

CONSENT COMPLIANCE MONITORING REPORT

BY

M/s. GODAVARI BIOREFINARIES LTD.

PO- Sakarwadi, Tal- Kopargaon,

Dist. Ahmednagar

Production	Presently Industry is achieving 70-75% production of consented quantities
Water Consumption	Within the consented limit
Domestic Sewage Generation	Within the consented limit
Industrial Effluent Generation	Within the consented limit
Provision of ETP	Provided ETP (600 CMD) & is working satisfactory
Provision of STP	Provided STP (200 CMD) & is working satisfactory
Compliance of Air (P&CP) Act 1981	Provided Various APCD ESP, Bag Filters, Isolation Cabin for DG Set
Bank Guarantees Submission	Bank Guarantees submitted as per Consent Conditions

600CMD ETP Photographs



Cont.....



200CMD STP Photographs



Air Pollution Control Equipment



ESP for Thermax Boiler (18TPH)



ESP provided for ISGEC Boiler (18TPH)



Bag filter for FBC Boiler (12TPH)

Cont.....



↑ 1000KVA DG set

↓ 590KVA DG set



← Isolation Cabin For DG Sets

Rain Water Harvesting of 85,000m³



Energy Meter



Pollution Control Facility



ETP



STP



MEE plant

Water Meter



Cooling Tower



Water Meter



Drinking water

Domestic water supply



Statutory Compliance	Compliance status
Compliance of The Hazardous and Other Waste (M&TM) Rules, 2016	Handling HW as per The Hazardous and Other Waste (M&TM) Rules, 2016 The HW Annual Return submitted on 26.06.2021
Compliance of provisions of rule 14 of the Environment (Protection) (Secondary Amendment) Rules, 1992 – Submission of Yearly ESR	Environmental Statement Report submitted on 28.09.2020
Self monitoring of Byproduct dispatched and submission of monthly compliance report to the Board	Monthly submission of report to the MPCB board

Detail of Bank Gurantees

Sr. No	BG Condition	BG Amount	Validity
1	Zero discharge to be achieved by MEE/Incineration as per the directions of CPCB	Rs. 10.00 Lacks	31.12.2024
2	O & M Compliances of consent conditions for achieving consented standards	Rs. 5.00 Lacks	31.12.2024
3	Towards compliance of No increase in pollution load as assured by industry and certificate issued by ICT	Rs. 5.00Lacks	31.12.2024
4	Towards Compliance of Recycling substitute by taking out by-products.	Rs. 5.00 Lacks	31.12.2024
5	Industry the byproduct generator, should ensure that all the vehicles used to transport byproduct to the vendor industry to be fitted with web based GPS system to record the origine to destination position and shall self monitor the compliance and submit monthly report to the Board. Also Industry shall obtain affidavit from vendors stating that the byproduct purchased from PP os used as raw material in their respective industries.	Rs. 2.00 Lacks	31.12.2024
6	PP shall ensure existing pollution load will not increase due to proposed change in product mix	Rs. 5.00 Lacks	31.12.2024
7	Towards Compliance of Consent to Establish Conditions.	Rs. 5.00 Lacks	30.09.2026

MONITORING REPORTS

ANALYSIS REPORT OF ETP TREATED WATER



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhat", Opp. Sahayasnagar, M.S.E.B. Road, Vishwambag, Sangli - 418 415.
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 NABET / ETA / 1819 / RA 0057 valid upto June 12, 2019.

NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2019

TEST REPORT

Report Ref. No. : SEC/W-UX/01-21	End of Analysis : 23 January 2021
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 25 January 2021
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : UX17
Date of Collection / Sampling : 10 January 2021	Nature of Sample: Water
Date of Receipt : 11 January 2021	Sample Collected By: SEC Lab
Date of Analysis: 11 January 2021	Sample Quantity : 1 lit
Name of Sample : R. O. Permit	

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH	7.56	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	43	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	8	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	290	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	72	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	25	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,

Analysed By




B. Subbarao
 Authorized Signatory
 Technical Manager/ Quality Manager

Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is not drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

***END of Test Report ***

ANALYSIS REPORT OF STP TREATED WATER



SEC

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2019

TEST REPORT

Report Ref. No. : SEC/W-UX/01-21	End of Analysis : 23 January 2021
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 25 January 2021
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : UX14
Date of Collection / Sampling : 10 January 2021	Nature of Sample: Water
Date of Receipt : 11 January 2021	Sample Collected By: SEC Lab
Date of Analysis: 11 January 2021	Sample Quantity : 1 lit
Name of Sample : STP Outlet	

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH	8.35	-	IS:3025 (P-11) 1983
2	Chemical Oxygen Demand	46	mg/l	IS:3025 (P-58) 2006
3	B.O.D. (3 days at 27°C)	15	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	810	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	36	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	110	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	25	mg/l	IS:3025 (P-24) 1986
8	Oil & Grease	ND	mg/l	IS:3025 (P-39) 1991 (RA 2003)

Remarks:

Thanking you,


 Analysed By




 Authorized Signatory
 Technical Manager/ Quality Manager

Note:

1. The result pertains only for the sample tested.
2. The test result shall not be reproduced except in full, without written approval of the laboratory.
3. Sample is not drawn by Dr. Subbarao's Environment Centre, Sangli.
4. Retention period for the remnant shall be 30 days.
5. ND- Not Detected.

***END of Test Report ***

STACK MONITORING REPORT (Tharmax Boiler)



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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TEST REPORT STACK EMISSIONS

Report Ref. No.	SEC/Stack-UX/D1-21
Report Date	25 January 2021
Name of industry	Godavari Biorefineries Ltd.
Address	Sakanwadi- 413708, Tal- Kopergaon, Dist- Ahmadnagar.
Start Date of commencement of Sampling	09 January 2021
Start Time of commencement of Sampling	09:00 am
End Date of commencement of Sampling	09 January 2021
End Time of commencement of Sampling	09:30 am
Retention period of the remanant sample	30 days

PARTICULARS OF STACK

Stack attached to boiler	18 TPH --Thermax (ESP installed as APCD)
Stack Diameter	1.2
Stack Height	30 m
Stack Temperature	133°C
Stack Velocity of Flue Gases	7.5 m/s
Type of Fuel	Coal

POLLUTION PARAMETER RESULTS

Parameter	Results	Limits	Units	Method Used
Particulate Matter (PM)	58	150	mg/Nm ³	IS 11255m(Part 1): 1985, Reaffirmed 2003
SO ₂	50	80	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009
NO _x	39	80	mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012
SO ₂	27	< 841.20 MPCB consent	Kgs/day	By Calculation

Note: The test report shall not be reproduced except in full without written approval of the laboratory.


Analyzed By




Authorized Signatory
Technical Manager/ Quality Manager

STACK MONITORING REPORT (ISGEC Boiler)



SEC

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 0121 valid upto 09-03-2019

TEST REPORT STACK EMISSIONS

Report Ref. No.	SEC/Stack-UX/01-21
Report Date	25 January 2021
Name of industry	Godavari Biorefineries Ltd.
Address	Sakarwadi- 413708, Tal- Kopergaon, Dist- Ahmadnagar.
Start Date of commencement of Sampling	09 January 2021
Start Time of commencement of Sampling	11:00 am
End Date of commencement of Sampling	09 January 2021
End Time of commencement of Sampling	11:30 am
Retention period of the remnant sample	30 days

PARTICULARS OF STACK

Stack attached to boiler	18 TPH - ISGEC [ESP installed as APCD]
Stack Diameter	1.6
Stack Height	33 m
Stack Temperature	135°C
Stack Velocity of Flue Gases	7.9 m/s
Type of Fuel	Coal

POLLUTION PARAMETER RESULTS

Parameter	Results	Limits	Units	Method Used
Particulate Matter (PM)	84	150	mg/Nm ³	IS-11255m(Part 1): 1985, Reaffirmed 2003
SO ₂	56	80	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009
NO _x	47	80	mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012
SO ₂	57	< 817.20 MPCB consent	Kgs/day	By Calculation

Note: The test report shall not be reproduced except in full without written approval of the laboratory.


Analyzed By




Authorized Signatory
Technical Manager/ Quality Manager

STACK MONITORING REPORT (FBC Boiler)



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2019

TEST REPORT STACK EMISSIONS

Report Ref. No.	SEC/Stack-UX/01-21
Report Date	25 January 2021
Name of industry	Godavari Biorefineries Ltd.
Address	Sakarwadi- 413708, Tal- Kopergaon, Dist- Ahmadnagar.
Start Date of commencement of Sampling	09 January 2021
Start Time of commencement of Sampling	10:00 am
End Date of commencement of Sampling	09 January 2021
End Time of commencement of Sampling	10:30 am
Retention period of the remnant sample	30 days

PARTICULARS OF STACK

Stack attached to boiler	12 TPH - FBC [Big Filter installed as APCD]
Stack Diameter	1.6
Stack Height	30 m
Stack Temperature	115°C
Stack Velocity of Flue Gases	6.7 m/s
Type of Fuel	Coal

POLLUTION PARAMETER RESULTS

Parameter	Results	Limits	Units	Method Used
Particulate Matter (PM)	52	150	mg/Nm ³	IS 11255m(Part 1): 1985, Reaffirmed 2003
SO ₂	35	80	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009
NO _x	21	80	mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012
SO ₂	32	< 650.40 MPCB consent	Kgs/day	By Calculation

Note: The test report shall not be reproduced except in full without written approval of the laboratory.


Analyzed By




Authorized Signatory
Technical Manager/ Quality Manager

STACK MONITORING REPORT (DG Set-1)



SEC

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DIESEL GENERATION SET MONITORING REPORT

Report Ref. No. : SEC/DG-UX/01-21	End of Analysis : 23 January 2021
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 25 January 2021
Address: Sakarwadi-413708, Tq- Kopergaon, Dst- Ahmadnagar	Lab ID/Sample Ref. No. : UX-DG
Date of Collection / Sampling : 10 January 2021	Nature of Sample: Diesel Generator
Date of Receipt : 11 January 2021	Sample Collected By: SEC Lab

Sr. No	Parameter	Unit	Results	Tolerance Limits
1.	Stack attached to	--	590 KVA DG Set	--
2.	Load of DG set	KW	310 KW	--
3.	Stack Height	Meter	9.00	--
4.	Stack Diameter	Inch	6.00	--
5.	Fuel Used	--	Diesel	--
6.	Flue Gas Temperature	°C	136	--
7.	Flue Gas Velocity	m/sec	9.5	--
8.	P.M.	mg/Nm ³	34	75
9.	NO _x (as NO ₂)	Ppmv	401	710
10.	NHMC	mg/Nm ³	35	100
11.	CO	mg/Nm ³	54	150

MS
Analyzed By



B Subbarao
Authorized Signatory
Technical Manager/ Quality Manager

STACK MONITORING REPORT (DG Set-2)



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NABL Quality Assurance Laboratory Accreditation Certificate No. TG - 8121 valid upto 08-08-2019

DIESEL GENERATION SET MONITORING REPORT

Report Ref. No. : SEC/DG-UX/01-21	End of Analysis : 23 January 2021
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 25 January 2021
Address: Sakarwadi- 413708, Tq- Kopargaon, Dist- Ahmadnagar	Lab ID/Sample Ref. No. : UX-DG
Date of Collection / Sampling : 10 January 2021	Nature of Sample: Diesel Generator
Date of Receipt : 11 January 2021	Sample Collected By: SEC Lab

Sr. No	Parameter	Unit	Results	Tolerance Limits
1.	Stack attached to	--	1000 KVA DG Set	--
2.	Load of DG set	KW	550 KW	--
3.	Stack Height	Meter	9.00	--
4.	Stack Diameter	Inch	10.00	--
5.	Fuel Used	--	Diesel	--
6.	Flue Gas Temperature	°C	147	--
7.	Flue Gas Velocity	m/sec	9.7	--
8.	P.M.	mg/Nm ³	34	75
9.	NO _x (as NO ₂)	Ppmv	408	710
10.	NHMC	mg/Nm ³	42	100
11.	CO	mg/Nm ³	52	150

[Signature]
Analyzed By



[Signature]
Authorized Signatory
Technical Manager/ Quality Manager

NOISE LEVEL (Factory Inside) MONITORING REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NOISE LEVEL MEASUREMENT REPORT

Report Ref. No. : SEC/NL-UX/01-21			End of Analysis : 23 January 2021				
Name of Industry/Customer : Godavari Biorefineries Ltd.			Report Date : 25 January 2021				
Address: Sakarwadi- 413708, Tq- Kopergaon, Dist- Ahmadnagar			Lab ID/Sample Ref. No. : UX-NL				
Date of Collection / Sampling : 09 & 10 January 2021			Nature of Sample: Noise Level				
Date of Receipt : 11 January 2021			Sample Collected By: SEC Lab				
Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leg	Time	Area			
				East	West	North	South
1.	ISGEC Boiler (Outside Cabin)	75	Day	71.1	71.3	71.0	71.2
		70	Night	66.3	66.5	66.7	66.5
2.	ISGEC Boiler (Inside Cabin)	75	Day	63.4			
		70	Night	58.1			
3.	Thermax Boiler (Outside Cabin)	75	Day	70.4	70.2	70.1	70.3
		70	Night	66.1	66.3	66.0	66.1
4.	Thermax Boiler (Inside Cabin)	75	Day	62.8			
		70	Night	59.5			
5.	FBC Boiler (Outside Cabin)	75	Day	70.3	70.7	70.4	70.2
		70	Night	66.5	66.6	66.5	66.8
6.	FBC Boiler (Inside Cabin)	75	Day	63.2			
		70	Night	60.4			
7.	New Turbine House (1.5MW) (Outside Cabin)	75	Day	71.8	71.3	71.6	71.5
		70	Night	68.3	68.2	68.0	68.1
8.	New Turbine House (1.5MW) (Inside Cabin)	75	Day	68.1			
		70	Night	64.5			
9.	Power House (45KW)	75	Day	71.3	71.1	71.4	71.1
		70	Night	67.1	67.2	67.1	67.5
10.	Power House Electrical	75	Day	63.1	63.5	63.3	63.6
		70	Night	57.9	57.8	57.7	57.8
11.	Ethyl Acetate Plant no. 1 (Outside Cabin)	75	Day	68.3	68.0	68.2	68.5
		70	Night	63.2	64.5	63.2	63.1
12.	Ethyl Acetate Plant no. 1 (Inside Cabin)	75	Day	63.8			
		70	Night	57.7			

Analyzed By



Authorized Signatory
Technical Manager/ Quality Manager

NOISE LEVEL (Factory Inside) MONITORING REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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 NASL Quality Assurance Laboratory Accredition Certificate No. TC - 5121 valid upto 09-08-2019

NOISE LEVEL MEASUREMENT REPORT

Report Ref. No. : SEC/ML-UX/01-21				End of Analysis : 23 January 2021			
Name of Industry/Customer : Godavari Biorefineries Ltd.				Report Date : 25 January 2021			
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmadnagar				Lab ID/Sample Ref. No. : UX-NL			
Date of Collection / Sampling : 09 & 10 January 2021				Nature of Sample: Noise Level			
Date of Receipt : 11 January 2021				Sample Collected By: SEC Lab			
Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leq	Time	Area			
				East	West	North	South
13.	Ethyl Acetate Filling Point	75	Day	63.2	63.1	62.9	62.8
		70	Night	56.8	56.4	56.5	56.7
14.	MEE Plant (Outside Cabin)	75	Day	70.5	70.7	70.8	70.7
		70	Night	65.3	65.0	65.1	65.2
15.	MEE Plant (Inside Cabin)	75	Day	62.5			
		70	Night	56.2			
16.	1-3 BG Plant (Outside Cabin)	75	Day	70.4	70.1	70.3	70.5
		70	Night	65.3	65.4	65.1	65.2
17.	1-3 BG Plant (Inside Cabin)	75	Day	61.5			
		70	Night	56.0			
18.	MPP Plant (Outside Cabin)	75	Day	69.2	69.1	69.3	69.2
		70	Night	64.5	64.2	64.2	64.1
19.	MPP Plant (Inside Cabin)	75	Day	62.4			
		70	Night	56.1			
20.	Acetaldehyde Plant Blower House	75	Day	69.5	69.4	69.2	69.5
		70	Night	65.4	65.1	65.2	65.3
21.	RO ETP Plant	75	Day	69.7	69.8	69.5	69.7
		70	Night	65.1	65.2	65.4	65.3
22.	CETP Plant	75	Day	70.2	70.5	70.6	70.3
		70	Night	66.1	66.2	66.0	66.1
23.	MPO Plant	75	Day	70.6	70.4	70.3	70.7
		70	Night	63.2	63.5	63.3	63.4
24.	Pump House	75	Day	65.1			
		70	Night	56.2			

[Signature]
Analyzed By



[Signature]
Authorized Signatory
Technical Manager/ Quality Manager

NOISE LEVEL (Factory Outside) MONITORING REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

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NOISE LEVEL MEASUREMENT REPORT

Report Ref. No. : SEC/NL-UX/01-21	End of Analysis : 23 January 2021
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 25 January 2021
Address: Sakarwadi- 413708, Tq- Kopergaon, Dist- Ahmadnagar	Lab ID/Sample Ref. No. : UX-NL
Date of Collection / Sampling : 09 & 10 January 2021	Nature of Sample: Noise Level
Date of Receipt : 11 January 2021	Sample Collected By: SEC Lab

Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leq	Time	dB (A) Leq
1.	Factory Main Gate	75	Day	54.7
		70	Night	50.1
2.	Bio Gas Plant Gate	75	Day	54.9
		70	Night	43.1
3.	Factory General Office	75	Day	54.6
		70	Night	44.1
4.	Factory Guest House	55	Day	50.1
		45	Night	41.3
5.	Gandhi Maidan Residential Area	55	Day	52.9
		45	Night	43.1
6.	Survey No. 2 Residential Area	55	Day	53.6
		45	Night	42.1
7.	CD Type Colony Residential Area	55	Day	53.8
		45	Night	41.7
8.	Colligate Residential Area	55	Day	53.1
		45	Night	43.0
9.	Bharatwadi Residential Area	55	Day	52.7
		45	Night	42.3

Analyzed By

Authorized Signatory
 Technical Manager/ Quality Manager

AMBIENT AIR MONITORING REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhal", Opp. Sahaynagar, M.S.E.S. Road, Vishnubag, Sangli - 415 415.
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 OCI - NABET Accredited ETA Consultant Organization - Certificate No.
 NABET / ETA / 1819 / RA 0297 valid upto June 12, 2019,
 NABL Quality Assurance Laboratory Accreditation Certificate No. TC - 6121 valid upto 09-08-2019

AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-UX/01-21		End of Analysis : 23 January 2021				
Name of Industry/Customer : Godavari sBiorefineries Ltd.		Report Date : 25 January 2021				
Address: Sakarwadi- 413708, Tq- Kopergaon, Dst- Ahmadnagar		Lab ID/Sample Ref. No. : UX-AA				
Date of Collection / Sampling : 09 & 10 January 2021		Nature of Sample: Ambient Air				
Date of Receipt : 11 January 2021		Sample Collected By: SEC Lab				
Sr. No.	Sampling Station		PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
		Limits	< 100µg/m ³	< 60µg/m ³	< 80µg/m ³	< 80µg/m ³
		Method of Testing	IS 5182 (Part 23): 2006	SEC/QAL/SOP/ AIR/PM2.5/03	IS 5182 (Part 2):2001	IS 5182 (Part 6): 2006
1.	Near Factory Guest House		52	18	07.00	10.00
2.	Near General Office		85	35	23.00	15.00
3.	Near 1-3 BG, MPP & EAP Plant		78	32	37.00	31.00
4.	Near RND Finished Product & Filling Station		77	32	40.00	34.00
5.	Near MPO, Proto & QC Lab		68	27	35.00	26.00

Analyzed By



Authorized Signatory
 Technical Manager/ Quality Manager

THANK YOU...