Customer		nani Sugars Ltd., Bamb vade, Tal.: Shahuwadi,		ry Plant)	1	
		Ambient Noise Sam	ple Details			
Туре	Ambient	: Noise				
Sampling done by	GESEC					
Standard method	As Per IS	: 9989:2020			*	
Date of Sampling	Sample Receipt Date Analysis Start Date		Analysis End Date			
21/02/2023						
Name Of Instrument	Digital	Sound Level Meter	Date Of	Calibration	17/10/2022	
Calibration Certificate No.		SSEC/ME/266	Due Date	of Calibration	16/10/2023	
		9	Average Nois	e Level Readings	CPCB Standards	
Test Location		Unit	Day (04:.00 P.M.)	Night (10:30 P.M)	dB(A)	
ar Main Gate		dB(A)	62.3	61.1	75 & 70	

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Central Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during

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the Night Time.

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		TEST R	EPORT		
Test Report No: -	GESEC/W	/NLM/2022-23/0	2/610	Report Date	27/02/2023
Name & Address of the Customer			ambawade Unit (Dis vadi, Dist.: Kolhapur	tillery Plant)	
	,e	Work Zone Noise	Sample Details		
Type	Work Zoi	ne Noise	•		
Sampling done by	GESEC		,		
Standard method	As Per IS:	9989:2020			
Date of Sampling	Sample	Receipt Date	Analysis 9	Start Date	Analysis End Date
21/02/2023	Sample				
Name of Instrument	Sour	nd Level Meter	Date of	Calibration	07/10/2022
Calibration Certificate No.	SS	SEC/ME/259	Due Date	of Calibration	06/10/2023
	V = 1	Average N		Level Readings	The Factories Act 1948
Test Location	2 1 1	Unit	Day (04:.30 P.M.)	Night (11:30 P.M)	standards
istillation Area		dB(A)	80.2	79.1	≤ 90

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Test Report No: GESEC/WW/2022-23/02/611	TEST REPORT			
Sample ID- GESEC/WW/2022-23/02/611	Report Date		27/02/2023	
	Sample Details		RAW SPENT WASH SAMPLE	
	Type of Sample	!	Untreated	
Name and Address Of the Customer:	Volume Of Sam	ple	1 Lit Plastic Bottle+ 1 lit Glass Bottle	
M/s. Athani Sugars Ltd., Bambawade Unit	Sample Status		Sealed	
(Distillery Plant)	Sample Collect	ed By	GESEC	
ambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Date of Sample	Collection	21/02/2023	
	Sample Receipt		23/02/2023	
	Analysis start D		24/02/2023	
	Analysis End Da	ate	27/02/2023	
Parameters	Results	Unit	Standard Method	
Temp	28.0	°C	IS 3025 (Part 4) : 1983	
Color	Brown		IS 3025 (Part 4) : 1983	
pH	3.00		APHA 4500 H+,B 23rd Edition.2017	
Total Solids	130125.69	mg/lit	APHA 2540 D 23rd ED:2017	
Total Dissolved Solids	129709.71	mg/lit	APHA 2540,C,23rd Edition, 2017	
Total Suspended Solids	415.98	mg/lit	APHA 2540 D 23rd ED:2017	
Total Volatile Solids	32569.87	mg/lit	IS 3025 (Part 22): 2019	
Chemical Oxygen Demand	125471.03	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (27oC for 3 days)	69251.49	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	25412.72	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO₄	18956.20	mg/lit	APHA 3025 (Part 24) ;2019	
Oil and Grease	28.50	mg/lit	IS 3025 (Part 39), 2019	
Potassium	13625.44	mg/lit	APHA 4500 K, 23rd Edition.2017	
Total Kjeldahl Nitrogen	9587.31	mg/lit	APHA 4500 No2 ,C 23rd Edition.2017	

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	TEST REPORT		
Test Report No: GESEC/WW/2022-23/02/612	Report Date		27/02/2023
Sample ID : GESEC/WW/2022-23/02/612	Sample Details		CONCENTRATED SPENT WASH
,	Type of Sample		Untreated
	Volume Of Sam	ple	1 Lit Plastic Bottle+ 1 lit Glass Bottle
Name and Address Of the Customer:	Sample Status		Sealed
M/s. Athani Sugars Ltd., Bambawade Unit	Sample Collecte	ed By	GESEC
(Distillery Plant)	Date of Sample	Collection	21/02/2023
Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Sample Receipt	Date	23/02/2023
	Analysis start D	ate	24/02/2023
	Analysis End Da	te	27/02/2023
Parameters	Results	Unit	Standard Method
Temp	29.0	оС	IS 3025 (Part 4): 1983
Color	Dark Brown	()	IS 3025 (Part 4) : 1983
рН	2.25	Same .	APHA 4500 H+,B 23rd Edition.2017
Total Solids	249865.17	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids	248990.55	mg/lit	APHA 2540,C,23rd Edition, 2017
Total Suspended Solids	874.62	mg/lit	APHA 2540 D 23rd ED:2017
Total Volatile Solids	10263.57	mg/lit	IS 3025 (Part 22): 2019
Chemical Oxygen Demand	230154.04	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (27oC for 3 days)	113457.89	mg/lit	IS 3025 (Part 44), 2019
Chlorides as Cl-	55623.70	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄	35621.41	mg/lit	APHA 3025 (Part 24) ;2019
Oil and Grease	805.67	mg/lit	IS 3025 (Part 39), 2019
Potassium	5261.34	mg/lit	APHA 4500 K, 23rd Edition.2017
Total Kjeldahl Nitrogen	13589.75	mg/lit	APHA 4500 No2 ,C 23rd Edition.2017

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	TEST REPORT			
Test Report No: GESEC/WW/2022-23/02/613	Report Date	2	27/02/2023	
Sample ID: GESEC/WW/2022-23/02/613	Sample Det	ails	CPU Inlet	
	Type of Sample		Waste Water	
	Volume Of	Sample	1 Lit plastic bottle	
Name and Address Of the Customer:	Sample Stat	tus	Sealed	
M/s. Athani Sugars Ltd., Bambawade Unit (Distillery	Sample Col	ected By	GESEC	
Plant) Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Date of San Collection	nple	21/02/2023	
,	Sample Rec	eipt Date	23/02/2023	
	Analysis sta	rt Date	24/02/2023	
	Analysis End Date		27/02/2023	
Parameters	Results	Unit	Standard Method	
рН	4.00		APHA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	33.95	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Dissolved Solids (TDS)	1874.81	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	2653.04	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (BOD)	1142.97	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl -	82.40	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO ₄	59.68	mg/lit	APHA 3025 (Part 24) ;2019	
Ammoniac Nitrogen	13.25	mg/lit	APHA 4500 N-NH3,C 23rd Edition.2017	
Methane	BDL	mg/lit	USEPA 524.2	
Hydrogen Sulphide	BDL	mg/lit	IS 3025 (Part 29), 2019	

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		TEST REPORT		
Test Report No: GESEC/WW/2022-23/0	02/614	Report Date		27/02/2023
Sample ID: GESEC/WW/2022-23/02/6	14	Sample Details		CPU Outlet
	al Control	Type of Sample	i i	Waste Water
		Volume Of Sample		1 Lit plastic bottle
N		Sample Status		Sealed
Name and Address Of the Customer: M/s. Athani Sugars Ltd., Bambawade U	nit	Sample Collected By		GESEC
(Distillery Plant) Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur		Date of Sample Collection		21/02/2023
		Sample Receipt Date		23/02/2023
		Analysis start Date		24/02/2023
*		Analysis End Date	27/02/2023	
Parameters	Results	SPCB LIMIT	Unit	Standard Method
рН	7.29	5.5 - 9.0		APHA 4500 H+,B 23rd Edition.2017
Suspended Solids (SS)	16.24	100	mg/lit	APHA 2540 D 23 rd ED:2017
Total Dissolved Solids (TDS)	325.87	2100	mg/lit	APHA 2540,C,23rd Edition, 2017
Chemical Oxygen Demand (COD)	36.52	250	mg/lit	IS 3025 (Part 58) , 2019
Biochemical Oxygen Demand (BOD)	14.77	100	mg/lit	IS 3025 (Part 44), 2019
Chlorides as CI -	45.10	600	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017
Sulphates as SO ₄	29.83	1000	mg/lit	APHA 3025 (Part 24) ;2019
Ammoniac Nitrogen	BDL	50	mg/lit	APHA 4500 N-NH3,C 23rd Edition.2017
Methane	BDL		mg/lit	USEPA 524.2
Hydrogen Sulphide	BDL		mg/lit	IS 3025 (Part 29), 2019

BDL - Below Detectable Limit.

All parameters are within the MPCB limit.

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- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- 5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

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	TEST F	REPORT				
Test Report No: -	GESEC/AAQM/2022-23/03/	421	Report	25/03/2023	2	
Sample ID: -	GESEC/AAQM/2022-23/03/	421	Date	23/03/202		
			ml\			
Name & Address of the	M/s. Athani Sugars Ltd., Ba		illery Plant)			
Customer	Bambawade, Tal.: Shahuwa	The second secon				
		Sample Details		Sampling of	lono by	
Туре		Sampling Location Near Main Gate				
Ambient Air				GESE	:	
Charle Time		ng Time		Total I	Hrc	
Start Time		p Time :00 PM		480 N		
10:00 A.M.			tions	400 10	71111	
Ambient Temperature °C		Meteorological Data/Environmental Conditions 25.0 Wet Bulb Temperature °C		18.0	0	
Dry Bulb Temperature °C	25.0	Relative Humi		50.:		
Dry Buib Temperature C	23.0	Kelative Halling	arcy 70 Km	30		
Date of Sampling	Sample Receipt Date	Analysis Start Date		Analysis End Date		
20/03/2023	21/03/2023	03/2023 21/03/2023		25/03/2023		
				10/10/		
Name of Instrument	High Volume Sampler	Date Of Calibration		19/10/2022		
Calibration Certificate No.	SSEC/FF/1528	Due Date of Calibration		18/10/2023		
Parameters	Method		Unit	NAAQ Standards	Result	
Particulate Matter (PM ₁₀)	IS:5182 (PART 4	ł):2019	μg/m³	100.00	61.86	
Particulate Matter (PM _{2.5})	IS:5182 (PART 2		μg/m³	60.00	22.95	
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2		μg/m³	80.00	14.23	
Oxides of Nitrogen(NO _x)	IS:5182 (PART 6		μg/m³	80.00	20.78	
Carbon Monoxide (CO)	MASA-822 3rd		mg/m³	04.00	00.40	
Ozone(O ₃)	Method 411, Air Samplin Edition ,20	g and Analysis 3 rd	μg/m³	180.00	29.12	
Lead (Pb)	MASA-822 3rd		μg/m3	01.00	BDL	
Ammonia(NH₃)	Method 401, Air Samplin Edition ,20		μg/m³	400.00	10.55	
Benzene(C ₆ H ₆)	IS 5182 (Part 11) :20		μg/m³	05.00	BDL	
Benzo(a)Pyrene(BaP)	CPCB Manual Vo	ol 1 2011	ng/m³	01.00	BDL	
Arsenic(As)	MASA-822 3rd	Edition	ng/m³	06.00	BDL	
Nickel(Ni)	MASA-822 3rd	Edition	ng/m³	20.00	BDL	
Hydrocarbons	IS 5182 (Part 1	7):2019	μg/m³		20.69	

Remark

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B – 29016 / 20 / 90 / PCI - I, New Delhi, the 18th November 2009.

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BDL - Below Detectable Limit.

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	TEST F	EPORT		
Test Report No: -	GESEC/AAQM/2022-23/03/	122 Banart Data	25/02/2022	
Sample ID: -	GESEC/AAQM/2022-23/03/	Report Date	25/03/2023	
Name & Address of the	M/s. Athani Sugars Ltd., Bar	nbawade Unit (Distillery Plant)		
Customer	Bambawade, Tal.: Shahuwa			
	Ambient Air	Sample Details		
Туре		Sampling Location		lone by
Ambient Air	Near Store		GESE	C
	Sampli	ng Time	•	
Start Time	Stop Time		Total H	irs.
10:10 A.M.	06:10 PM		480 N	1in
	Meteorological Data/E	nvironmental Conditions		
Ambient Temperature oc	25.0	Wet Bulb Temperature °C	18.0)
Dry Bulb Temperature oc	25.0	Relative Humidity % RH	50.3	3
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis E	nd Date
20/03/2023	21/03/2023	21/03/2023	25/03/2	2023
Name of Instrument	Respirable Dust Sampler	Date Of Calibration	19/10/2	2022
Calibration Certificate No.	SSEC/FF/1525	Due Date of Calibration	18/10/2	2023
	Mathad	Unit	NAAQ	Result

Parameters	Method	Unit	NAAQ Standards	Result
Particulate Matter (PM ₁₀)	IS:5182 (PART 4):2019	μg/m³	100.00	60.83
Particulate Matter (PM _{2.5})	IS:5182 (PART 24):2019	μg/m³	60.00	21.47
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	μg/m³	80.00	13.59
Oxides of Nitrogen(NOx)	IS:5182 (PART 6):2018	μg/m³	80.00	18.03
Carbon Monoxide (CO)	MASA-822 3rd Edition	mg/m³	04.00	00.39
Ozone(O₃)	Method 411, Air Sampling and Analysis 3 rd Edition ,2013	μg/m³	180.00	24.12
Lead (Pb)	MASA-822 3rd Edition	μg/m3	01.00	BDL
Ammonia(NH₃)	Method 401, Air Sampling and Analysis 3 rd Edition ,2013	μg/m³	400.00	8.46
Benzene(C ₆ H ₆)	IS 5182 (Part 11) :2006 (RA 2017)	μg/m³	05.00	BDL
Benzo(a)Pyrene(BaP)	CPCB Manual Vol 1 2011	ng/m³	01.00	BDL
Arsenic(As)	MASA-822 3rd Edition	ng/m³	06.00	BDL
Nickel(Ni)	MASA-822 3rd Edition	ng/m³	20.00	BDL
Hydrocarbons	IS 5182 (Part 17):2019	μg/m³		18.45

Remark:-

NAAQS - National Ambient Air Quality Standards, Central Pollution Control Board Notification, No.B – 29016 / 20 / 90

/ PCI - I, New Delhi, the 18th November 2009.

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	TEST R	EPORT			
Test Report No	GESEC/ST/2022-23/03/4	23	Report Date	25/03/2023	
Sample ID -	GESEC/ST/2022-23/03/4	23			
Name & Address of the Customer	M/s. Athani Sugars Ltd., Bambawade Unit (Distillery Plant) Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur				
>	Sample	Details			
Sample collection Date	Sample receipt Date	e Analysis start Date		Analysis complete Date	
20/03/2023	21/03/2023	21/03/2	023	25/03/2023	
	Instrume	nt Details			
Name Of Instrument	Stack Monitoring Kit	Date Of Cali	bration	17/10/2022	
Calibration Certificate No.	SEC/TH/57	Due Date of C	alibration	16/10/2023	
	Stack	Details			
Stack No/ID	Stack Attached to		Sampling done by		
01	Distillery E	Distillery Boiler Stack (35 TPH)		GESEC	
Shape	Round	Fuel Us	sed	Bagasse	
Diameter/ Dimensions (m)	3.00	Pressure (mr	n of WG)	4.00	
Height (m)		80			
Temperature (°C)	135	Velocity	(m/s)	7.67	
Gas Volume (Nm³/Hr)		142732.	74		
Satrice of the Control				20.087	
Parameters	Method	Unit	MPCB Lim	nit Result	
Total Particulate Matter (TPM)	IS 11255 (Part 1) 2019	mg/Nm³	150	35.68	
Sulahua Diovido (SO.)	IC 112FF (Dort 2) 2010	mg/Nm³	- "	24.10	
Sulphur Dioxide (SO₂)	IS 11255 (Part 2) 2019	Kg/day	-	82.56	
Nitrogen Dioxide (NO ₂)	IS 11255 (Part 7) 2017	mg/Nm³	-	10.94	
	13 11233 (Part /) 2017	Kg/day	-	37.48	

Remarks-

Maharashtra Pollution Control Board (SPCB) Limits: SPM: 150 mg/Nm³.

> Maharashtra Pollution Control Board (SPCB) Limits: SO2: As per consent. GREEN ENLINOS

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*		TEST REPO	RT		
Test Report No: -	GESEC/A	NLM/2022-23/03/4	124	Donout Data	25/03/2023
Sample ID: -	GESEC/AI	NLM/2022-23/03/4	124	Report Date	
Name & Address of the Customer		ani Sugars Ltd., Bar ade, Tal.: Shahuwa			
	A	mbient Noise Sam	ple Details		
Туре	Ambient I		•		
Sampling done by	GESEC				
Standard method	As Per IS:	9989:2020			
Date of Sampling	Sample Receipt Date		Analysis Start Date		Analysis End Date
20/03/2023					
Name Of Instrument	Digital Sc	ound Level Meter	Date Of	Calibration	17/10/2022
Calibration Certificate No.	SSEC/ME/266		Due Date of Calibration		16/10/2023
	T		Average Noise	Level Readings	- CPCB Standards
Test Location	-	Unit	Day (12:.00 P.M.)	Night (10:45 P.M)	dB(A)
Near Main Gate			61.3	57.4	75 & 70
		dB(A)	75.0	70.0	73 & 70

Remark-

Central Pollution Control Board (CPCB) has prescribed 75 dB (A) as an upper limit of Noise Level during the Day Time & 70 dB (A) during the Night Time.

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	TEST	REPORT			
Test Report No: -	GESEC/WNLM/2022-2	3/03/425	Report Date	25/03/2023	
Sample ID: -	GESEC/WNLM/2022-23/03/425				
Name & Address of the Customer	M/s. Athani Sugars Lt Bambawade, Tal.: Sha				
	Work Zone Noi	se Sample Details			
Type	Work Zone Noise				
Sampling done by	GESEC				
Standard method	As Per IS: 9989:2020				
Date of Sampling	Sample Receipt Date	Sample Receipt Date Analysis Sta		Analysis End Date	
20/03/2023					
Name of Instrument	Sound Level Meter	Date of	Calibration	07/10/2022	
Calibration Certificate No.	SSEC/ME/259	SSEC/ME/259 Due Date of Calibration			
		Average Noise	Average Noise Level Readings		
Test Location	Unit	Day (12:.30 P.M.)	Night (11:15 P.M)	The Factories Act 1948, standards	
Distillation Area	dB(A)	78.6	76.2	≤ 90	

Remark-

The Factories' Act, 1948 has prescribed Noise Level threshold limit for 8 hours' exposure as 90 dB (A).

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	TEST REPORT			
Test Report No: GESEC/WW/2022-23/03/426 Sample ID- GESEC/WW/2022-23/03/426	Report Date		25/03/2023	
	Sample Details	i ,	RAW SPENT WASH SAMPLE	
	Type of Sample	2	Untreated	
Name and Address Of the Customer:	Volume Of San		1 Lit Plastic Bottle+ 1 lit Glass Bottle	
M/s. Athani Sugars Ltd., Bambawade Unit	Sample Status		Sealed	
(Distillery Plant)	Sample Collect	ed By	GESEC	
Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Date of Sample	Collection	20/03/2023	
	Sample Receip	t Date	21/03/2023	
	Analysis start I		21/03/2023	
	Analysis End D	ate	25/03/2023	
Parameters	Results	Unit	Standard Method	
Temp	28.5	°C	IS 3025 (Part 4): 1983	
Color	Brown		IS 3025 (Part 4) : 1983	
рН	2.85		APHA 4500 H+,B 23rd Edition.2017	
Total Solids	134627.89	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Dissolved Solids	134106.42	mg/lit	APHA 2540,C,23rd Edition, 2017	
Total Suspended Solids	521.47	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Volatile Solids	34512.90	mg/lit	IS 3025 (Part 22): 2019	
Chemical Oxygen Demand	135647.12	mg/lit	IS 3025 (Part 58), 2019	
Biochemical Oxygen Demand (27oC for 3 days)	72104.85	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	27416.64	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO ₄	20134.77	mg/lit	APHA 3025 (Part 24) ;2019	
Oil and Grease	31.22	mg/lit	IS 3025 (Part 39), 2019	
Potassium	14956.86	mg/lit	APHA 4500 K, 23rd Edition.2017	
Total Kjeldahl Nitrogen	10234.90	mg/lit	APHA 4500 No2 ,C 23rd Edition.2017	

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	TEST REPORT			
Test Report No: GESEC/WW/2022-23/03/427	Report Date		25/03/2023	
Sample ID : GESEC/WW/2022-23/03/427	Sample Details	;	CONCENTRATED SPENT WASH	
	Type of Sample	e	Untreated	
	Volume Of San	nple	1 Lit Plastic Bottle+ 1 lit Glass Bottle	
Name and Address Of the Customer:	Sample Status		Sealed	
M/s. Athani Sugars Ltd., Bambawade Unit	Sample Collect	ed By	GESEC 20/03/2023 21/03/2023 21/03/2023 25/03/2023	
(Distillery Plant)	Date of Sample	e Collection		
Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Sample Receip			
	Analysis start I			
	Analysis End D	ate		
Parameters	Results	Unit	Standard Method	
Temp	29.5	οС	IS 3025 (Part 4) : 1983	
Color	Dark Brown	-	IS 3025 (Part 4) : 1983	
рН	2.00		APHA 4500 H+,B 23rd Edition.2017	
Total Solids	275416.98	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Dissolved Solids	274491.54	mg/lit	APHA 2540,C,23rd Edition, 2017	
Total Suspended Solids	925.44	mg/lit	APHA 2540 D 23rd ED:2017	
Total Volatile Solids	8562.17	mg/lit	IS 3025 (Part 22): 2019	
Chemical Oxygen Demand	244157.02	mg/lit	IS 3025 (Part 58) , 2019	
Biochemical Oxygen Demand (27oC for 3 days)	117856.34	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as Cl-	60214.95	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO ₄	37415.02	mg/lit	APHA 3025 (Part 24);2019	
Oil and Grease	920.14	mg/lit	IS 3025 (Part 39), 2019	
Potassium	7156.39	mg/lit	APHA 4500 K, 23rd Edition.2017	
Total Kjeldahl Nitrogen	138956.24	mg/lit	APHA 4500 No2 ,C 23rd Edition.2017	

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-	TEST REPORT			
Test Report No: GESEC/WW/2022-23/03/428	Report Dat	e	25/03/2023	
Sample ID: GESEC/WW/2022-23/03/428	Sample De	tails	CPU Inlet	
	Type of Sar	nple	Waste Water	
	Volume Of Sample		1 Lit plastic bottle	
Name and Address Of the Control	Sample Status		Sealed	
Name and Address Of the Customer: M/s. Athani Sugars Ltd., Bambawade Unit	Sample Collected By		GESEC	
(Distillery Plant) Bambawade, Tal.: Shahuwadi, Dist.: Kolhapur	Date of Sample Collection		20/03/2023	
ballibawade, Tal Silalidwadi, Dist Kolliapul	Sample Red	ceipt Date	21/03/2023	
	Analysis start Date		21/03/2023	
	Analysis End Date		25/03/2023	
Parameters	Results	Unit	Standard Method	
рН	4.50		APHA 4500 H+,B 23rd Edition.2017	
Suspended Solids (SS)	112.69	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Dissolved Solids (TDS)	2104.91	mg/lit	APHA 2540,C,23rd Edition, 2017	
Chemical Oxygen Demand (COD)	2841.69	mg/lit	IS 3025 (Part 58) , 2019	
Biochemical Oxygen Demand (BOD)	1204.95	mg/lit	IS 3025 (Part 44), 2019	
Chlorides as CI -	102.63	mg/lit	APHA 4500 Cl- B,23rd Edition, 2017	
Sulphates as SO ₄	75.41	mg/lit	APHA 3025 (Part 24) ;2019	
Ammoniac Nitrogen	15.30	mg/lit	APHA 4500 N-NH3,C 23rd Edition.2017	
Methane	BDL	mg/lit	USEPA 524.2	
Hydrogen Sulphide	BDL	mg/lit	IS 3025 (Part 29), 2019	

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		TEST REPORT			
Test Report No: GESEC/WW/2022-2		Report Date		25/03/2023	
Sample ID: GESEC/WW/2022-23/03/429		Sample Details		CPU Outlet	
		Type of Sample		Waste Water	
		Volume Of Sample		1 Lit plastic bottle	
Name and Address Of the Customer:	Sample Status	Sealed			
M/s. Athani Sugars Ltd., Bambawade	Unit	Sample Collected By		GESEC	
(Distillery Plant) Bambawade, Tal.: Shahuwadi, Dist.:		Date of Sample Collection		20/03/2023	
	•	Sample Receipt Date	21/03/2023		
		Analysis start Date		21/03/2023	
		Analysis End Date		25/03/2023	
Parameters	Results	SPCB LIMIT	Unit	Standard Method	
рН	7.55	5.5 - 9.0		APHA 4500 H+,B 23rd Edition,2017	
C					
Suspended Solids (SS)	21.97	100	mg/lit	APHA 2540 D 23 rd ED:2017	
Total Dissolved Solids (TDS)	21.97 415.06	2100	mg/lit	APHA 2540 D 23 rd ED:2017 APHA 2540,C,23rd Edition, 2017	
				APHA 2540,C,23rd Edition,	
Total Dissolved Solids (TDS)	415.06	2100	mg/lit	APHA 2540,C,23rd Edition, 2017	
Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD)	415.06 52.11	2100 250	mg/lit	APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58), 2019 IS 3025 (Part 44), 2019 APHA 4500 Cl- B,23rd	
Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (BOD)	415.06 52.11 18.65	2100 250 100	mg/lit mg/lit mg/lit	APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58), 2019 IS 3025 (Part 44), 2019	
Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (BOD) Chlorides as Cl -	415.06 52.11 18.65 48.75	2100 250 100 600	mg/lit mg/lit mg/lit mg/lit	APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58), 2019 IS 3025 (Part 44), 2019 APHA 4500 Cl- B,23rd Edition, 2017 APHA 3025 (Part 24);2019 APHA 4500 N-NH3,C 23rd	
Total Dissolved Solids (TDS) Chemical Oxygen Demand (COD) Biochemical Oxygen Demand (BOD) Chlorides as CI - Sulphates as SO ₄	415.06 52.11 18.65 48.75 37.01	2100 250 100 600	mg/lit mg/lit mg/lit mg/lit mg/lit	APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58), 2019 IS 3025 (Part 44), 2019 APHA 4500 Cl- B,23rd Edition, 2017 APHA 3025 (Part 24);2019	

BDL - Below Detectable Limit.

All parameters are within the MPCB limit.

Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

END OF REPORTConsultant PNL

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The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.

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