



Hindusthan College of Engineering and Technology

An Autonomous Institution, Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai
 Accredited by NBA (AERO, AUTO, CIVIL, CSE, ECE, EEE, IT, MECH, MCTS)
 Accredited by NAAC 'A++' Grade with CGPA of 3.69 out of 4 in Cycle 2

ISO Certified Institution

Valley Campus, Coimbatore - 641 032, Tamil Nadu, INDIA
 Tel: +91 422 4242424
 www.hicet.ac.in

Annexure-I

SEWAGE TREATMENT PLANT WITH MBBR TECHNOLOGY (250 KLD)

CONSOLIDATED REPORT OF STOCK VERIFICATION

Date: 20.06.2024

Stock Verification Report for the Academic Year 2023-2024

S. No.	Name of the Equipment	Unique ID Tag	Quantity	Year of Purchase	Page No. in Stock Register	Status Working / Not Working	Calibration Status	Missing	Condemned	Any Other Remarks	
1	Submersible Feed Pump (7.5 HP)	-	1	2020	Based on the File Available	Working	-	-	-	-	
2	Three Phase Induction Motors (10 HP)	-	2	2020		Working	-	-	-	Rubber Belt to be Replaced in 1 Motor	
3	Air Blowers (7 HP)	-	2	2020		Working	-	-	-	-	
4	Filter Feed Pumps	-	2	2020		1 Working, 1 Not Working	-	-	-	-	Service Required
5	Sludge Transfer Pump (1 HP)	-	1	2020		Working	-	-	-	-	-
6	Dual Media Filter Unit	-	1	2020		Working	-	-	-	-	-
7	Control Panel	-	1	2020		Working	-	-	-	-	-

Verified by

Name of the Auditor: Dr. K. AKIL

Designation and Department: Professor and HoD of Civil Engg.

Date: 20/6/2024

Signature:

Mr. A. ALEX LIVINGSTON RAJA
 Asst. Professor of Civil Engg.



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Annexure-II

SEWAGE TREATMENT PLANT WITH MBBR TECHNOLOGY (250 KLD)

CONSOLIDATED REPORT OF STOCK DISCREPANCIES

Date: 20.06.2024

Stock Verification Report for the Academic Year 2023-2024

S. No.	Name of the Laboratory	Name of the Equipment	Unique ID Tag	Quantity	Year of Purchase	Stock Register Page No.	Discrepancies			
							Not Working	Missing	Condemned	Any Other Remarks
1	Sewage Treatment Plant	Three Phase Induction Motor (10 HP)	-	1	2020	Based on the File Available	1 (Working)	-	-	Rubber Belt to be Replaced
2		Filter Feed Pump (5 HP)	-	1	2020		1	-	-	Service Required

Verified by

Name of the Auditor: Dr. K. AKIL

Designation and Department: Professor and HOD of Civil Engg.

Date: 20/6/2024

Signature:

S. Alex
Mr. A. ALEX LIVINGSTON RAJA
Asst. Professor of Civil Engg.

HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY, COIMBATORE-641032
DEPARTMENT OF CIVIL ENGINEERING

10.10.2023

SUBMITTED TO THE PRINCIPAL:

Sub: Wastewater Treatment Plant – Settlement of Service Bills - Reg.

The Wastewater Treatment Plant of capacity 250KLD in our HICET campus has been revamped and serviced for its proper operation and functioning. The bills for the same may kindly be passed. The details are as follows:


Name of the Service Provider: **GRAM Envosolutions, Coimbatore**

Invoice No.: **GRAM/23-24/0151**


Date: **06.10.2023**

S. No.	Particulars	Quantity	Rate (Rs.)	Amount (Rs.)	
1	Blower Service	2 Nos.	25,000.00	50,000.00	
2	DMF Media Replacement	1 Lot.	60,000.00	60,000.00	
3	Supply of Raw Sewage Pump	1 No.	40,000.00	40,000.00	
4	Panel General Service	1 Lot.	45,000.00	45,000.00	
5	Commissioning Charges	1 Lot.	40,000.00	40,000.00	
				2,35,000.00	
In Words: Rupees Two Lakhs Seventy Seven Thousand Three Hundred Only				CGST @ 9%	21,150.00
				SGST @ 9%	21,150.00
				Total	2,77,300.00

In this regard, necessary permission may kindly be granted for the same. A copy of the invoice and quotation is attached herewith for your kind reference and perusal.


Faculty Incharge


HOD, Civil Engineering


Principal
10/10/23

Tax Invoice

(DUPLICATE FOR TRANSPORTER)

GRAM Envosolutions Pvt Ltd - 2022-24
 512, Kongu Nagar, 1st Street
 Maniyakaranpalayam,
 Ganapathy (Post)
 Coimbatore -641006
 GSTIN/UIN: 33AAGCG4663G1ZO
 State Name : Tamil Nadu, Code : 33
 E-Mail : info@getsenviro.com
 Consignee (Ship to)
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
 Pollachi Main Rd, Coimbatore
 State Name : Tamil Nadu, Code : 33
 Buyer (Bill to)
HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY
 Pollachi Main Rd, Coimbatore
 State Name : Tamil Nadu, Code : 33
 Place of Supply : Tamil Nadu

Invoice No. GRAM/23-24/0151	Dated 6-Oct-23
Delivery Note	Mode/Terms of Payment
Reference No. & Date.	Other References
Buyer's Order No.	Dated
Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination
Terms of Delivery	

Sl No.	Description of Goods and Services	HSN/SAC	GST Rate	Quantity	Rate	per	Amount
1	Blower Service Model: KPT SR035, 300m3 /hr	84212190	18 %	2.00 Nos	25,000.00	Nos	50,000.00
2	DMF Media Replacement (Finesand, coarsesand, pebbles, ActivatedCarbon) Size:1000mm(dia)x2000mm	84212190	18 %	1 LOT	60,000.00	LOT	60,000.00
3	Supply of Raw Sewage Pump Make: Kirloskar Type :Submersible Flow rate : 12 M3/Hr, 14 m head	84212190	18 %	1.00 Nos	40,000.00	Nos	40,000.00
4	Panel General Service Contactor, relay and Blower Timer	84212190	18 %	1 LOT	45,000.00	LOT	45,000.00
5	Commissioning Charges For 1 Month with Training DAP, Urea, and Bio Culture	84212190	18 %	1 LOT	40,000.00	LOT	40,000.00
							2,35,000.00
						Output CGST @ 9%	21,150.00
						Output SGST @ 9%	21,150.00
Total							₹ 2,77,300.00

Amount Chargeable (in words) **INR Two Lakh Seventy Seven Thousand Three Hundred Only** E & O.E

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
84212190	2,35,000.00	9%	21,150.00	9%	21,150.00	42,300.00
Total	2,35,000.00		21,150.00		21,150.00	42,300.00

Tax Amount (in words) : **INR Forty Two Thousand Three Hundred Only**

Declaration
 We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

Company's Bank Details
 Bank Name : **CANARA BANK**
 A/c No. : **61311010001956**
 Branch & IFS Code : **TATABAD & CNRB0016131**

Customer's Seal and Signature

for **GRAM Envosolutions Pvt Ltd - 2022-24**

(Signature)
 Authorised Signatory

GRN

S. No: 20/49

Dept: Civil

Date: 10/19/23

Sign: ✓





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TEST REPORT

Report Date: 24.01.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	JAN/2024/STP/01	Sample Collected on:	22.01.2024
Sample Analysis Date:	22.01.2024	Report Issue Date:	24.01.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.10	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	25	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	62	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	17	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

Tested by

Mr. A. Alex Livingston Raja

Assistant Professor, Civil Engineering

HOD, Civil Engineering





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TEST REPORT

Report Date: 22.02.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	FEB/2024/STP/02	Sample Collected on:	19.02.2024
Sample Analysis Date:	19.02.2024	Report Issue Date:	22.02.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.15	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	28	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	65	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	19	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

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TEST REPORT


Report Date: 26.03.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	MAR/2024/STP/03	Sample Collected on:	25.03.2024
Sample Analysis Date:	25.03.2024	Report Issue Date:	26.03.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.20	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	26	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	64	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	18	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

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Assistant Professor, Civil Engineering


HOD, Civil Engineering





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TEST REPORT

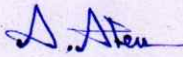
Report Date: 24.04.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	APR2024/STP/04	Sample Collected on:	22.04.2024
Sample Analysis Date:	22.04.2024	Report Issue Date:	24.04.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.05	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	27	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	66	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	17	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

Tested by 
Mr. A. Alex Livingston Raja
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TEST REPORT

Report Date: 23.05.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	MAY2024/STP/05	Sample Collected on:	20.05.2024
Sample Analysis Date:	20.05.2024	Report Issue Date:	23.05.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.25	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	26	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	68	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	18	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

Tested by

A. Alex

Mr. A. Alex Livingston Raja

Assistant Professor, Civil Engineering

JLL
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TEST REPORT

Report Date: 25.06.2024

Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	JUNE2024/STP/06	Sample Collected on:	24.06.2024
Sample Analysis Date:	24.06.2024	Report Issue Date:	25.06.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.30	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	29	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	67	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	19	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

Tested by *A. Alex*
Mr. A. Alex Livingston Raja
Assistant Professor, Civil Engineering

M.H.
HOD, Civil Engineering





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TEST REPORT


Report Date: 24.07.2024


Customer Details:	M/s. Hindusthan College of Engineering and Technology		
Sample Details:	STP Treated Water		
Sample Reference No.:	JULY2024/STP/07	Sample Collected on:	22.07.2024
Sample Analysis Date:	22.07.2024	Report Issue Date:	24.07.2024
Sample Collected by:	Department of Civil Engineering, HICET		

RESULTS OF THE ANALYSIS

S.No.	Parameters	Unit	Test Protocol	Result	Standards* (TNPCB)
1	pH at 25°C	-	APHA 23 rd Edition 2012-4500 H ⁺ B	7.10	5.5 to 9.0
2	Total Suspended Solids	mg/L	APHA 23 rd Edition 2012-2540 D	27	30
3	Chemical Oxygen Demand	mg/L	APHA 23 rd Edition 2012-5220 B	70	100
4	Biochemical Oxygen Demand	mg/L	IS 3025 (Part 44) 1993 (RA 2009)	19	20

* As per Tamil Nadu Pollution Control Board (TNPCB) Standards

Tested by 
Mr. A. Alex Livingston Raja
Assistant Professor, Civil Engineering


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