

Permanently Affiliated to Thiruvalluvar University
Recognized by UGC under sections 2(f) and 12(B) of the UGC Act 1956
Accredited with "B" Grade by NAAC
Approved by the Government of Tamil Nadu

Phone:04174-235266 Email: principaliwc@gmail.com www.islamiahwomensartsandsciencecollege.com

7.1.2



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# 7.1.2. THE INSTITUTION HAS FACILITIES AND INITIATIVES FOR

- 1. Alternate sources of energy and energy conservation
- 2. Management of the various types of degradable and non-degradable waste
- 3. Water conservation
- 4. Green campus initiatives
- 5. Disabled- friendly, barrier free environment





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# 1. ALTERNATE SOURCES OF ENERGY AND ENERGY CONSERVATION

- A. Solar panel
- B. LED lights
- C. Energy audit





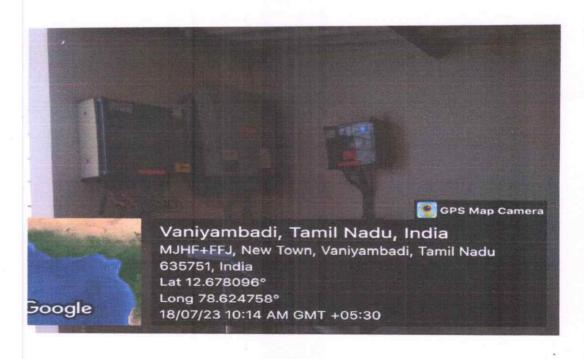
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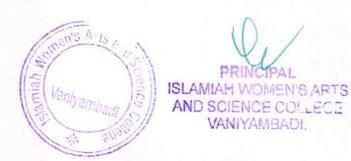
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### A. SOLAR PANEL

The Solar Energy Plant installed has tremendously reduced the usage of electricity. This is an effective approach to balance energy expenses and lessen the campus environmental impact.









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## SOLAR POWER PLANT PURCHASE BILL



Date: 18.96,2018

THE SECRETARY & CORRESPONDENT ISLAMIAH WOMEN'S ARTS & SCIENCE COLLEGE VANIYAMBADI

#### ODOTATION

6 1	CHAPTER ST	REEL T	IN SERE	AR PO	DWEE	FLORET
	N. 77 . N.S.	BUND T	\$20 1250A	DOMESTIC A	M. X7HURE	B. BUNDES

III.	DESCRIPTION	Qy	Usut Price	AMOUNT
01	25 KW SI'V Modales as per IES 01215 Standard	25 kW	14,27,500.00	14,27,500.00
	\$15/320 Wp of each, MAKE-COLDI OREEN			
	Solar Panel Mounting Structures,			
	FRONTUS 25 KW - 3 ph Solar Grid tied livertor			
	Junetion Box,			
	Cabling & Accessories,			
	Standard Earthening Kit and			
	other associated materials.			
	Instaliation & Commissioning			
	Less MNRE SUBSIDY 10% under 100 MW solar Tender			4,28,250.00
1	Total Payable by Institutions			9,99,250.00

OST 5% Included

For ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE H. Acoletta

Secretary & Correspondent
No: 6 Sri Ram Complex: 4 Road, Chithods: Erade - 618 102 ANIAH WOMEN'S COLLEGE
deamy@wasunia.web: www.mmunim.Contact: 99448 55776, 98435 COLLAGE
AMEADI-635 752.

/aniyamba



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SBALC



### General Description of Solar Plant

Project: Roof Top 50kW Grid-Tie Interactive Solar PV System

Pinject don	
-	Module Poly Crystalline / 315/ 320 Wp / Module.
	Paly Crystalline / 315/ 328 Wp / Standard
	Make : GOLDI GREEN
PV Module Description	Minn
T Diagon	1600 mm x 947 mm
a Reservoir	
Module dimension	25 kg
Madule welghi	Supports MS Steel frame Structure are Combination of Square pipe and MS Steel frame Structure with corrosion resistance paint with
	MS Steel frame Structure are Combination of Round pipe frame structure with corrosion resistance paint with
	was doing frame structure with corresion resistance parties
Structure	all Boit Nais are "SS"
Stracture	Electrical items
	Electrical Items FRONIUS 25, open space mounted, Natural convertion cooling
	FRONIUS 25 , open space mounts
String Invertor	Specification enclosed
	Specification enclosed Single Core 4mm EBXL-XLPO, Tinned Copper Un armored,
Cable: Module to String	As the country like his cally the country
Capit: Aibday is	25 Sqma4, core Aluminum / Multi Strand
Cable: ACDB to DB	Make: Polycap or Reputed make
	Make: Polycap or Reputed make: Panel: Single Core 4 Sq. mm copper cable and / Multi Strand
Cabitag: Earthing to Ground	main ground: Capper wirelo kg mm
	meia ground: Copper wirely ag mai Module Interconnector: MC4 Compatible, Fuse Type: 16Amps
Male-Female Counectors &	
Fuse	Protection Elements
	Treated Chambal Compassion
To the Dad	CI 6 feet with Chemical Compound
Earthing Red	Chemical compound
Earthing Compound	
Termination Strips	Type I, Type II on DC side and Type II, Type III on AC side
Surga Protection Device	1779-1177
	Monitoring
	AC/DC parameter monitoring available at INVERTER Screen
Remote Monitoring	and Remote online Monitoring available to get data anywhere
	for AC output
	Provides

Test report for PV Panel and Inverters are to be Provided at the Installation & Testing time of inspection 5 Year Warranty, AMC for another 20 Years will be provide Operational & Maintenance 4weeks from date of P() issued with advance payment release (AMC) Delivery Syste ENSUN For ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

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VANIYAMBADI.

# **TANGEDCO**

### CONSUMER LEDGER ABSTRACT - SOLAR SERVICES

### SOLAR NET FEED IN SERVICE

	426111652	Name of the Region	VELLORE
S/C No			TIRUPATTUR
Name of the Consumer	GENRAL SECRATRY		AEE/SS/VANIYAMBADI
Address	VME SOCITY		PERUMALPET
Meter Make & No	INESH SMART ENERGY (P) LTD - 04003675	Jectori	
Contracted Demand	60 KW	Distribution	PERUMALPET
Temporarily Reduced Load	KW Effective Date:	MF & Type	40 - Static Bidirectional Meter
Consumption Tariff	LM202	Solar PV Installed Capacity	25000 Watts
OTR No	055	Solar Generation Meter Make and No	-
Distribution Transformer Rated Capacity		GST Number	

-			Import				Export				Export	Net	Metering					Excess	PF		Network	
Reading Date	Entry Date	кwн	KVAH	MD PF	Import Units	KWH	KVAH	MD P		Export Units	Units		xport Expor		CC Charges	Fixed Charge	E - Tax	Demand Charges	enalty	Welding	Charges	CC
8-06-2018	18-06-2018				on 18-06							1 0	0	8789.94	65924 55	3120	3314.2	0	0			
3-02-2020	09-03-2020	4300	AND DESCRIPTION OF THE PERSON	2.65.89		Annual Contract of the	and the second second second	.01	1	or property or the	)	0	Control of the last of the las		65924.55	The second second second second	3314.2		0		1000	
3-04-2020	23-04-2020	4300	4600	Constitution of the last		Mary and the second		-	0	-	)	0	and the second second second second	13980	CONTRACTOR SERVICES CONTRACTOR SERVICES	A CONTRACTOR OF THE PARTY OF TH	5434.6	and the bostonian of the latest and the	0			
3-06-2020	02-07-2020	18280	manufacture or the Control of the Control	15.42.95	A COLUMN TWO IS NOT THE OWNER, THE PARTY NAMED IN	Godding or in the	A CONTRACTOR OF THE PERSON NAMED IN	12.3	1	0 0	The second second	0	-	7220	Annual State of the Land of th	Land and the second second	2779.5		0			T
3-08-2020	01-09-2020	25500		11.54.97		Application (for		and the same of th		0 .09	and become a little contract	0		8580	A STATE OF THE PARTY OF THE PAR		3301.5		0			Г
7-10-2020	29-10-2020	34080		13.27.98		-	A Charles Street	.1.9	Marie and Parket and P	0 .17	Same training territory	0	and the same of th	3820	THE PERSON NAMED IN		1516.5		0			
	30-12-2020	37900		13.51.89	AND RESIDENCE OF STREET, SALES	A SHAREST COLUMN TO SHAREST CO.	CONTRACTOR AND ADDRESS OF THE	.071	CAC And Assessment in	0 .09	of second second second	0		0 6421.44	THE RESERVE TO SHARE THE PARTY OF THE PARTY	Commence of the Parkers	2432.04		0			T
6-02-2021	26-02-2021	14321,44	46899.42	3.46	A CONTRACTOR OF THE PARTY OF TH	Charles Arrived 197	No. of Concession, Name of Street, or other Persons, Name of Street, or other Persons, Name of Street, Name of	.14.6	3	0 ,:	and the same of th	0		010979.46	Committee and the second section	A CONTRACTOR OF		2563.98	0			T
9-04-2021	30-04-2021	55300.9	58486.29	28.38.95	10979.46	1.4.	Contract to the last to the la	.14	1	0 0	A STATE OF THE PARTY NAMED IN	0		016227.19		And have been presented the		3744.72	C			T
	30-06-2021			28.38.99	16227.19	1.49	A STATE OF THE PARTY OF THE PAR	.02.8	MARKET STATE OF THE PARKS OF TH	0 .0	A SPINSOR OF THE	0	The second secon		27059.25	AND RESIDENCE OF THE PERSON NAMED IN	1466.96		0			T
	31-08-2021			18.29.92		Market Allendar	ACCORDING TO A STATE OF	.09.8	Street Squares and a	0 .1	Name and Address of the Owner,	0	0	017307.68	STATE OF THE PERSON NAMED IN	A CONTRACT OF STREET		11963.48	C			T
7-12-2021	31-12-2021	92442.68		Confliction like	17307.68	and and an experience of the last	A CONTRACTOR AND DESCRIPTION	.01	75	0 .0:	Color of the Color	0	the same of the sa	0 1258.8	A STATE OF THE PARTY OF T	-		1758.55	- 0		(A	T
5-02-2022	28-02-2022	93701.49	The second second	CONTRACTOR OF THE PARTY OF	1258.81		The same of the same	2.6	1	-	0	0		0 8700	-	A second second	3358.9	NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND POST OF THE PERSON AND POST OF THE OWNER, WHEN PERSON AND POST OF THE PERS	(	8 11111	9601.2	2
6-04-2022	30-04-2022	93701.49		15.92.9				-	1	-	-	0 0			105027.79	Contract of the same and the same		10814.78	- (	(	10401.	39
0-06-2022	02-07-2022	7887	8917	Control of the last		and the control of the	The second probability	3.55.8	Address of the local division in the	0 50		to the basis of the state of the state of		0 5363	A STATE OF THE PARTY OF THE PAR	Section of the Contract of		8270.42	- (		9121.14	4
6-08-2022	30-08-2022	13250	15144	A SACRED WINDOWS AND DRIVE		and the second second	processing the second	Charles problem in the	Section of the last of the las	0 96	with the same of the later of	the rest broken	0	NAME OF TAXABLE PARTY.	94632.62	A Committee of Street		3 25021.16	(		0 11171.10	61
7-10-2022	31-10-2022	7215.7		53.9.9		and the second s	5 471.6	9.85.	The same of the sa	0 656.	AND DESCRIPTION OF THE PERSON.	A CALL TO A SERVICE OF SALE		and Miller Charles of bertlevelant	41062.1		2517.80	Committee on the Street	(	) (	0 6153.8	45
9-11-2022	01-12-2022	27.07	CONTRACT TO A SECURITY OF SECURITY	25.76.9		make the comment	9 1	.171		0 163.	or a product of the last last last last last last last last	No. of Concession, Name of Street, or other Persons, Name of Street, or ot	0	The second state of the second second	21116.5	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN	1462.0	AND DESCRIPTION OF THE PARTY OF	(		0 5594.	4
9-12-2022	31-12-2022	86.22	101.15	The second second second	the Strate Control of the Strate Stra	A SHOW WATER			-	0 161.	AND REAL PROPERTY.	STATE OF THE PARTY NAMED IN	0 //		18809.5	1	1172.4		. ~	)	0 6153.8	45
1-01-2023	01-02-2023	139.16	164.69	13.52.8			The second section is the second	.338	STATE STREET	0 493.	NAME OF TAXABLE PARTY.	the same and the same and the			33710	THE RESERVOIR CONTRACTOR	2221.7	California de la Califo	1		0 5221.4	44
8-02-2023	01-03-2023	233.64		132.04	THE RESERVE THE PERSON NAMED IN	***		.226		0 202.	THE RESERVE AND ADDRESS OF THE PARTY NAMED IN	Charles or Colombia (Colombia)	1	0 493	The second second second	Contract Con	2930.0	marketing and an invitation of the Art person		1	0 5407.9	24
9-03-2023	30-03-2023	356.89	401.76	5 44.8.9		A 40 TO 10 T	3 39.69	Carrier Contract Tea	-	0 352.		THE RESERVE OF THE PARTY OF THE PARTY.	1201		3908 8	and the same of	2847.9				5780.8	85
9-04-2023	29-04-2023	466.43	518.12	2 54.8.9	4 4381.	49.1	6 59.56	1.02	91	0 725.	2 725.	2 0	11 -1	0 4301.	3300	1 1330	12011.5	1	Y	1/1/		
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10 05 202220-05-2023 677.59 738.18[59.72].96	8446.4 55.33 66.7950.9685	0 246.8	246.8	0	0 6	8446.4	75341.89	195004742.09	0	0	0 5780.88520.
30-03-2023-00-2023	The state of the s		198.4	0	0 0	4959.6	44239.63	195002780.73	0	0	0 5780.88520.
30-06-2023 01-07-2023 801.58 874.02 34.16 91 31-07-2023 31-07-2023 991.7 1079.67 51.04 92			188.4	0	0 6	7604.8	69469.85	205844365.47	0	0	0 5976.18 537.
31-08-202331-08-2023 1205.75 1305.8960.36 95		0 210	210	0	0 (	8562	78213.87		CONTRACTOR OF STREET	0	0 5976.18 537.
29-09-2023 29-09-2023 1383.84 1504.4963.96 .9	7123.6 77.48 95.9787.76.74	0 289.2	289.2	0	0 0	7123.6	65074.09	THE RESERVE OF THE PARTY OF THE	3399.76	0	0 5590.62503.
31-10-202331-10-2023 1567.47 1706.6358.84.91	7345.2 83.56104.0396.32.75	0 243.2	243.2	0	0 (			19920/4334.32	0	0	0 6168.96555.
29-11-2023 29-11-2023 1705.67 1860.84 48.84 .9	5528 86.56 108.05 8.16.75	0 120	120	0	0, (			19920(3338.31	0	0	0 5590.62503.
29-12-202302-01-2024 1788.58 1960.92 29.83	3316.4 97 121.113.56 .8	0 417.6	417.6	0	0 (	The second secon	30295.31		0	0	0 5783.4520.
29-01-202431-01-2024 1877.29 2066.2638.96.84	3548.4114.35140.9512.68.87	0 694	694	0	0, 0	3548.4	32414.63	19920/2268.13	O	0	0 5976.18 537.

Total Charges = cc charges+fc+ct+Exces demand charges+pf penalty+Welding+Network Charge+GST Amount Export credit will be adjusted against next bill Any Net excess charges at credit will not be carried forward after March /April of every year

BACK MAIN PAGE HOME

M. B 15/03/24

JUNIOR ENGINEER

O&M / TANGED CO / TEDC

PERUMALPET, VANIYAMBADI.

Vaniyambadi



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## B. LED LIGHTS

LED lights offer numerous advantages over traditional tube lights, including superior energy efficiency, extended lifespan, and cost-effectiveness. By consuming less electricity and requiring minimal maintenance, they not only reduce operational expenses but also align with sustainability objectives. Institutions can make a wise investment by transitioning to LED lights, cutting down on electricity consumption, and minimizing their environmental footprint.



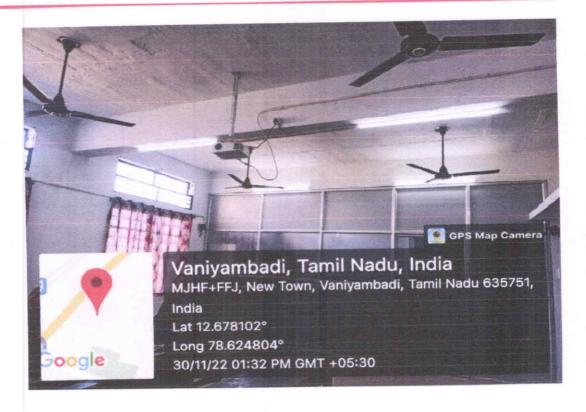






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### LED PURCHASE BILL

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	Cupumajoini 616	n date the train	main Piol	2-1
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Goods once sold cannot be taken back or exchanged.



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STIN: 33BMFPN4626K1ZX	CTDICAL	©: 04174 - 232 101 Cell: 9894 88 2008
PARAMOUNT ELE 270, Mohammed Ali Bazaar, Vaniyamba		
Ms. 15Lamoh Women belleg.	No. 3	108
Oty.   Particulars	Rate	Amount
100 Nbs 1"x1" 30w Surface, Paul fity LED while	/ /350	135000 - 0
64 Nbs 6W Spat fatty 250 white	3. 325/	-
lan DIS & 44.5 x.	{>	69331.
1 1	CH: NO:	76 6663
plu par 1/2 102033/=		4 9 2022
Bank Detail : 9	Total	86469/=
KARUR VYSYA BANK .  IFSC CODE: KVBL 000 1211	SGST @ 91.	7762-20
For PARAMOUNT ELECTRICALS	CGST @ 9~	7782.20
	Total	102033-40
oods once sold cannot be taken back or exchanged.	GR	102033/2





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CONNECTED LOAD LIST- LED LIGHT

ADEA		TYP	E	TOTAL QUALITY	DAILY kWh	MONTHL Y kWh
AREA		LED	TUBE LIGHT			
ADMIN BLOCK		6(15w), 23(21w)	2	31	3.225	70.95
AUDITORIUM		7(15w), 1(21w)	21	29	4.41	97.02
BLOCK A						52.46
BLOCKA	CLASS ROOM	3	12	15	2.43	53.46
	STAFF ROOM	15	10	25	3.15	69.3
	REST ROOM	2(15w)		2	0.15	3.3
BLOCK B					2.07	45.54
DLOCKD	NSFM&D Lab	7	8		2.07	45.54
	IDD LAB	3	10		2.07	
	CLASS ROOM	39	9		5.13	112.80
	STAFF ROOM	21		21	1.89	41.5
BLOCK C						
block	CHEMISTRY LAB	7	10	17	2.43	53.4
	BIOCHEMISTR Y LAB	17	12	29		
	CLASS ROOM	26	15	41	5.04	
	REST ROOM		9		1.62	35.6
BLOCK D						1000
BEGGILD	CLASS ROOM	4	24			
	STAFF ROOM	4	6	10	1.44	31.6
	COMPUTER LAB 1	1	11	12	2.07	45.5
	COMPUTER LAB 2	15(15w)		15	1.125	24.7
BLOCK E						
	ELL LAB	20(21w)		20	2.1	46.
	CLASS ROOM	62		62	5.58	122.7
SEMINAR HALL		9(15w),30(2 1w)	3	42	4.365	96.0
CONFERENCE					1	
HALL		10		10	0.9	19.
CANTEEN		6		6	0.54	
COMMON HALL			4		0.72	15.8
			TOTAL	495	60.825	1338.1

CONNECTED LOAD LIST (2022-2023)

AREA	TY	PE	TOTAL QUALITY	DAILY kWh	MONTHLY kWh
	LED	TUBE LIGHT			
LIBRARY	138		138	12.42	273.24
ARTIFICIAL INTELLIGENT LAB	32		32	2.88	63.36
ZOOLOGY LAB	6	4	10	1.26	27.72
		TOTAL	180	16.56	364.32

Vaniyambadi



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C. ENERGY AUDIT

### CERTIFICATE OF ENERGY AUDIT



# NATURE SCIENCE FOUNDATION

A Unique Research and Development Centre for Society Improvement (ISO 9001:2015, 14001:2015, 45001:2018 & 50001:2018 Certified Organization & Ministry of MSME Registered Organisation) Coimbatore - 641 004, Tamil Nadu, India. [www.nsfonline.org.in]









# Certificate of Energy Audit

NSF/ENERGY AUDIT/IWASC/2022/38

This is to certify that Islamiah Women's Arts and Science College, Vaniyambadi - 635 752, Tamil Nadu has successfully undergone 'Energy Audit' on 04th November 2022. Electrical energy conservation, energy saving measures and sustainability in compliance with the applicable regulations, policies and standards in the campus were assessed and found to be excellent.

This Certificate is valid till 05th November 2024. Ref. No: ISO/NSF/SER/R/07

(Dr. S. RAJALAKSHMI JAYASEELAN) Chairman of NSF Certified ISO QMS, EMS, EnMS, OHMSMS

(Mr. BSC. NAVEEN KUMAR) Faculty, Mahatma Gandhi National Council for Rural Education Ministry of Higher Education, New Delhi.

(Dr. B. MYTHILI GNANAMANGAI)

Certified Auditor IGBC AP & **ASSOCHAM** Indian Green Building Council

(Er. D. DINESH KUMAR) **BEE Certified Energy Auditor Bureau of Energy Efficiency** 





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# 2. MANAGEMENT OF THE VARIOUS TYPES OF DEGRADABLE AND NON-**DEGRADABLE WASTE**

- A. Solid waste management
- B. Liquid waste management
- C. Biomedical waste management
- D. Food waste management
- E. E-waste management
- F. Waste management audit







www.islamiahwomensartsandsciencecollege.com

# A. SOLID WASTE MANAGEMENT

- All the classrooms, academic buildings and the campus are cleaned regularly. The waste is separated and disposed properly in coloured dustbins placed at different locations.
- Collected waste is handed over regularly to the municipal corporation-collecting vehicle.





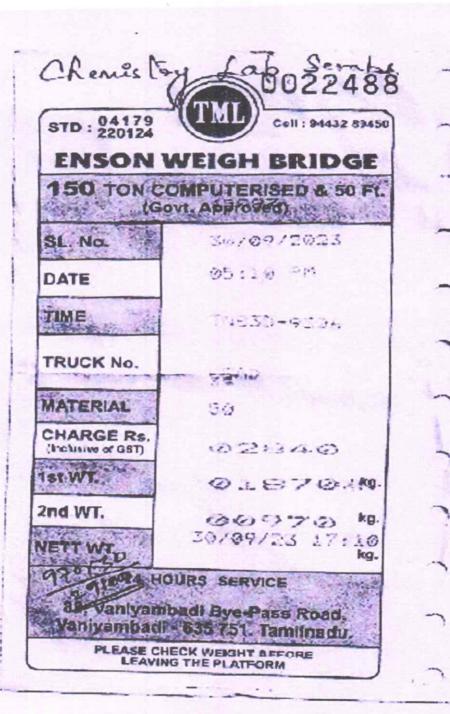




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## CHEMISTRY LAB SCRAP BILL







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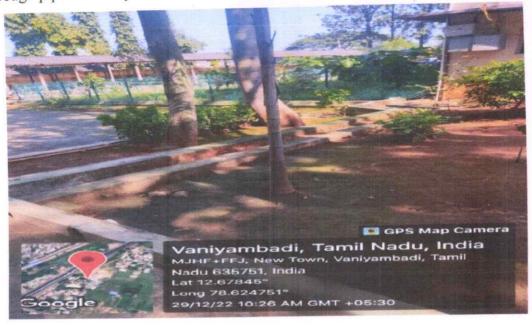
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# B. LIQUID WASTE MANAGEMENT

Hazardous chemicals and colours are not utilized in the biochemistry, chemistry or nutrition

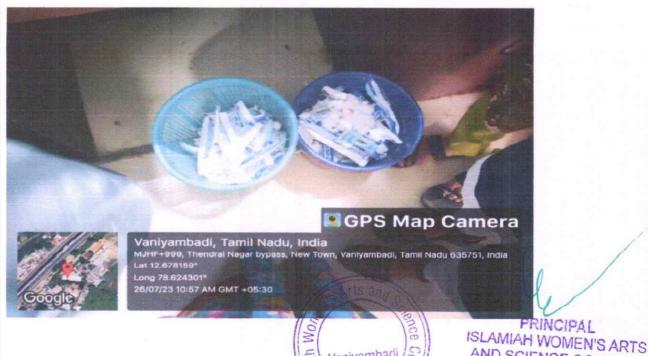
#### Lab

Waste water generated from labs containing acids and alkalis are neutralized and are discharged through pipeline safely.



### C. BIOMEDICAL WASTE MANAGEMENT

Disposal of biomedical waste such as sharp lancets and injection needles are UV sterilized, wrapped and disposed.



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AND SCIENCE COLLEGE

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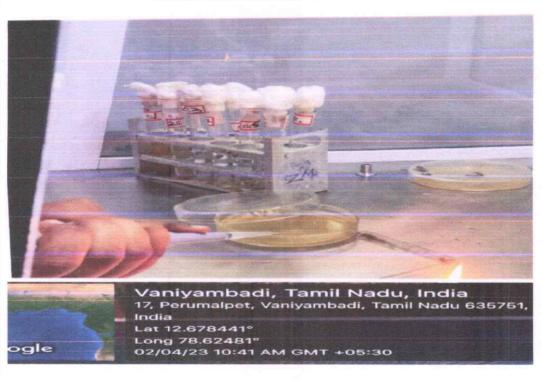
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### STERILIZATION OF MICROBIAL CULTURE

 Medical lab waste, such as blood and urine sample is safely disposed of by decontamination with 1% Sodium Hypochlorite.



### INOCULATION OF MICROBES







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## UV STERILSATION IN LAMINAR FLOW CHAMBER

• Laminar flow cabinet is used to handle bacterial cultures. It is safely disposed of after autoclaving and treatment with Lysol or 1% Sodium Hypochlorite.



#### NAPKIN INCINERATOR

• Four Incinerators are installed in restroom for safe disposal of Sanitary Napkins.



Vaniyambadi



### INCINERATOR EQUIPMENT BILL

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PRINCIPAL ISLAMIAH WOMEN'S ARTS

AND SCIENCE COLLECE VANIYAMBADI.





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#### D. FOOD WASTE MANAGEMENT

Organic food wastes generated in Canteen, Staff room and Classroom, Litter waste collected from garden are piled in the disposal pit and converted to high-quality nitrogen-rich manure.

#### VERMICOMPOST

Manure obtained is used for Herbal and Kitchen garden plantation.



### E. E-WASTE MANAGEMENT

The E-waste- Monitor, keyboard, CPU etc., is put to optimal use. All such equipment which cannot be reused or recycled is disposed of through authorized vendor. A MOU has been signed for the purpose.





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# MOU WITH TRITECH SYSTEMS - E WASTE DISPOSAL



3/12/4528

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क्राणिकृताि तमिलनाडु TAMILNADU SYSTEMS

GEETI BREALD S S.V.L. No : 50/e3/97 No.1.71st Street, 11th Sector K.K. Nagar, Chennai-78 Mob: 98400 91250

#### AGREEMENT

THIS AGREEMENT is entered at Vaniyambadi on this day 3rd day of December 2021 by and between (i) M/S TRITECH systems, having its registered office at 5.F.No.165, Porur Village, Ambattur Taluk, Thiruvallur District, Chennai - 600116 and represented by its proprietor, Mr. A. Mohammad Abdulla, herein after called as Tritech (which shall, wherever the context so admits, include it legal representatives, successors and assigns) on the one part: and(ii)Islamiah Womens' Arts and Science College (Recognized by UGC u/s 2(F) & 12(B) of UGC Act, 1956), affiliated to Thiruvalluvar University, Vellore, having its registered office at New Town. Vaniyambadi - 635 752, and represented by its Principal, Dr. M. Renu, herein after called as IWASC (which shall, wherever the context so admits, include its legal representatives, successors and assigns) of the other part(hereinafter collectively referred to as the "Parties" and individually as a party)

Cont. 2

Page 1 of 4

For TRITECH SYSTEMS

Propiletor

Principal

Islamiah Women's Arts and Science College Vaniyambadi - 635 752.

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-2-

WHEREAS certain scrap materials of e-waste are generated in the campus of IWASC and to be disposed of for recycling as per the applicable rules and whereas Tritech has approached IWASC and offered to purchase such e-waste scrap materials for recycling and accordingly furnished quotation therefore.

AND WHEREAS Tritech has represented that it has obtained necessary clearance/permission from the Tamil Nadu Pollution Control Board, Chennai-32 in accordance with the applicable statutory rules and regulations for the above said purpose

AND WHEREAS IWASC has accepted the said offer and both the parties have decided to enter in to an Agreement incorporating necessary terms and conditions governing the said transaction;

NOW THEREFORE IN CONSIDERATION OF THE MUTUAL COVENANTS AND PREMISES CONTAINED HEREIN, THE PARTIES HERETO ENTER IN TO THIS AGREEMENT AND AGREE THE FOLLOWING:

- 1. Purchase and Collection of e-wastes:
- 1.1 Tritech agrees to purchase from IWASC and IWASC agrees to sell, 'e-waste materials' as may accumulate, from time to time, in its campus to Tritech, Porur, Chennai - 116 during term of this agreement.
- 1.2 The rate of prices mentioned in the annexure shall remain fixed throughout the term of this Agreement unless the parties agree in writing for any increased rate of price.
- 1.3 IWASC will inform Tritech of the dates on which the 'e-Waste materials' can be collected from IWASC campus and Tritech will make its own arrangements to collect the said 'e-Waste materials' from IWASC campus on the said date or dates and in any case, at least once in three months. irrespective of the quantity accumulated.
- 2. Determination of weight, pricing and making payments:
- 2.1 Tritech shall arrange, at its expenses, to measure the weight of 'e-waste materials' on IWASC campus on a 'certified scale'.
- 2.2 IWASC will take in to account only weight of the 'e-waste materials', i.e., after deducting the weight of the packing materials or the containers and raise invoice against Tritech at the agreed rates.

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Vaniyambadi

FOR TRITECH SYSTEMS

Page 2 of 4

Principal Islamiah Women's Arts and Science College Vaniyambadi - 635 752.





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-3-

- 2.3 Tritech shall effect payment to IWASC on the basis of such invoice issued to Tritech before transporting the 'e-Waste materials' from campus of IWASC.
- 3. Compliance with applicable rules:
- 3.1 Tritech assures IWASC and undertakes that it shall strictly comply with all statutory rules, regulations or orders that are applicable in relation to collection, storage, segregation and disposal of 'e-Waste materials' for recycling and that Tritech shall be solely responsible therefore.
- 3.2 Tritech agrees to carry out the instructions/advice given by IWASC in regard to method of collection/removal of the 'e-Waste materials from IWASC campus.
- 3.3 IWASC reserves its rights to depute, wherever it is deemed necessary, its nominee to Tritech's site/storage facility to witness the destruction process of the 'e-Waste materials' collected from IWASC campus by Tritech. Tritech shall provide all assistance and cooperation for such visit of IWASC nominated nominee to the site/storage facility of Tritech.
- 3.4 Tritech will, after processing each batch of 'e-Waste materials' collected from IWASC campus, generate and provide a 'Green Certificate' to IWASC for audit purpose.
- 4. Liability and Indemnification:
- 4.1 Tritech hereby undertakes that it will handle the entire E-Waste materials collected or removed from IWASC campus, in strict accordance with all applicable statutory requirements including the provisions of e-waste (Management and Handling) rules, 2011, in relation to collection, transportation, storage, treatment and disposal of the said e-waste materials for recycling. In the event of any violation of any applicable statutory rules, regulations or order, by or on the part of Tritech or its employees or any other person(s) deputed by Tritech in this regard and involved in the said process, Tritech shall be solely liable thereto including meeting all consequences thereof.
- 4.2 Tritech hereby agrees to indemnify IWASC from any and all claims, actions or proceedings that may arise, or result in , costs, damages or penalties, with regard to collection, transportation, treatment, storage and disposal of the e-waste materials taken out from IWASC campus by Tritech for recycling.

5. Insurance:

Tritech agrees that it shall maintain 'a public liability insurance policy' for not less than Rupees 1,00,000 (Rupees one lakh only) or at the level as may be prescribed by the statutory authorities, from time to time, whichever is higher and ensure the validity of the insurance policy during the full term of this agreement,

Page 3 of 4

FOR TRITECH SYSTEMS

Proprietor

Principal
Islamiah Women's Arts and Science Collega
Vannyambadi - 635 752.

PRINCIPAL
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
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#### ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

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### 6. Term and Termination:

- 6.1 This agreement shall be in force for a period of 5 years from the date of its execution unless terminated earlier as provided herein.
- 6.2 This agreement may be terminated by either party hereto by issuing a notice of thirty days, in writing, to the other party without assigning any reason there for.
- 6.3 In the event of any such premature termination, each of the party hereto shall be entitles to such privileges and rights as might have accrued to it under the terms and conditions of this agreement up to the date of such termination.

#### 7. Entire Agreement:

This Agreement contains the entire understanding and agreement between the parties hereto and that supersedes all prior understanding and agreements whether oral or written, if any.

No modification or amendments to this agreement shall be binding unless agreed by the parties hereto, in writing.

IN WITNESS WHEREOF, THE PARTIES HAVE EXECUTED THIS AGREEMENT BY THEIR DULY AUTHORIZED REPRESENTATIVES ON THE DATE ABOVE SET FORTH.

WITNESSESS

1. Thy (V. Priya) No. 9/15, 1<sup>St</sup> Street Pudlour, Ashou wagar Chennai - 600083.

2. my (SHAZIA SAQULAIN. N)

ISLAMIAH WOMEN! ARTS AND SCIENCE COLLEGE VANIYAMBADI. For and on behalf of Tritech

Signature: Alldbillo

Name : A. Mohammad Abdulla

Position: Proprietor

For and on behalf of Islamiah Womens' Arts and Science College

Signature:

Name : Dr. M. Renu

Position : Principal

Page 4 of 4

FOR TRITECH SYSTEMS VANIYAMBADI

Islamiah Women's Arts and Science College Vaniyambadi - 635 752.



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केनरा बैंक CANARA BANK Branch : VANIYAMBADI DEPOSIT / PAY IN SLIP 24012022 Date SB/CA/OD/CC/RD/TL/DL A/c No. / Credit No. 8 5 3 9 2 0 1 0 0 4 0 Name: THE SECRETARY & CORRESPONDENT, IWASC, VNB. Tel / Mobile No: 9444 Amount Rupees in words Own Name of Bank & Bra Officer / Cashier / SWO

Secretary & Correspondent Islamiah Women's It's and Science College Vaniyambadi - 635 752.



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### Islamlah Womens College, Vaniyambadi **Department of Computer Science**

Submitted to the Secretary sb.

SIr, the following items found in the Dept of Computer Science may be given as scrap.

S. No	Particular	Quantity	Approximat e Price(Rs)
-	Computer Items		
1	TVS 240 Dot matrix printer	1	50
2	Speakers set	2	
3	Single speaker	1	20
4	Toner Cartridge 12 A	6	60
5	Seagate Hard Disk 500 GB	2	100
6	Network Cables	4 to 6 Mtrs	50
7	478 Socket Motherboard with 128 MB RAM	1	75
8	Mouse Cover	9	
9	Coaxial Cable	5	75
10	Coaxial Cable Connectors	6	
11	FRC cables	45	90
12	LG CD ROM IDE type	1	20
13	TVS dot matrix ribbon	2	10
14	Network Card	5	50
15	Floppy Disk	1 Box	20
16	CDs .	1 Box	
17	BSNL- ADSL modem	1	20
18	Tape Casette	1	50
19	SMPS		10
20	CPU (Motherboard, 2GB RAM, Cabinet, SMPS)	1	270
21	HP Printer	1	200
		Total	30
	ESTERIOR EN	Total	1200

The following items may be reused for Electrical works

	Electrical Iten	ns
21	3 pin Switch Box	
22	Elbow	3
23	Connector	4
24	Electric Cables	4
NON	1	2 to 4 Mtrs

2011/22.

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#### F. WASTE MANAGEMENT AUDIT

#### CERTIFICATE FOR WASTE MANAGEMENT AUDIT



# NATURE SCIENCE FOUNDATION

A Unique Research and Development Centre for Society Improvement (ISO 9001;2015, 14001;2015, 45001;2018 & 50001;2018 Certified & Ministry of MSME Registered Organization) Coimbatore - 641 004, Tamil Nadu, India. [www.nsfonline.org.in]









## Certificate of Waste Management Audit

NSF/WM AUDIT/IWASC/2022/38

This is to certify that Islamiah Women's Arts and Science College, Vaniyambadi - 635 752, Tamil Nadu has successfully undergone 'Waste Management Audit' on 04th November 2022. The recycled waste materials (Solid, Liquid and E-waste) and eco-friendly initiatives carried out in the campus to maintain a sustainable environment for the stakeholders were assessed and found to be excellent.

This Certificate is valid till 05th November 2024. Ref. No: ISO/NSF/SER/R/07

(Mrs. RAJALAKSHMI JAYASEELAN) Chairman of NSF Certified ISO QMS & EMS Auditor

(Mr. BSC. NAVEEN KUMAR) Faculty, Mahatma Gandhi National Council for Rural Education Ministry of Higher Education, New Delhi.

(Dr. B. MYTHILI GNANAMANGAI) Certified Auditor IGBC AP & ASSOCHAM Indian Green Building Council

(Dr. D. VINOTH KUMAR) Joint Director of NSF & Botanist Certified Lead Environment





### 3. WATER CONSERVATION

- A. Bore well recharge
- B. Open well
- C. Rain water harvesting
- D. Water tank
- E. RO water system
- F. Water use areas and taps in college campus
- G. Water analysis report
- H. Drinking water analysis report
- I. Ground water analysis report



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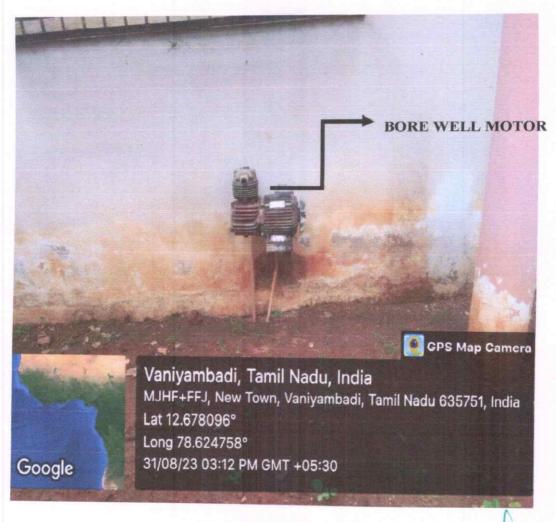
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#### A. BORE WELL RECHARGE

The main source of fresh water is Bore well and from the Municipality, Water Connection is provided to the college. The freshwater is mainly used for drinking, housekeeping, gardening, and domestic activity.

SL. No	Water Source	Location	Quantity
1	Bore well-01	Between Block A and Block B	1
2	Open well	Near Block D	1









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#### B. OPEN WELL

The installation of an open well on campus enhances water sustainability by efficiently tapping into groundwater resources. This strategic well placement ensures a reliable water **OPEN WELL** supply, especially during low rainfall periods.



#### C. RAIN WATER HARVESTING

Rainwater harvesting in the campus optimizes rainwater storage for efficient use, providing a sustainable water source for irrigation and other non-potable needs. This practice aligns with ecofriendly principles, promoting water conservation and reducing reliance on external sources.

Sl. No	Block	Area in Sq. feet (Approximate)
1	Admin Block	5120
. 2	A Block	8345
3	B Block	4739
4	C Block	6174
5	D Block	3316
6	E Block	15357 15 A7 15 Ap
7	Central Library	6753 6753

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The amount of storm water the catchment will produce can be determined with the following formula.

### $O = 2.8 \times C \times I \times A$

- Q: the design peak runoff rate, or the maximum flow of storm water the system will be designed for (in liters per second) C: the runoff coefficient.
- I: the rain fall intensity at the time of concentration read from the chosen IDF curve; A: the surface area of the catchment area (in ha (10,000 m2)

Rainwater Harvesting on campus (litter/Season) RWH=131\*59\*9487/100 =7, 33,250Liters

### RAIN WATER HARVESTING PIT

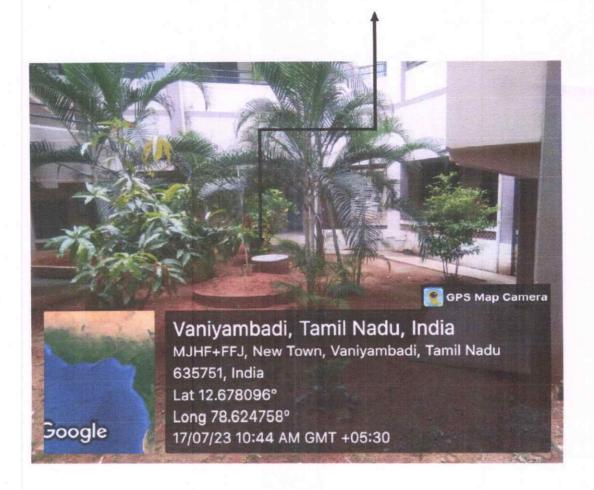






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#### RAIN WATER HARVESTING PIT



#### RAIN WATER HARVESTING

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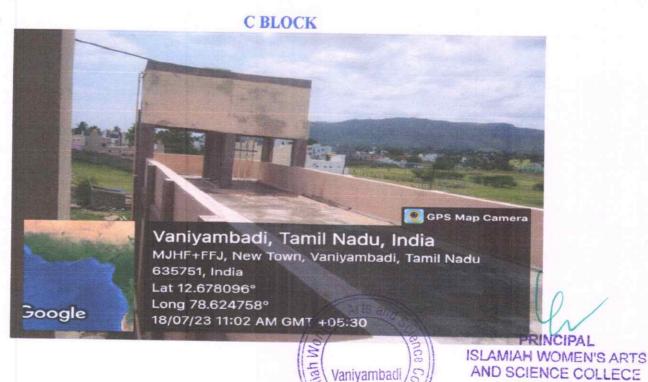


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Vaniyambadi, Tamil Nadu, India
MJHF+999, Thendral Nagar bypass, New Town, Vaniyambadi, Tamil Nadu 636751, India
Lat 12.678159°
Long 78.624301°
02/09/23 02:31 PM GMT +05:30

#### D. WATER TANK

The installation of a water tank on campus is vital for ensuring a sufficient and reliable water supply. Strategically positioned, the tank is designed to meet the water demands of the campus community. This infrastructure facilitates efficient storage and distribution, contributing to the availability of water for various purposes, including drinking, sanitation, and other essential needs.



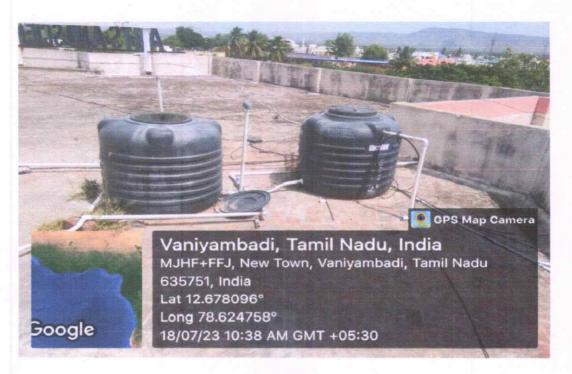
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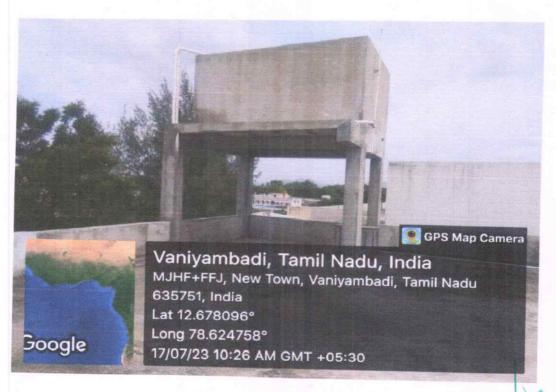
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#### A BLOCK



# **B BLOCK**



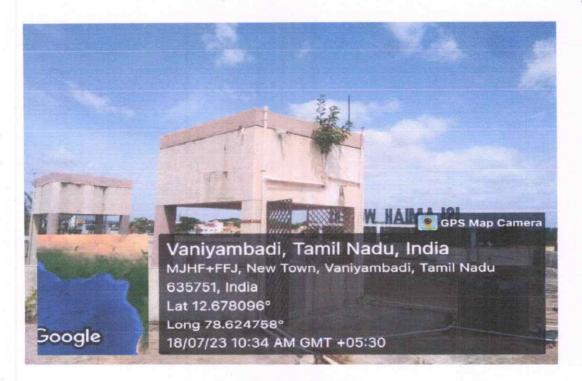




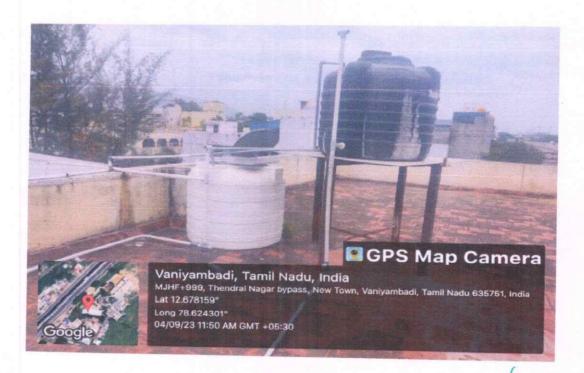
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#### A BLOCK



## **ADMIN BLOCK**







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# E. RO WATER SYSTEM

RO water systems in colleges offer students access to clean, hygienic water, promoting good health and reducing the risk of waterborne illnesses. This initiative supports the college's commitment to student well-being and creates an optimal learning environment.















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# F. WATER USE AREAS AND TAPS IN COLLEGE CAMPUS

L.No	Location of taps			Rest R	oom Tap
		taps	Tap	Staff	Student
1	Admin Block				
	Kitchen	3	-	7	
2	A Block				
	Ground Floor	5	6	2	-
	First floor	-			5
	Second floor				5
3	B Block				
	Ground Floor		6	4	36
4	C Block				
	Ground Floor	-	-	4	20
	First floor		-		22
5	D Block				
	Ground Floor		6	-	-
6	E Block				
	Ground Floor	23	-	-	_
7	Garden				
	Herbal Garden	1	-	-	-
	Kitchen Garden	1	-	-	-
8	Canteen	10	-	-	
9	Seminar Hall				
	Guest Room	3	-	3	
10	Lab				
	Biochemistry Lab	41	1	-	-
	NFSMD Lab	16	1	-	-
	Chemistry Lab	28	_	_	-
	IDD Lab	2	-	-	
11	Indoor Stadium	4		_	3
12	Watch Man Room	1			-
13	Bus Parking	1	-	-	_
	Total No of water	139	20	20	91
	Taps				71





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# G. WATER ANALYSIS REPORT



# ASIAN ENVIRO LABS PVT LTD

#.1, 200 Feet Paliavaram to Thureipekkem Redial Road, Zamin Paliavaram, Chennai - 600 043.Tamil Mada.



# TEST REPORT

ULR No:TC1005122000001404F

LRI No: AEL22100080A Date: 13.10.2022

Page 1 of 2

	CUSTOMER DETAILS
Customer Name & Address	Wis Islamiyah Womens College Vaniyambadi.

Customer Reference Test Request dated: 11.10.2022



	SAMP	LE DETAILS	
Product Category	Water	Sample Code	FD22100042
Sample Name	Drinking Water	Sample Received on	11.10.2022
Sample Description	RO Water	Sample Conditions at Receipt	Fit for Analysis
Sample Quantity& Packing	2 Ltr X 1 No	Test Commenced on	11.10.2022
Sampled by	Not drawn by laboratory	Test Completed on	13.10.2022
lesting performed at	Permanent Facility	Information Provided by Customer	Old Plant
	DETAILS	OF SAMPLING	
Sample Source	-	Date of Sampling	I -
Sampling Procedure	-	Sample Temperature	1

		TEST RESULT	S - CHEMI	IGAL		
SI.						rement as per 10500:2012
No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Acceptable Limit	Permissible limit in the absence of Alternate Source
1	pH value	IS 3025 (Part-11):1983		6.89	6.5 to 8.5	No Relaxation
2	Electrical Conductivity	IS 3025 (Part-14):2003	µS/cm	145	_	
ð	Colour	IS 3025 (Part-4):2021	Hazen	< 1	Max 5	Max 15
4	Odour	IS 3025 (Part-5):2018	**	Agreeable	Agreeable	Agreeable
5	Turbidity	15 3025 (Part-10) 1084	NITLI	- 1	Max 1	Man 5
6	Total Dissolved Solids	IS 3025 (Part-16):1984	mg/L	76	Max 500	Max 2000
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21):2009	mg/L	29.8	Max 200	Max 600
b	Calcium as Ca	IS 3025 (Part-40):1991	mg/L	5.98	Max 75	Max 200
9	Magnesium as Mg	IS 3025 (Part-46): 1994	mg/L	3.60	Max 30	Max 100
10	Chloride as CI	IS 3025 (Part 32):1088	mg/L	24.1	Max 250	Max 1000
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part-23):1986	mg/L	36.0	Max 200	Max 600
12	Carbonate Hardness as	IS 3025 (Part-21):2009	mg/L	20.8	Wax 200	Max 600
13	Non Carbonate Hardness as	IS 3025 (Part-21):2009	mg/L	NIL		
14	Iron as Fe	IS 3025 (Part-53):2003	mg/L	BDL(DL:0.05)	May 4.0	
15	Sulphate as SO <sub>4</sub>	IS 3025 (Part-24):1986	mg/L	5.1	Max 1.0	No Relaxation
16	Nitrate as NO <sub>3</sub>	15:3025 Part-34), 1988	my/L	5.1	Max 200	Max 400
17	Sítica as SiOz	IS 3025 (Part-35):1988	mg/L	5.1	Max 46	No Relaxation
18	Free residual chlorine	IS 3025 (Part-26):2021	mg/L	BDL(DL:0.1)	0.2	1

Mugian K TM Ghemicai Thanteraisciven A

Authorized Signatory

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# ASIAN ENVIRO LABS PVT LTD

#.1. 200 Feet Pallavarom to Thuraipakkam Radial Road. Zamin Pallovaram, Chennai - 600 043. Tamil Madu.



# TEST REPORT

ULR	No:T	C10	051	220	0000	1404F
-----	------	-----	-----	-----	------	-------

RI No	AEL22100080A	Date: 13.10	2022		Page 2 of 2
		TEST RESUL	TS - BIOLOGICAL		
SI.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirements as per is 10600:2012
1	Coliform	IS 1622 :1981	MPN/100ml	< 2	Absent/100 ml
5	Escherichia Coli	IS 1622 :1981	MPN/100ml	<2	Absent/100 ml

DDL - Below Detection Limit, DL - Detection Limit, MPN - Most Probable Number.

NOTE: < 2 MPN/100ml Considered as absent.

Remarks: The above water sample Complies with Acceptable limits of drinking water specification as per IS 10500:2012 with respect to above parameters leafed.

End of Report

Authorized Signatory

The results are related to the sample submitted for analysis and this report shall not be reproduced except in full without the written approval of the laboratory. AEL/QAD/FRM/100/01-00

> Vaniyambadi \*

PRINCIPAL ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLECE VANIYAMBADI.

Thamaraiselvan.A



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# H. DRINKING WATER ANALYSIS REPORT



# ASIAN ENVIRO LABS PVT LTD

#.1, 200 Feet Pollavarem to Thuraipaldam Radial Road, in Poliavaram, Chennai - 600 043. Tamil Nadu.



# TEST REPORT

CUSTOMER DETAILS

ULR No:TC1005122000001405F Page 1 of 2 Date: 13.10.2022 LRI No: AEL22100081A

Customer Name & Address	M/s Islamiyah Womens Col Vaniyambadi.	llege	0
Customer Reference	Test Request dated: 11.10.2	022	TAUTHIS LABORATORY
	SAMP	LE DETAILS	
	Water	Sample Code	FD22100043
Product Category	Drinking Water	Sample Received on	11.10.2022
Sample Name	NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, W	Sample Conditions at Receipt	Fit for Analysis
Sample Description	RO Water	Test Commenced on	11.10.2022
Sample Quantity& Packing	2 Ltr X 1 No		13.10.2022
Sampled by	Not drawn by laboratory	Test Completed on	10.10.2022
Testing performed at	Permanent Facility	Intermation Provided by Customer	Plant Near Bell
1 double participation of the	DETAILS	OF SAMPLING	

a I A III A Ducking	2 Ltr X 1 No	Test Commenced on	11,10,6066
Sample Quantity& Packing		Test Completed on	13.10.2022
Sampled by	Not drawn by laboratory	Intermation Provided by	and the Pall
Testing performed at	Permanent Facility	Customer	Plant Near Bell
1 Gotting p	DETAIL	S OF SAMPLING	
	T	Date of Sampling	
Sample Source		Sample Temperature	-
Sampling Procedure	1		
	TEST RES	ULTS - CHEMICAL	

		TEST RESULT	-			rement as per 10500:2012
SI. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Acceptable Limit	Permissible limit in the absence of Alternate Source
1	pH value	IS 3025 (Part-11):1983	-	6.62	6.5 to 8.5	No Relaxation
2	Electrical Conductivity	IS 3025 (Part-14):2003	µS/cm	38		
3	Colour	IS 3025 (Part-4):2021	Hazen	< 1	Max 5	Max 15
4	Odour	IS 3025 (Part-5):2018		Agreeable	Agreeable	Agreeable
D	LUIDIDITY	15 3025 (Part-10), 1904	INTU	- 1	ivian i	ivian 5
6	Total Dissolved Solids	IS 3025 (Part-16):1984	mg/L	21.0	Max 500	Max 2000
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21):2009	ma/L	5.9	Max 200	Max 600
8	Calcium as Ca	IS 3025 (Part-40) 1991	mg/L	1.19	Max 75	Max 200
9	Magnesium as Mg	IS 3025 (Part-46):1994	mg/L	BDL(DL:1.0)	Max 30	Max 100
10	Unionde as Ci	IS 3025 (Part-32):1988	mg/L	7.39	Max 250	Max 1000
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part-23):1986	mg/L	8.95	Max 200	Max 600
12	Carbonale Hardness as G8CO <sub>3</sub>	15 3025 (Part-21):2009	mg/L	5.9	-	
13	Non Carbonate Hardness as	IS 3025 (Part-21):2009	mg/L	NIL	-	
14	Iron as Fe	IS 3025 (Part-53):2003	mg/L	BDL(DL:0.05)	Max 1.0	No Relaxation
15	Sulphate as SO <sub>4</sub>	IS 3025 (Part-24):1986	mg/L	BDL(DL:1.0)	Max 200	Max 400
16	Nitrate as NO <sub>3</sub>	IS:3025 Part-34): 1988	mg/L	< 2	Max 45	No Relaxation
17	Silica as SiO <sub>2</sub>	IS 3025 (Part-35):1988	mg/L	BDL(DL:2.0)	THICK 45	NO Relaxation
18	Free residual chlorine	IS 3025 (Part-26) 2021	mg/L	BDL(DL:0.1)	0.2	1

Authorized Signatory
The results are related to the sample submitted for analysis and this report shall not be reproduced except in full without the written approval of the laboratory

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PRINCIPAL ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLECE VANIYAMBADI.

Thamaraselvan A



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# ASIAN ENVIRO LABS PVT LTD

# 1, 200 Feet Pallavaram to Thursipakkam Radial Road in Pallavaram, Chennai - 600 043 Tamil Nadu.



## TEST REPORT

ULR No:TC1005122000001405F

Date: 13.10.2022 LRI No AEL22100081A

Page 2 of 2

		TEST RESUL	ILTS - BIOLOGICAL		
Si. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirements as per IS 10500:2012
1	Coliform	IS 1622 1981	MPN/100ml	< 2	Absent/100 ml
2	Escherichia Coli	IS 1622 1981	MPN/100mi	< 2	Absent/100 ml

BDL - Below Detection Limit, DL - Detection Limit, MPN - Most Probable Number

NOTE < 2 MPN/100ml Considered as absent

Remarks The above water sample Complies with Acceptable limits of drinking water specification as per IS 10500:2012 with respect to above parameters tested.

\*\*\*End of Report\*\*\*



Islamiah Women's Amound Science College Vaniyambadi - 635 752.

Authorized Signatory

**Authorized Signatory** The results are related to the sample submitted for analysis and this report shall not be reproduced except in full without the written approval of the laboratory AEL/QAD/FRM/100/01-00

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200 Feet Pallawaram to Thuraipakkam Radial Road, Zemin Pallawaram, Chennai - 600 043, Tamil Nadu.



# TEST REPORT

ULR No:TC1005122000001406F

Page 1 of 2 Date: 13.10.2022 LRI No. AEL22100082A

	CUSTOMER DETAILS	
Cuetomer Name & Aridrees	M/s Istamiyah Womens College Vaniyambadi.	
Customer Reference	Test Request dated: 11 10.2022	TETRAC LANGEATON

	SAMP	LE DETAILS	
Product Category	Water	Sample Code	FD22100044
Sample Name	Drinking Water	Sample Received on	11.10.2022
Sample Description	RO Water	Sample Conditions at Receipt	Fit for Analysis
Sample Description Sample Quantity& Packing	I & LIT A 1 NO	Test Commenced on	11.10.2022
Sampled by	Not drawn by laboratory	Test Completed on	13.10.2022
Lesting performed at	Permanent Facility	Information Provided by Customer	Backside Ro Plant
	DETAILS	OF SAMPLING	
Sample Source	1-	Date of Sampling	
Sampling Procedure	**	Sample Temperature	

		TEST RESULT	S-CHEM	ICAL		
SI. No.	PARAMETERS	TEST METHOD	UNIT	RESULT	Requirement as per IS 10500:2012	
					Acceptable Limit	Permissible limit in the absence of Alternate Source
1	pH value	IS 3025 (Part-11):1983	**	6.76	6.5 to 8.5	No Relaxation
2	Electrical Conductivity	IS 3025 (Part-14) 2003	µS/cm	40.0		-
5	Colour	15 3020 (Fart-4).2021	Hazen	< 1	Max 5	Max 15
4	Odour	IS 3025 (Part-5):2018		Agreeable	Agreeable	Agreeable
5	Turbidity	IS 3025 (Part-10):1984	MTH	e 1	May 1	Man S
6	Total Dissolved Solids	IS 3025 (Part-16):1984	mg/L	22	Max 500	Max 2000
7	Total Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21):2009	mg/L	6.9	Max 200	Max 600
0	Caicium as Ca	IS 3025 (Part-40):1991	mg/L	1.59	Max 75	Max 200
9	Magnesium as Mg	IS 3025 (Part-46): 1994	marl	BDL(DL:10)	Max 30	Max 100
10	Chloride as Ci	IS 3025 (Part-32) 1088	mg/L	7.00	iviax 250	
11	Total Alkalinity as CaCO <sub>3</sub>	IS 3025 (Part-23):1986	mg/L	9.9	-	Max 1000
12	Carbonate Hardness as	IS 3025 (Part. 21) 2000	mg/L	0.3	Max 200	Max 600
13	Non Carbonate Hardness as CaCO <sub>3</sub>	IS 3025 (Part-21):2009	mg/L	NIL.		
14	iron as Fe	IS 3025 (Part-53):2003				**
15	Sulphate as SO <sub>4</sub>	IS 3025 (Part-24):1986	mg/L	BDL(DL:0.05)	Max 1.0	No Relaxation
16	Nitrate as NO-	19:3025 Part 34): 1000	mg/L	BDL(DL:1.0)	Max 200	Max 400
17	Silica as SiO <sub>2</sub>	IS 3025 (Part-35):1988	mg/L	56	Max 45	No Relaxation
18	Free residual chlorine	IS 3025 (Part-26):2021	mg/L	BDL(DL:2.0)		**
		1 0 00E0 (1 811-20) 2U21	mg/L	BDL(DL:0.1)	0.2	4

Thomaca selvan, A Managing Director

Authorized Signatory
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Coliform

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Apsenu Tuu mi

Absent/100 ml

5%

## TEST REPORT

ULR No:TC1005122000001406F

MPN/100ml

Page 2 of 2 Date: 13.10.2022 LRI No: AEL22100082A TEST RESULTS - BIOLOGICAL Requirements as per IS 10500:2012 RESULT SI TEST METHOD PARAMETERS No.

IS 1622:1981 Escherichia Coli low Detection Limit, DL Detection Limit, MPN Most Probable Number

15 1622 : 1981

NOTE: < 2 MPN/100ml Considered as absent. Remarks: The above water sample Complies with Acceptable limits of drinking water specification as per IS 10500:2012 with respect to above parameters tested.

"End of Report"

Authorized Signatory
The results are related to the sample submitted for analysis and this report shall not be reproduced except in full without the written AEL/OAD/FRM/100/01.00

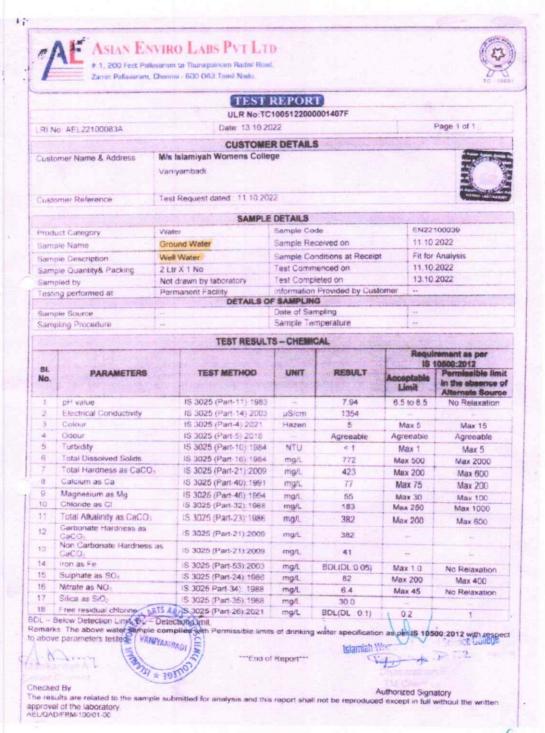
> Arts and Vaniyambadi



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# I. GROUND WATER ANALYSIS REPORT



Vaniyambadii Vaniyambadii



# 4. Green campus initiatives

- A. Plastic Free Campus
- B. Green Campus
- C. Herbal Garden
- D. "PEN"-Drive
- E. Tobacco Free Campus
- F. Vehicle Restricted Area
- G. Bicycle And Electronic Bike
- H. Green Audit
- I. Environmental Audit



MMATHON WASAINSH

# ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE

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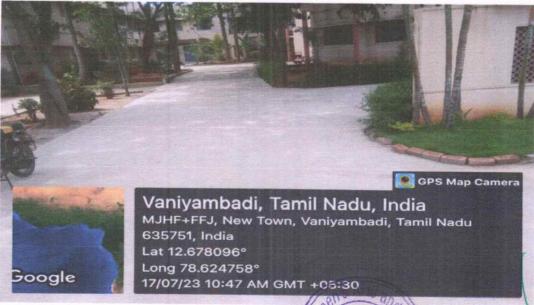
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## A. PLASTIC FREE CAMPUS

The campus-initiated efforts to minimize plastic usage, encouraging students to actively reduce their reliance on plastics. Through awareness campaigns and educational programs, students were advised on the importance of reducing plastic consumption and provided with practical alternatives. These initiatives aimed to foster a culture of sustainability and responsibility towards the environment within the campus community.





Vaniyambadi

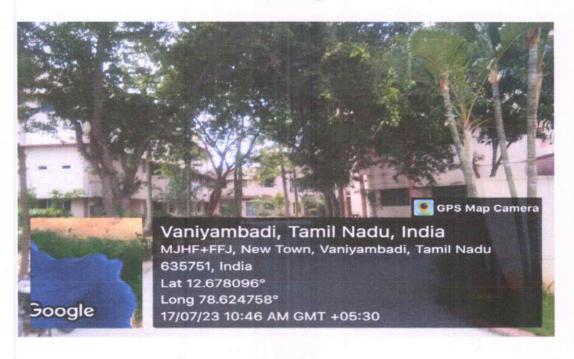


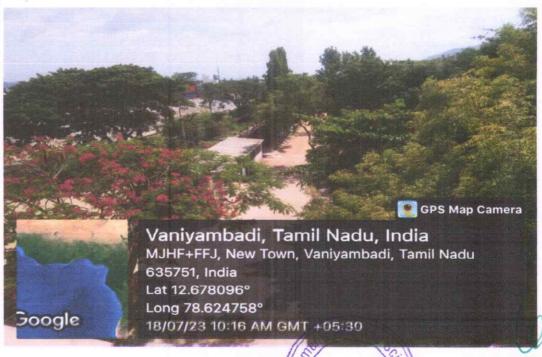
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# **B. GREEN CAMPUS**

A green campus integrates eco-friendly practices such as utilizing renewable energy sources, promoting biodiversity, implementing waste reduction strategies, and educating students on environmental stewardship. This holistic approach not only reduces the environmental footprint of the campus but also fosters a culture of sustainability among students and staff.





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## C. HERBAL GARDEN

The college launched a Herbal Garden initiative, where students were actively involved in the cultivation and maintenance of herbal plants. This hands-on experience not only empowered students but also contributed to the college's role in fostering environmental consciousness. By preserving a green campus and promoting the cultivation of herbal plants, the college played a pivotal role in nurturing a sustainable and eco-friendly environment.



# D. "PEN"- DRIVE

The throwaway culture of today has disconnected us from the emotional value once associated with pens and pencils. These tools were once symbols of learning, but now they're often seen as mere plastic waste. To combat this, college installed drop boxes for collecting empty pens and markers, aiming to raise awareness among school and college students about the environmental impact of our consumption habits.





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## E. TOBACCO FREE AREA

After a thorough inspection, the institution was awarded certification as a tobacco-free zone campus. This recognition signifies the institution's commitment to promoting health, reducing second-hand smoke exposure, and fostering a clean and supportive environment for both students and staff.





Vaniyambadi Santa AND SCIENCE COLLECT





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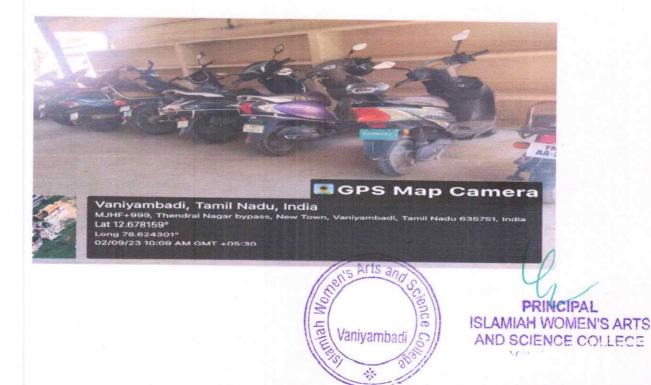
## F. VEHICLE RESTRICTED AREA

Designated vehicle restricted zones established on campus, having parking area secluded from campus and initiatives were taken to promote active transportation like bicycles and e-bikes, enhancing safety, reducing congestion and encouraging eco-friendly community options.



## G. BICYCLE AND ELECTRONIC BIKE

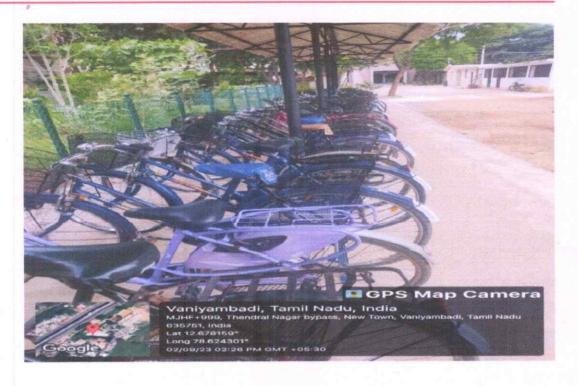
Electric bicycles offer students a time-saving advantage by enabling them to circumvent traffic congestion and reduce overall travel times. This not only enhances efficiency but also contributes to the improvement of physical health. Additionally, the environmental benefits associated with the use of electric bicycles align with sustainability goals, making them a holistic and eco-friendly transportation solution for students.

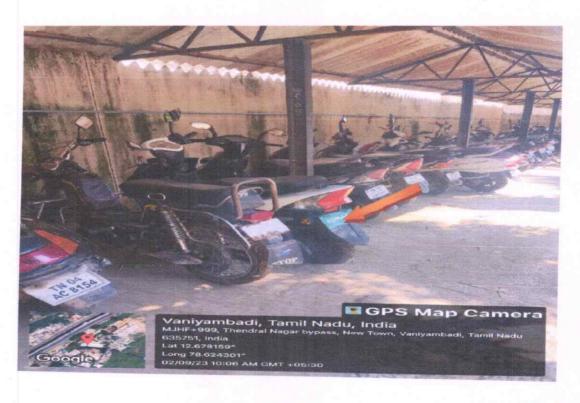




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### H. GREEN AUDIT

#### CERTIFICATE OF ENERGY AUDIT



#### I. ENVIRONMENTAL AUDIT

#### CERTIFICATE OF ENVIRONMENT AUDIT



Vaniyambadi

36

AND SCIENCE COLLEGE

VANIYAMBADI.



# PROGRAMMES ORGANIZED FOR GREEN **INITIATIVE**



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# 1. AWARENESS PROGRAMME ON SINGLE USE OF PLASTIC



# Islamiah Women's Arts and Science College

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Telephone: +91 4174 - 235 266 e-mail: principaliwc@gmail.com

# CIRCULAR

IWC/CIR/48/22-23

14.10.2022

This is to inform you that the Swachh Bharat Abhiyan Committee is organizing an Awareness program on \*Single Use of Plastics\* on 15th October 2022 at 11.30 a.m. in the Seminar Hall for all the III year students.

The subject in charges requested to attend the program hour wise.

By Order

Copy to:

1. Secretary and Correspondent

2. Head of the Department

Principal Islamlah Women's Arts and Science College Vanıyambadı - 635 752.

Vaniyambadi Colence



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#### REPORT

## AWARENESS ON SINGLE USE OF PLASTICS

On 15<sup>th</sup> October 2022, "Awareness on Single use of plastics" a program was organized by Swachh Bharat Abhiyan at our College premises; the session began at 11.30 a.m. in Seminar Hall, with rendering verses from the Holy Quran and followed by Tamizh Thai vazhthu. Welcome address delivered by Ms. Dharshini., III B.Sc., Biochemistry Student Secretary of Swatchh Bharath Abhiyan. Opening remarks and Presidential address was delivered by our Principal, Dr. M. Renu, She highlighted about the topic which was chosen for the awareness and also emphasized about the importance of Eco friendly usage with this fine closure Ms. E. Shobana, Assistant Professor, Dept. of English introduced the resource person of the day Mr.G.Palani B.Sc. Municipality Commissioner of Jolarpet town. The Chief Guest felicitated by our principal and he expressed his gratitude to the principal.

The program was taken over by the resource person, Mr.G.Palani, B.Sc., Municipality Commissioner Jolarpet. He discussed various aspects of Plastics awareness with his Power Point Presentation. He gave a very good explanation of Eco friendly system management and consequences of using excess plastics in the day today life which becomes a challenging among the new generation. The main highlight of the program is to Ban on Single Use plastic in India many points regarding plastics and its problems were clearly explained to the student's by showing them the photos from the PPT which insisted the young minds to Ban the Plastic were the main motive of the program.





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We received good response from the participants and the programme wrapped up with the vote of thanks by Ms.Suha Fathima, she thanked the resource person, Management, Principal, HOD, Swatch Bharat Coordinator Ms.D.Sudha, Assistant Professor, Department of Biochemistry and Faculty members and participants for their active support on making the programme a grand success. The program came to an end up with National Anthem.

Coordinator

COORDINATOR SWACHH BHARAT ABHIYAN ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

Principal

Principal

Islamiah Women's Arts and Science College Vaniyambadi - 635 752.

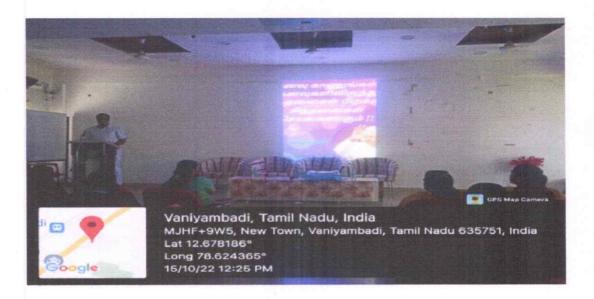
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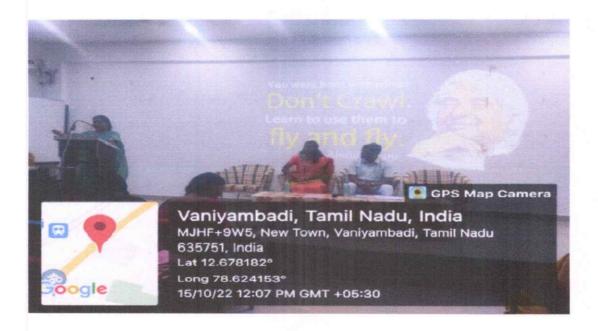


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# AWARENESS PROGRAMME ON SINGLE USE OF PLASTIC









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# 2. AWARENESS PROGRAMME ON "REDUCE AND RECYCLE PLASTIC"



# Islamiah Women's Arts & Science College

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#### CIRCULAR

IWC/CIR/22-23

01.11.2022

This is to inform to all Departments that Enviro Club is organizing an Awareness programme on "Reduce and Recycle Plastics" on 04.11.2022 at Seminar Hall Mr. S.VENKATACHALAM, M.Com.CAIIB, DYN Retired Bank Manager, Vanakkam Yoga Nature center, Vaniyambadi, will be the Resource person for the Programme.

The Staff members and Students are cordially invited to attend the programme.

s Arts

By order

Principal Islamiah Women's Arts and Science College Vannyambadi - 635 752

Copy to:

1. Secretary and Correspondent

2. Heads of the Department

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# REPORT

# "AWARENESS PROGRAMME ON "REDUCE AND RECYCLE PLASTIC"

Enviroclub organized a program on "Reduce and Recycle Plastics" on November 4, 2022. During this program Principal Dr.M.Renu gave the presidential address. The resource person Mr. S. Venkatachalam, a retired Bank Manager and representative from Vanakkam Yoga Centre, Vaniyambadi. He discussed the disadvantages of plastic. He emphasized the use of eco-friendly alternatives in daily life, such as Coir dish brushes, Neem and Babool twigs for toothbrushes, cloth bags instead of plastic, and Coir mats. The session aimed to raise awareness about the need to minimize plastic usage and promote sustainable alternatives. 140 Biochemistry and 130 Nutrition students has attended the program.

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COORDINATOR
ENVIRO CLUB
ISLAMIAH WOMEN'S ARTS
AND SCIENCE COLLEGE
VANIYAMBADI,

Principal

Islamiah Women's Arts and Science College Vanıyambadi -,635 752.

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# Reduce and Recycle Plastics on 4th November 2022







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# 3. NATIONAL POLLUTION CONTROL DAY

# ISLAMIAH WOMEN'S COLLEGE

ARTS & SCIENCE) Maintained And Managed By : he Vaniyambadi Muslim Educational Society 3: Office : 233014 College: 235266 Vaniyambadi Pin: 635 752. Vellore District Tamil Nadu.

# CIRCULAR

IWC/CIR/120A/21-22

01.12.2021

This is to inform that YRC of Islamiah Women's Arts & Science College is going to organise a Seminar on "NATIONAL POLLUTION CONTROL" on 02.12.2021 from 10:00 am to 11:00 am to observe "NATIONAL POLLUTION CONTROL DAY" in Seminar Hall.

By order

Copy to:

1.Secretary and Correspondent

2.Advisor

3. Heads of the Department

PRINCIPAL

Islamiah Women's Arts and Science College Vanıyambadi - 635 752.



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Telephone: +91 4174 - 235 266 e-mail: principaliwc@gmail.com

Dr. M. RENU. M.B.A., (FIN.), M.B.A., (HRM), M.Com., M.Phil., PGDCA, SET, Ph. D.

30.12.2021

# NATIONAL POLLUTION CONTROL DAY REPORT

YRC organized a program on "National Pollution Control Day" on 2nd December, 2021 in Seminar Hall. S. Aruna (Head of The Department of BioChemistry) was the guest of honor of the day. She addressed the students by presenting a PPT about "National Pollution Control" to raise awareness about the hazards of Air pollution. It was an informative session. Students from various departments had gathered and it was a very interesting program which came to an end successfully.

With Regards

[Dr.M

Principal Islamiah Women's Arts and Science College Vaniyambadi - 635 752.



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To mark National Pollution Control Day on December 2, 2021, the Youth Red Cross (YRC) organized a seminar focused on the theme of "Pollution Control."

# NATIONAL POLLUTION CONTROL DAY SLAMIAH WUMEA 2 MB12 MHV 020 VANIVAMBATH







# 4. THE ROLE OF WOMEN IN CLIMATE PROOFING IN INDIA



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# CIRCULAR

IWC/CIR/34/22-23

10.09.2022

This is to inform to all Departments that PG DEPARTMENT OF BIOCHEMISTRY & FOODS AND NUTRITION is organizing "THE ROLE OF WOMEN IN CLIMATE PROOFING IN INDIA" in Collaboration with BHUMII TRUST on 12.09.2022 at 11.00 A.M. @ Seminar Hall. D.Gnana Suria Bahavan, B.Sc. (Agri), M.A. (J.M.C.), Founder cum Chairman, BHUMII Trust, Centre for Conservation of Natural Resources, Thekkupattu Village, Vaniyambadi will be the Resource person for the Programme.

The Staff members and Students are requested to attend the programme without fail.

By Order

Arts and

Vaniyambad

Copy to:

1. Secretary and Correspondent

2. Head of the Department

Principal

Principal

Islamiah Women's Arts and Science College Vaniyambadi - 635/752.

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## REPORT

# THE ROLE OF WOMEN IN CLIMATE PROOFING IN INDIA

Enviroclub, in collaboration with BHUMII TRUST, hosted an event on "The Role of Women in Climate Proofing in India" on September 12, 2022, at 11:00 A.M. Principal Dr.M.Renu gave presidential address. Ms.Unaiza usmani introduced the resource person D. Gnana Suria Bahavan, Founder cum Chairman of BHUMII Trust, served as the resource person. The event featured discussions on the vital involvement of women in climateproofing initiatives. A Plantation Drive, led by the chief guest, emphasized a commitment to environmental sustainability within the campus. These initiatives enhance academic pursuits and foster environmental awareness and responsibility. Biochemistry 140 and Nutrition 130 students has attended the program.

Arts and

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COORDINATOR **ENVIRO CLUB** ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE VANIYAMBADI.

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# The Role of Women in Climate Proofing in India on September 12, 2022







# 5. DISABLED- FRIENDLY, BARRIER FREE ENVIRONMENT

- A. Pedestrian friendly pathway
- B. Ramp
- C. Disabled friendly toilet



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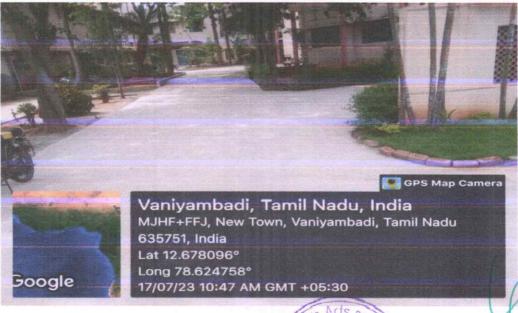
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#### A. PEDESTRIAN FRIENDLY PATHWAY

The campus has implemented a barrier-free pedestrian pathway system, ensuring accessibility for all individuals, including those with mobility challenges. This initiative aims to create an inclusive environment where everyone can navigate the campus safely and comfortably, regardless of physical abilities.



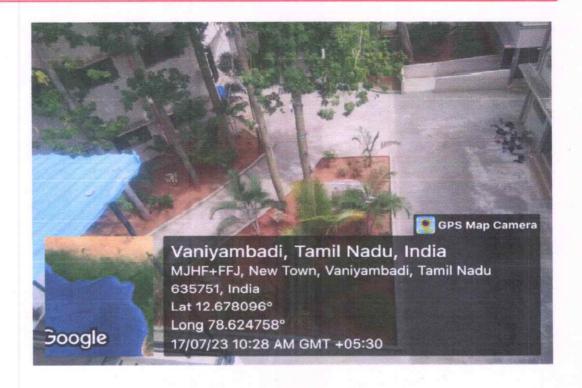


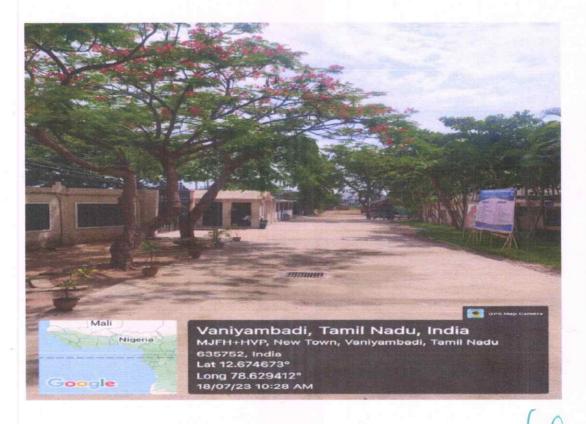
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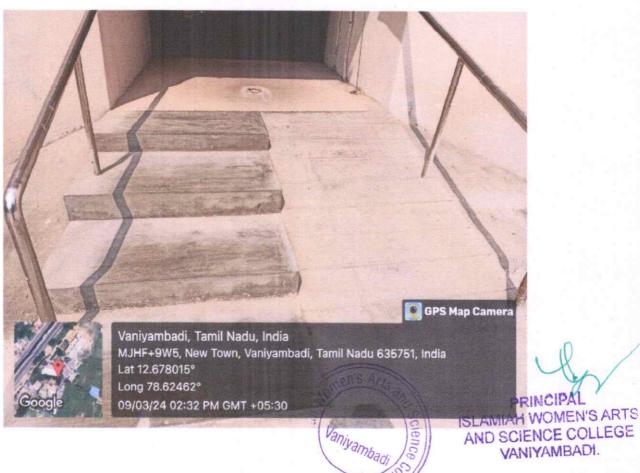
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# B. RAMP

The college has strategically implemented ramp facilities, ensuring accessible pathways for individuals facing mobility challenges. This proactive approach not only promotes inclusivity but also enhances the overall accessibility and safety of the campus environment.







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# C. DISABLED FRIENDLY TOILET

The college campus features disabled-friendly toilets, offering inclusive facilities for students and visitors with mobility challenges.



