

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

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 13.06.2020
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

MONITORING REPORTS

ANALYSIS REPORT OF ETP TREATED WATER



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

"Arundhat", Opp. Sahayognagar, M.S.E.B. Road, Vishrambag, Sangli - 416 415.
 Phone : Sangli - 0233 - 2301857. (M) 9372109522, 9890992118, 9890454493.
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 NABET / EIA / 1619 / RA 0057 valid upto June 12, 2019.

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


TEST REPORT

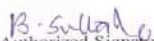
Report Ref. No. : SEC/W-SL/03-20	End of Analysis : 20 March 2020
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 20 March 2020
Address: Sakarwadi-413708, Tq- Kopergaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : SL17
Date of Collection / Sampling : 12 March 2020	Nature of Sample: Water
Date of Receipt : 13 March 2020	Sample Collected By: SEC Lab
Date of Analysis: 14 March 2020	Sample Quantity : 1 lit
Name of Sample : R. O. Permit	

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH	7.16	-	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)	6	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	148	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	ND	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	61	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	15	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 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 Accredition Certificate No. TC - B121 valid upto 09-08-2019


TEST REPORT

Report Ref. No. : SEC/W-SL/03-20	End of Analysis : 20 March 2020
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 20 March 2020
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : SL14
Date of Collection / Sampling : 12 March 2020	Nature of Sample: Water
Date of Receipt : 13 March 2020	Sample Collected By: SEC Lab
Date of Analysis: 14 March 2020	Sample Quantity : 1 lit
Name of Sample : STP Outlet	

Sr. No.	Test Parameter	Result	Unit	Test Method
1	pH	7.80	-	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)	20	mg/l	IS:3025 (P-44) 1993
4	Total Dissolved Solids	1290	mg/l	IS:3025(P-16)1984
5	Total Suspended Solids	23	mg/l	IS:3025 (P-17) 1984
6	Chloride as Cl ⁻	84	mg/l	IS:3025 (P-32) 1988
7	Sulphate as SO ₄	15	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 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



SEC

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TEST REPORT STACK EMISSIONS

Report Ref. No.	SEC/Stack-SL/03-20
Report Date	20 March 2020
Name of industry	Godavari Biorefineries Ltd.
Address	Sakarwadi- 413708, Tal- Kopargaon, Dist- Ahmednagar.
Start Date of commencement of Sampling	11 March 2020
Start Time of commencement of Sampling	10:15 am
End Date of commencement of Sampling	11 March 2020
End Time of commencement of Sampling	10:45 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	31 m
Stack Temperature	136°C
Stack Velocity of Flue Gases	7.8 m/s
Type of Fuel	Coal

POLLUTION PARAMETER RESULTS

Parameter	Results	Limits	Units	Method Used
Particulate Matter (PM)	85	150	mg/Nm ³	IS 11255m(Part 1): 1985, Reaffirmed 2003
SO ₂	62	C	mg/Nm ³	IS-11255 (Part 2): 1985 Reaffirmed 2009
NOx	53	NA	mg/Nm ³	IS-11255 (Part 7): 2005 Reaffirmed 2012
SO ₂	63	< 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.

[Signature]
Analyzed By



B. S. V. Rao
Authorized Signatory
Technical Manager/ Quality Manager

NOISE LEVEL MONITORING REPORT



SEC

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NOISE LEVEL MEASUREMENT REPORT

Report Ref. No. : SEC/NL-SL/03-20	End of Analysis : 20 March 2020
Name of Industry/Customer : Godavari Biorefineries Ltd.	Report Date : 20 March 2020
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar	Lab ID/Sample Ref. No. : SL-NL
Date of Collection / Sampling : 11 & 12 March 2020	Nature of Sample: Noise Level
Date of Receipt : 13 March 2020	Sample Collected By: SEC Lab

Sr. No.	Location of recording Sound level	Standard Limit dB (A) Leq	Time	Area			
				East	West	North	South
1.	ISGEC Boiler (Outside Cabin)	75	Day	71.4	71.1	71.2	71.3
		70	Night	66.5	66.7	66.3	66.4
2.	ISGEC Boiler (Inside Cabin)	75	Day	63.1			
		70	Night	59.0			
3.	Thermax Boiler (Outside Cabin)	75	Day	70.8	70.6	70.5	70.7
		70	Night	66.4	66.7	66.4	66.3
4.	Thermax Boiler (Inside Cabin)	75	Day	62.5			
		70	Night	59.1			
5.	FBC Boiler (Outside Cabin)	75	Day	70.8	70.1	70.2	70.1
		70	Night	66.0	66.3	66.1	66.2
6.	FBC Boiler (Inside Cabin)	75	Day	63.8			
		70	Night	61.1			
7.	New Turbine House (1.5MW) (Outside Cabin)	75	Day	73.5	73.4	73.3	73.4
		70	Night	68.2	68.5	68.1	68.2
8.	New Turbine House (1.5MW) (Inside Cabin)	75	Day	68.0			
		70	Night	64.1			
9.	Power House (45KW)	75	Day	72.7	72.4	72.3	72.6
		70	Night	67.2	67.5	67.4	67.3
10.	Power House Electrical	75	Day	63.7	64.1	64.5	64.2
		70	Night	57.9	57.5	57.8	57.5
11.	Ethyl Acetate Plant no. 1 (Outside Cabin)	75	Day	68.9	68.1	68.5	68.7
		70	Night	63.3	64.5	63.4	63.3
12.	Ethyl Acetate Plant no. 1 (Inside Cabin)	75	Day	63.2			
		70	Night	57.5			

[Signature]
Analyzed By



[Signature]
Authorized Signatory
Technical Manager/ Quality Manager

AMBIENT AIR MONITORING REPORT



SEC

Dr. SUBBARAO'S ENVIRONMENT CENTER

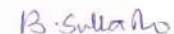
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AMBIENT AIR QUALITY REPORT

Report Ref. No. : SEC/AA-SL/03-20		End of Analysis : 20 March 2020				
Name of Industry/Customer : Godavari Biorefineries Ltd.		Report Date : 20 March 2020				
Address: Sakarwadi- 413708, Tq- Kopargaon, Dst- Ahmednagar		Lab ID/Sample Ref. No. : SL-AA				
Date of Collection / Sampling : 11 & 12 March 2020		Nature of Sample: Ambient Air				
Date of Receipt : 13 March 2020		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		55	20	07.00	09.00
2.	Near General Office		87	36	25.00	18.00
3.	Near 1-3 BG, MPP & EAP Plant		75	30	41.00	35.00
4.	Near RND Finished Product & Filling Station		78	32	42.00	35.00
5.	Near MPO, Proto & QC Lab		70	28	38.00	30.00


 Analyzed By


 Authorized Signatory
 Technical Manager/ Quality Manager



THANK YOU...