



**(FORMERLY NEHRU COLLEGE OF NURSING)**

**7.1.3: The Institution has facilities for alternate sources of energy and energy conservation devices**

- 1. Solar energy**
- 2. Wheeling to the Grid**
- 3. Sensor based energy conservation**
- 4. Biogas plant**
- 5. Use of LED bulbs/ power efficient equipment**

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**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

**CERTIFICATE OF THE HEAD OF INSTITUTION**



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

**Prof.Dr.Srinivasan.G,**  
**Principal**

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that, our institution has facilities for alternate sources of energy and energy conservation devices.

- 1. Solar energy**
- 2. Wheeling to the Grid**
- 3. Sensor based energy conservation**
- 4. Biogas plant**
- 5. Use of LED bulbs/ power efficient equipment**



  
**PRINCIPAL**  
**P K DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**



**P. K. DAS COLLEGE**  
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**(FORMERLY NEHRU COLLEGE OF NURSING)**

# **FACILITIES FOR ALTERNATE SOURCES OF ENERGY**



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



(FORMERLY NEHRU COLLEGE OF NURSING)

# **SOLAR ENERGY**

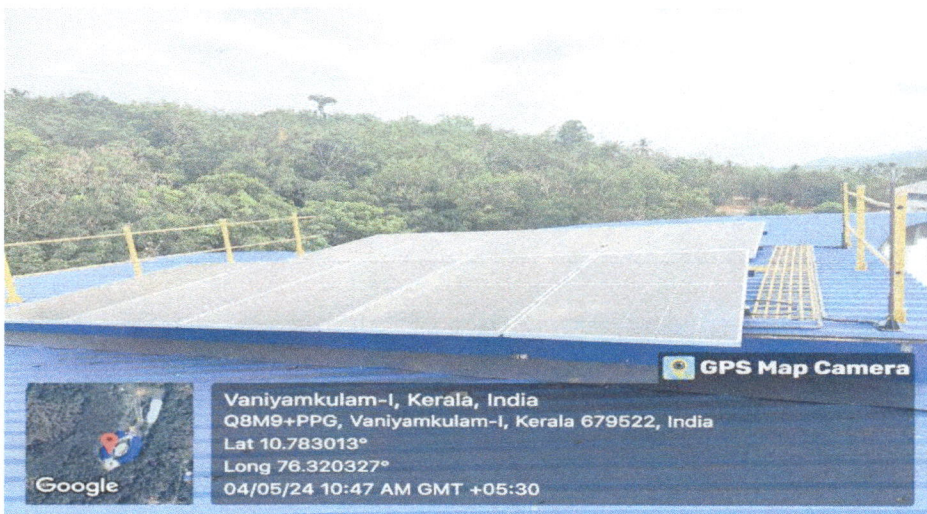


**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



(FORMERLY NEHRU COLLEGE OF NURSING)

**SOLAR PANEL**



*G. S. Sankar*  
**PRINCIPAL**  
**P. K. DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**

solar Energy

Tax Invoice  
(As per GST Act 2017 U/s sec 31 of chapter IV of CGST Rules 2017)  
Original/ Duplicate /Transporter copy /Office copy

Safe line Electrical Engineers Kerala

No.15 Mini Industrial Estate, Kalmandapam, Palakkad, Kerala  
PIN : 678001. Email:t2S1@rediffmail.com  
Phone: 9349145917.  
GST/UIN: 32AHFPM1512M1ZL State: Kerala, Code :32

Date

SP 09 2K23/24

08-11-2023

Government/ Private/ Location/ Year/ Bill No  
Delivery Note No for supply of Materials Service Not Applicable

Billed to :-  
Nehru College of Education and charitable Trust.  
PK DAS Institute of Medical Sciences Vaniyamkulam  
Ottapalam Palakkad  
Pin 679522

B2B Inter state  
Bill TYPE B2C Intra state

Suppliers Ref/Job No  
Tender/ Quotation No /Work order No  
NCT/NC/WO/651/23-24 Dated 24<sup>th</sup> Oct 2023

Despatched through TN 37DV 6238 E way  
Bill from Supplier

M/s Nehru College of Nursing Panayur, Vaniyamkulam  
Palakkad. Phone 8921878855 @ Mr Ananthan.

Billed to :- GST No.

3 2 A A A T N 3 3 7 5 R 1 Z 4

Terms of Delivery Site delivery

01	545 Wp Non DCR PV Module Half Cut Mono PERC Saatvik 144 Cells.	995461	5450 Wp	24.65	1,34,356.00
----	--	--------	---------	-------	-------------


Sub Total before Tax: -Rs :- One Lakhs Thirty Four Thousand Three Hundred and Fifty Six Only.

CGST @ 9% for Service	Nil	CGST @ 6% for Supply	8061.36	Sub Total	8061.36	
		Rs 1,34,356.00				16,122.72
SGST @ 9% for Service	Nil	SGST @ 6% for Supply	8061.36	Sub Total	8061.36	
		Rs. 1,34,356.00				
Invoice Value Net: - Rs One Lakhs Fifty Thousand Four Hundred and Seventy Eight Only.				Round off	+ 0.28	

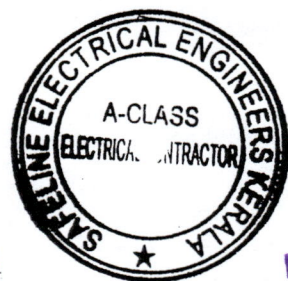
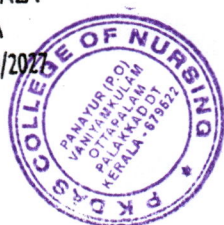
Composite supply	Nil	Rate	Amount	Rate	Amount	
Supply	134356.00	6%	8061.36	9%	8061.36	16,122.72
Service	NIL	9%	0.00	9%	0.00	0.00
Output Tax: Sixteen Thousand One Hundred and Twenty Two Ps Seventy Two Only.						16,122.72

Company's PAN : AHFPM1512M  
(for Deduction of TDS)

Company's Bank details  
Name : Safe Line Electrical Engineers Kerala  
Bank Name : ICICI Bank  
Branch : Chandra Nagar, Palakkad  
A/C No : 262805000421  
IFSC code : ICIC0002628  
UPI ID :- sleek320@icici

For Safe Line Electrical Engineers Kerala  
Authorised Signatory :  


RAJAN M MENON  
SAFELINE ELECTRICAL ENGINEERS KERALA  
ELECTRICAL CONTRACTOR CLASS A  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2026



PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522



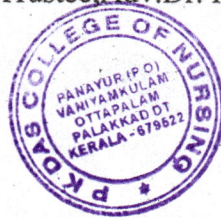
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ED 589544

THE AGREEMENT is executed on the 30 th day of October Two Thousand Twenty Three. (30/10/2023)

BY AND BETWEEN

Nehru College of Educational and Charitable Trust, having its registered office at 451-D, Palakkad main road, Kuniyamuthur, Coimbatore-8 and its Kerala office at Nila Gardens, Pampady, Thiruvilwamala, Thrissur District., (hereinafter referred to as "CLIENT" which expression, where the context admits, shall include its successors and assigns) represented by its Chairman & Managing Trustee, Adv. Dr. P. Krishnadas; on the ONE PART;



*[Handwritten signature]*

*[Handwritten signature]*  
PRINCIPAL  
P K DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522  
RAJAN M MENON  
SAFE LINE ELECTRICAL ENGINEERS KERALA  
ELECTRICAL CONTRACTOR CLASS A  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2027

Dr: 28213  
Value Rs: 100/-  
Paid to: Rajan M. Menon, Safeline  
Date: 31-10-23

Kalmandayam 1

*[Handwritten signature]*





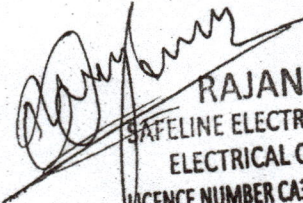
കേരളം കേരल KERALA


ED 589545


AND

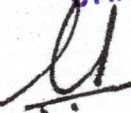
M/s Safe Line Electrical Engineers Kerala, No-15 Mini Industrial Estate, Kalmadapam, Palakkad, Kerala- 678 001 represented by its Contractor Mr Er. Rajan Menon (hereinafter referred to as "CONSULTANT" which expression, where the context admits, shall include its successors and assigns) on the OTHER PART.


The employer and contractor are hereinafter collectively referred to as "the parties" and severally as "the party".

  
RAJAN M MENON  
SAFELINE ELECTRICAL ENGINEERS KERALA  
ELECTRICAL CONTRACTOR CLASS A  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2027

  
PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYANKULAM  
OTTAPALAM, PALAKKAD  
KERALA - 679545

  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O),  
VANIYANKULAM  
OTTAPALAM  
PALAKKAD DT  
KERALA - 679522

  
C. PRABHAKARAN  
C.J.M. COURT VENDOR  
PALAKKAD

  
DISTRICT TREASURY  
30 OCT 2023  
PALAKKAD

o: 2824  
alue Rs: 10/-  
old to: Rajan m. menon, Safeline  
ate: 31-10-23 Kalmadapam.

**WHEREAS:**

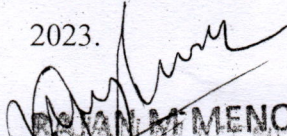
- A). The Employer is the Managing Trustee of Nehru College of Educational and Charitable Trust having its registered office at 451-D, Palakkad main road, Kuniamuthur, Coimbatore-8 and its Kerala office at Nehru College of Educational & Charitable Trust, Nila gardens, Pambady, Thiruvilwamala, Thrissur, 680588, and is engaged in educational, charitable and philanthropic activities which inter alia includes hospital and other allied services.
- B) The employer has represented to the contractor that the Trust is the absolute, legal and bonafide owner and in possession of **Nehru College of Nursing, Panayur, Palakkad District. -679522.**
- C)The “Contractor” has agreed to execute the work order for the principal subject to the conditions set forth herein (herein after referred to as the conditions of “contract”)
- D) The contractor has agreed that he shall not claim further charges on account of escalation cost.
- E) The employer has entrusted the contractor to install the **Roof Top Solar Energy Grid system** in the **Nehru College of Nursing on Academic Block at Panayur, Palakkad.**


**NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:**

- a) In this agreement words and expressions shall have the same meaning as are respectively assigned to them under the sections “definitions” in the general conditions of the contract of the Work order issued by the “Employer” and accepted.

**NOW IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS**

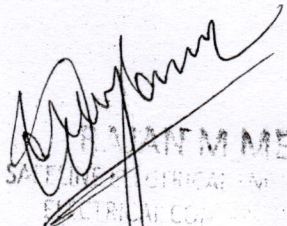
1. In consideration of the contract amount quoted in quotation and the employer forwarded the work order No. NCT/NCN/WO 652/23-24 dated 24.10.2023 for Rs.3,60,592/- inclusive of all taxes (Rupees Three Lakhs Sixty thousand Five Hundred and Ninety-two only), the employer has accepted and has resolved to give the work order to the contractor to execute and complete the works shown in the work order No.NCT/NCN/WO 652/22-23 dated 24.10.2023 The quotation dated 18.10.2023 and This work order will form a part of this agreement as Annexure -1 and II respectively.
2. The employer shall pay to the contractor the said “contract” amount and such other sums as shall become payable at the time and in the manner herein after specified in the said conditions.
3. The work commenced on 06.11.2023 and shall be completed on or before 06<sup>th</sup> December 2023.

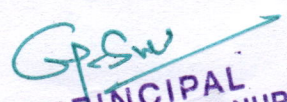
  
**ROYAN M MENON**  
SAFETY ELECTRICAL ENGINEERS KERALA  
ELECTRICAL CONTRACTOR CLASS A  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2027

  
**PRINCIPAL**  
3  
**P K DAS COLLEGE OF NURSING**  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522



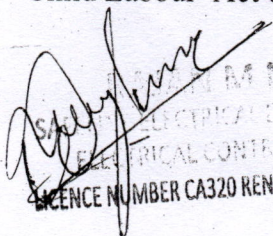
4. The contractor shall complete the work including testing, approval, net meter installation and inspections by KSEB within 30 days from the date of execution of work in accordance with the specifications & drawings.
5. The contractor shall furnish the detailed Asbuilt drawings along with single line diagram/Invertor details of the Installation before the completion of the work.
6. The contractor shall not permit to change the drawing of dismantling which is furnished to the employer.
7. There shall be no escalation or increase in the quoted and accepted rates of the contract under any circumstances.
8. The release of 50% of the total consideration as advance is paid along with the work order
9. 30% of total consideration will be paid after material delivery and during progress of the work.
10. The balance 20% of the total consideration will be paid after successful completion and commissioning of work.
11. The contractor shall detail the day to day progress of the work to the site engineer and Project Manager of the Employer.
12. The contractor shall resolve the issues arise out with KSEB if any during Installation of **Roof Top Solar System.**
13. The contractor shall be liable for damages if any to the site and equipment's during installation of the solar system and will be liable to compensate for the damage/loss incurred.
14. The contractor shall do intermittent inspection and maintenance of the solar system.
15. The contractor shall maintain absolute confidentiality and shall not share any project related information with any outsiders except with the written consent of the employer.
16. Any damage arising from accidents or carelessness of the workmen or otherwise to the said works hereby undertaken for or to the materials or implements therein used or to the workmen shall be borne and effectually made good by the contractor at his own costs and charges.
17. The contractor shall engage technically qualified engineer/wireman/supervisor with sufficient experience for the proper execution and supervision of works.


  
P. K. DAS  
PRINCIPAL  
P. K. DAS COLLEGE OF NURSING  
OTTAPALAM, PALAKKAD DT.  
KERALA - 679522  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2027

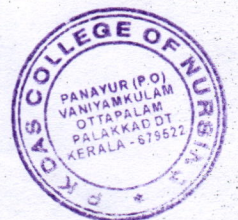
  
PRINCIPAL  
P. K. DAS COLLEGE OF NURSING  
OTTAPALAM, PALAKKAD DT.  
KERALA - 679522



18. The contractor ensures that the whole structure/Joints should be leakage free.
19. The contractor must be check the earthing and make sure that the values are as per IS Regulations
20. The firm will be liable to pay all the statutory payments such as Sales Tax, Labour Cess, Employees State Insurance, Provident fund, Workman Compensation, Income Tax, Construction Workers Welfare fund and such other government levies, contributions, and liabilities or workman's welfare due to the government except Service Tax, if any. Service Tax shall be paid by the contractor at prevailing rate.
21. Work shall be completed in accordance with the BOQ and schedule mentioned in the work order.
22. The Contractor shall station a competent engineer at site.
23. The "contractor" shall abide by the changes/modifications against specific written instructions from the employer and / or Project Engineer.
24. The Contractor shall do mobilization of all required skilled labours and tools to the site, and demobilization of the same after completion of work as per the specifications, contract requirements and instruction.
25. All circuits, protective devices, switches and terminals shall be suitably labelled.
26. All the PV Equipments shall be labeled as per IEC 62446-2009-05.
27. Solar Inverters shall be rated for THD of less than 3% of the power ejected to the grid.
28. Each string should be provided with Two fuses. One connected to the +ve and another to the -ve terminal of the string.
29. All testing during the inspection will be in the scope of contractor for obtaining the sanction order from concerned Govt Authorities.
30. The contractor shall maintain all registers pertaining to the staff and labourers such as muster roll, ESI registers, and other statutory registers in the site office for Government purpose.
31. The contractor must ensure peaceful atmosphere and discipline in the site by controlling his staff and labourers.
33. The Employer shall not be responsible for loss of any materials and machines of the Contractor kept in site.
34. The contractor shall not employ any child in terms of Prevention of Child Labour Act or such enactments.

  
M. MENON  
SAFETY OFFICER KERALA  
ELECTRICAL CONTRA... CLASS A  
SCIENCE NUMBER CA320 RENEWED UP TO 17/09/2027

  
PRINCIPAL  
PK DAS COLLEGE OF NURSING  
5 PANAYUR (P.O), VANIYANKULAM  
OTTAPALAM, PALAKKAD  
KERALA - 679522



35. All the workers deployed at site should be provided with safety equipments like Helmets, safety shoe etc.

36. In case of any dispute, judgment may be in accordance with Applicable law in any court having jurisdiction in Palakkad.

In witness whereof the Employer and the Contractor have hereinto set and subscribed their respective hands this day, month and year above written.

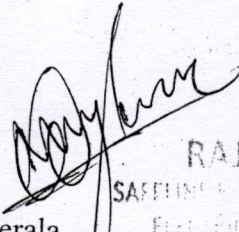
Seal & Signature by the Employer:



Address :

Mr. Krishnadas  
Chairman & Managing Trustee  
Nehru College of Educational and Charitable Trust.

Seal & Signature by the Contractor:



Address :

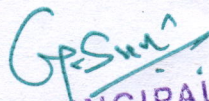
M/s Safe Line Electrical Engineers Kerala,  
No-15 Mini Industrial Estate,  
Kalmandapam,  
Palakkad,  
Kerala- 678 001

RAJAN M MENON  
SAFE LINE ELECTRICAL ENGINEERS KERALA  
ELECTRICAL CONTRACTOR CLASS A  
LICENCE NUMBER CA320 RENEWED UP TO 17/09/2027

Witness 1:



2

  
PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

# **WHEELING TO THE GRID**

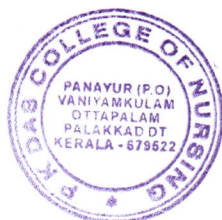
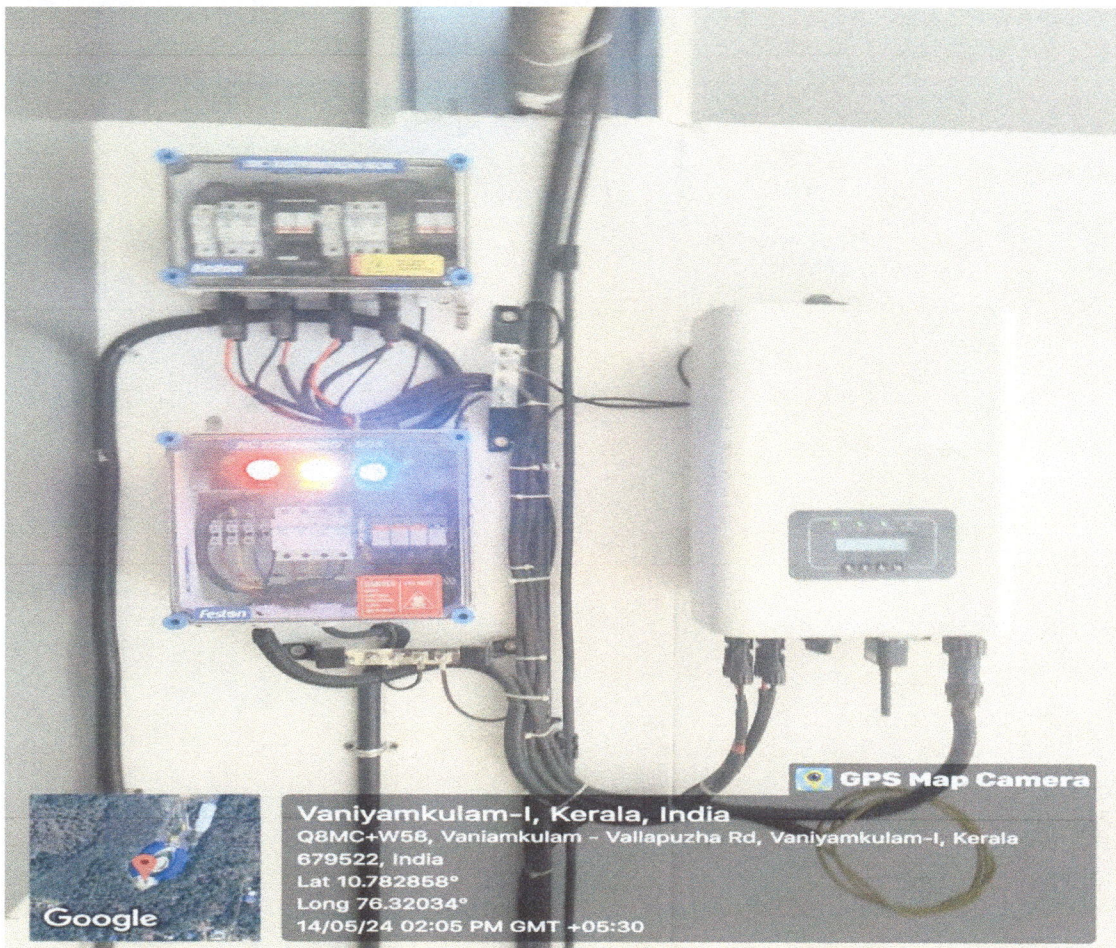


**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



(FORMERLY NEHRU COLLEGE OF NURSING)

### WHEELING TO THE GRID



*G. S. S.*  
PRINCIPAL  
P. K. DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522

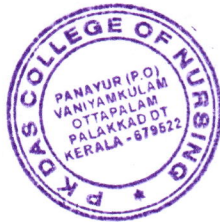
# KERALA STATE ELECTRICITY BOARD LIMITED

## DEMAND CUM DISCONNECTION NOTICE

(As per Regulation 122 & 123 of Kerala Electricity Supply Code 2014)

Section	[6733]-Electrical Section Vaniyamkulam	Phone#	0466-2227101	Customer Care	1912	
Consumer#	1167330011216	Reg. Mob#	906xxxx777	Regular CC Bill	KSEBL GSTIN: 32AAECK2277NBZ1	
Name & Mailing Address		For redressing complaints/grievance approach the concerned CGRF				
P KRISHNADAS		South: Chairperson, CGRF(South), KSEBL, Vidyuthi Bhavanam, Kottarakkara-691506, Ph: 0474-2451300				
MANAGING TRUSTEE, NEHRU COLLEGE OF NURSING COLLEGE, ACADEMIC BLOCK, VANIYAMKULAM		Central: Chairperson, CGRF(Central), KSEBL, 220KV SubStation, Kalamassery-683503, Ph: 0484-2556500				
		North: Chairperson, CGRF(North), KSEBL, Vidyuthi Bhavanam, Gandhi Rd., Kozhikode-673011, Ph: 0495-2367820				
		State Electricity Ombudsman, D.H.Rd & Foreshore Rd Jn., Near Gandhi Square, Ernakulam-682016, Ph: 0484-2346488				
Bill#	6733240300007	Bill Area	M01/1	DTR	DEEPAM	
Billing Period	3/2024[Monthly]	Tariff/Phase	LT-6F/Three	Pole#	VP23/6/3	
Bill Date	01-03-2024	Due Date	11-03-2024	DC Date	30-03-2024	
Contract Demand	25000 VA [75% : 19KV, 130% : 33KV]	Connected Load	23975 Watts	Security Deposit	Rs.61276.00	
Meter#	VTK020220001219513	Average consumption(Monthly)				
Meter Digits	6.2	Power Unit/Zone	NORMAL	OFF PEAK	PEAK	
Meter Type/	NET Meter	KWH	1050	100	50	
Meter Owner	KSEB	RMD	25			
Last Billed Rdg. Date	Prev. Rdg. Date	Prev. Meter Rdg. Status		Prst. Rdg. Date	Prst. Meter Rdg. Status	
01-02-2024	01-02-2024	Working		01-03-2024	Working	
Power Unit	Zone	Trading	Initial Reading(IR)	Final Reading(FR)	OMF	Units*
KWH	Normal	Import	1502.00	3168.00	1	1666
KWH	Normal	Export	57.00	96.00	1	39
KWH	Off Peak	Import	446.00	927.00	1	481
KWH	Off Peak	Export	0.00	0.00	1	0
KWH	Peak	Import	206.00	420.00	1	214
KWH	Peak	Export	0.00	0.00	1	0
RMD	Cumulative	Import	15.00	15.00	1	15

Continued...



*G. S. S. S.*  
**PRINCIPAL**  
**PK DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**

Section	[6733]-Electrical Section Vaniyamkulam							Phone#	0466-2227101	Customer Care	1912
Consumer#	1167330011216							Bill#	6733240300007		Regular CC Bill
<b>Remarks :</b>  Last Paid Amount - Rs.28491.00 Last Payment Date - 13-02-2024 Payable amt.(excluding ACD) as on 2024-03-02 10:16:58:Rs.29259/-								Bill Details		[INR] Amount(Rs.)	
								a)	Demand Charges	Demand Charge	5130.00
									Sub Total	5130.00	
								b)	Energy Charges	Energy Charge[EC]	21478.50
									Fuel Surcharge[FS]	208.98	
									Auto Recovery FS[FSM]	232.20	
									Sub Total	21919.68	
								c)	Other Charges	Electricity Duty[ED]	2147.85
									Meter Rent[MR]	35.00	
									ED[Self Generation]	10.28	
									Sub Total	2193.13	
								d)	GST	MR-CGST	3.15
									MR-SGST	3.15	
									Sub Total	6.30	
								e)	Round Off	-0.11	
								e)	Total Amt.(Bill#6733240300007)	(a+b+c+d+e)	29249.00
								f)	Surcharge	10.00	
								g)	Reconnection Fee	0.00	
								h)	Interim Bills	0.00	
								i)	Arrears	0.00	
								j)	Less paid/adj.	-0.00	
								k)	Less Advance	-0.00	
									<b>Net Payable(e+f+g+h+i-j-k)</b>	<b>29259.00</b>	
Demand for 3/2024 is Rupees Twenty Nine Thousand Two Hundred and Forty Nine Only											

Solar Generation							
Description	Date	Zone	Tr.	IR	FR	MF	Units
Regular Reading Point	01-03-2024	WNL	I	1015.00	1869.00	1	854
Regular Reading Point	01-03-2024	WOP	I	0.00	0.00	1	0
Regular Reading Point	01-03-2024	WPK	I	0.00	3.00	1	3

E&OE Payment Options: Cash,Cheque,DD,MO. Online: www.kseb.in (Debit/Credit Cards,Net Banking). Other Platforms: BBPS, Friends, Akshaya, CSC, NACH



*G. S. K.*  
**PRINCIPAL**  
**P K DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**

Solar OnGrid Consumer (Generator)

1167330011216

P KRISHNADAS

673300106

5 KW

03-01-2024

Bank Statement for 202403 (Generator)

2376 kWh

39 kWh

0

2322 kWh

0



*PK DAS*  
**PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522**

# Consumption Adjustment Report

		N	1666	39	0	0	0	1627	0
202403	11216	P	214	0	0	0	0	214	0
		O	481	0	0	0	0	481	0

Page 1

MR T. R. D-Reading Not Accepted/Door Lock -Applying Wheeling Charges 1/-Resetting Wheeling Charges



*G. Sreeni*  
PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522



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PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

# **SENSOR BASED ENERGY CONSERVATION**

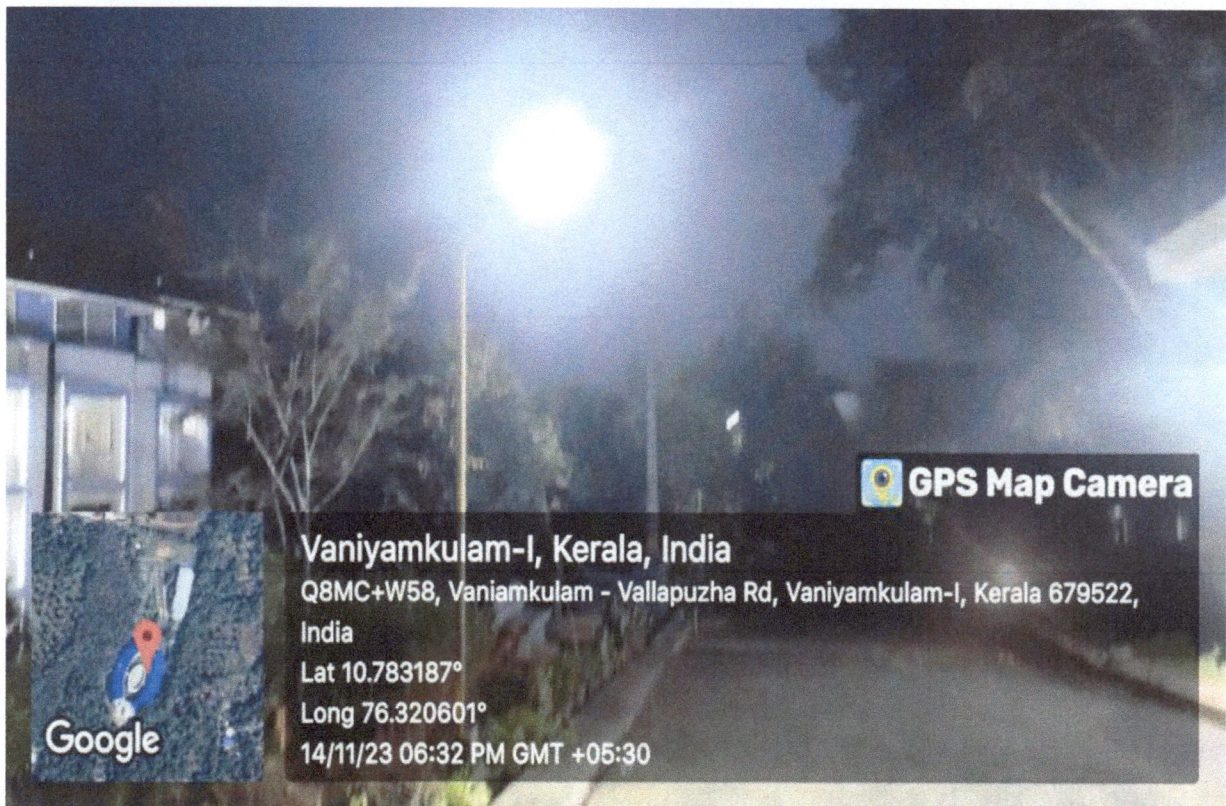


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(FORMERLY NEHRU COLLEGE OF NURSING)

**SENSOR BASED ENERGY CONSERVATION LIGHTS**



*G. S. Sivar*  
**PRINCIPAL**  
**P. K. DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**

Tax Invoice

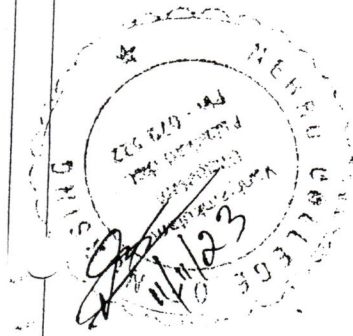
Sensor Based Lights

**ZON LIGHTINGS**  
 5/194 THOTTATHIL LANE THRISSUR-680005  
 MOB:9745055055  
 GSTIN/UIN: 32AKCPP6826F1ZA  
 State Name : Kerala, Code : 32  
 E-Mail : joshydavidp@gmail.com  
 Consignee (Ship to)

Invoice No.	e-Way Bill No.	Dated
10/23-24		8-Nov-23
Reference No. & Date.		Mode/Terms of Payment
Buyer's Order No.		Other References
Vessel/Flight No.	Place of receipt by shipper:	
City/Port of Loading	City/Port of Discharge	
Terms of Delivery		

**Nehru Collage of Nursing, Panayur**  
 Vaniyamkulam Palakkad-dt  
 State Name : Kerala, Code : 32  
 Buyer (Bill to)  
**Nehru College of Educational & Charitable Trust Pam**  
 Pampady Thrissur dt  
 State Name : Kerala, Code : 32  
 Place of Supply : Kerala

SI No.	Description of Goods	HSN/SAC	Quantity	Rate (Incl. of Tax)	Rate	per	Disc. %	Amount
1	<b>Regal 36w-6k Sturlite Square Panel Light</b>	94054090	24 NOS	2,211.00	1,873.73	NOS	10 %	40,472.57
	CGST 9%					9 %		3,642.53
	SGST 9%					9 %		3,642.53
Total			24 NOS					₹ 47,757.63



Amount Chargeable (in words) **₹ 47,757.63** E. & O.E

**INR Forty Seven Thousand Seven Hundred Fifty Seven and Sixty Three paise Only**

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
94054090	40,472.57	9%	3,642.53	9%	3,642.53	7,285.06
<b>Total</b>	<b>40,472.57</b>		<b>3,642.53</b>		<b>3,642.53</b>	<b>7,285.06</b>

Tax Amount (in words) : **INR Seven Thousand Two Hundred Eighty Five and Six paise Only**

Company's Bank Details  
 A/c Holder's Name : JOSHY DAVID P  
 Bank Name : CATHOLIC SYRIAN BANK JOSHY SIR  
 A/c No. : 029903696469190001  
 Branch & IFS Code : THRISSUR & CSBK0000299

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



Authorized Signatory  
**PRINCIPAL**  
**PK DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
 KERALA - 686222



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

## **BIOGAS PLANT**



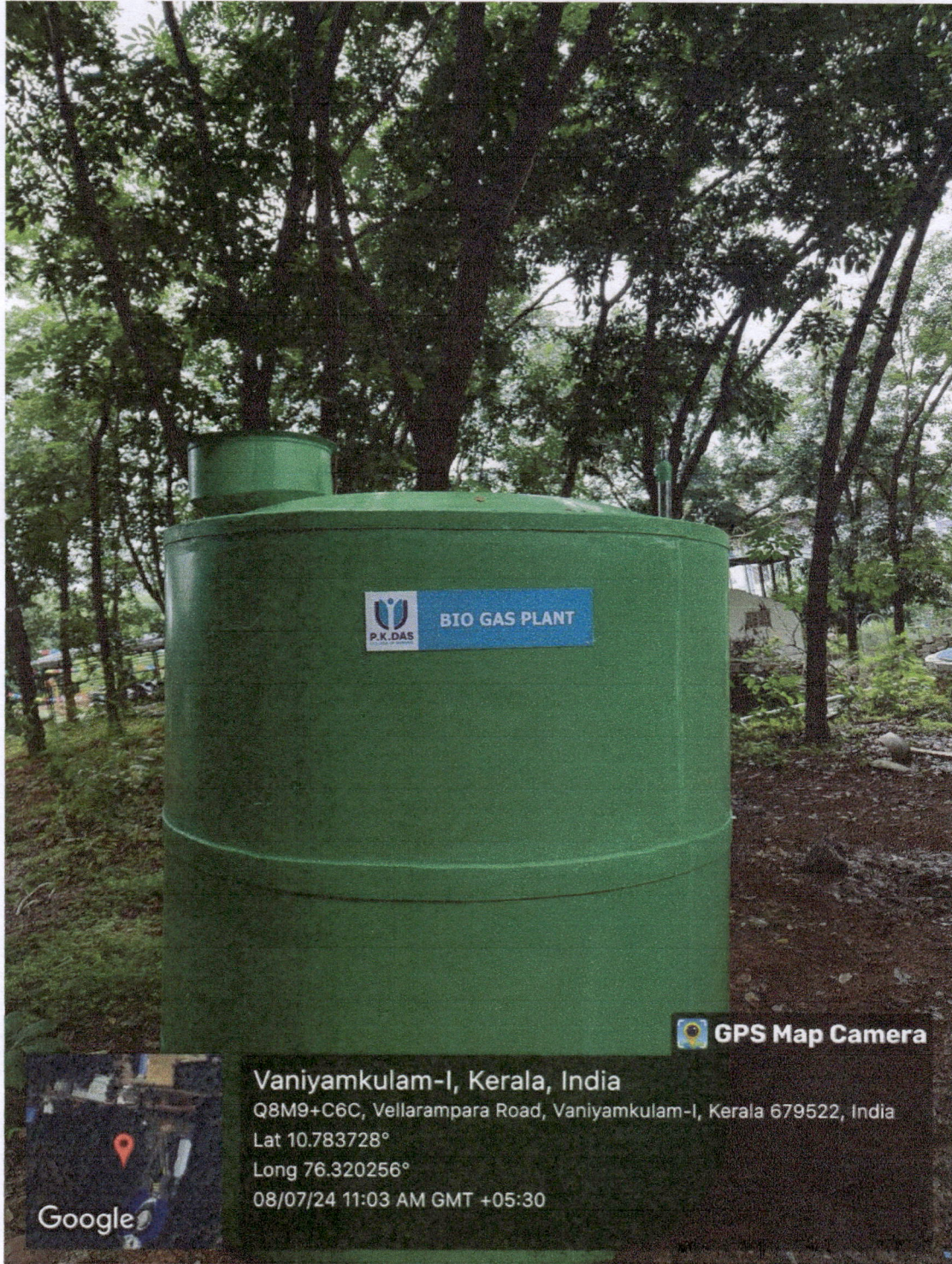
# P. K. DAS COLLEGE of NURSING

PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522

(FORMERLY NEHRU COLLEGE OF NURSING)



## BIO GAS PLANT



BIO GAS PLANT

GPS Map Camera

Vaniyamkulam-I, Kerala, India

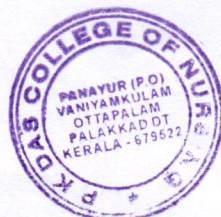
Q8M9+C6C, Vellarampara Road, Vaniyamkulam-I, Kerala 679522, India

Lat 10.783728°

Long 76.320256°

08/07/24 11:03 AM GMT +05:30

Google



*G. S. M.*  
PRINCIPAL  
P. K. DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522

## Biogas Plant

A biogas plant, also known as a biogas digester or anaerobic digester, is a facility designed to convert organic materials into biogas through a natural biological process called anaerobic digestion. Biogas is a renewable energy source composed primarily of methane (CH<sub>4</sub>) and carbon dioxide (CO<sub>2</sub>), with small amounts of other gases. It can be used for various applications, including electricity generation, heat production, and as a substitute for natural gas.

### Key components of the biogas plant:

- a. Feedstock: Biogas plants typically use organic materials as feedstock. Common feedstock sources include:
  - ◆ Agricultural residues (crop waste, animal manure).
  - ◆ Food waste from households, restaurants, and supermarkets
- b. Anaerobic Digestion: The heart of a biogas plant is the anaerobic digester, where the organic materials are processed. Anaerobic digestion occurs in the absence of oxygen and involves microorganisms breaking down the organic matter. This process produces biogas and a nutrient-rich effluent.
- c. Biogas Production: During anaerobic digestion, microorganisms (mainly bacteria) break down the organic matter, converting it into biogas. The primary component of biogas is methane (CH<sub>4</sub>), which is the combustible gas used for energy generation.
- d. Gas Storage: Biogas is collected and stored in gas storage tanks or domes to prevent its release into the atmosphere and to provide a steady supply for energy generation. The generated gas transferred in to cylinders and bypassed the same connection to the kitchen burners
- e. Heat Production: Biogas can be burned directly for space heating or for industrial processes.



*Principal*  
PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522

(Sponsors : Nehru College of Educational and Charitable Trust)

College Campus : Panayur Post, Vaniyamkulam, Ottapalam, Palakkad Dist., Kerala, Pin : 679 522

Phone : 0466 - 2226000, E-mail : info@nehrunursing.com, Web : www.nehrunursing.com

- f. Residue Management: After anaerobic digestion, the remaining solid and liquid residues, known as digestate, are separated and can be used as organic fertilizer or soil conditioner, depending on their nutrient content. The byproducts were stored in bags and transferred into farmhouses owned by the institution for growing vegetables, fruits, etc.
- g. Environmental Benefits: Biogas plants offer several environmental benefits, including reducing greenhouse gas emissions (by capturing methane that would otherwise be released into the atmosphere), managing organic waste, and providing renewable energy.

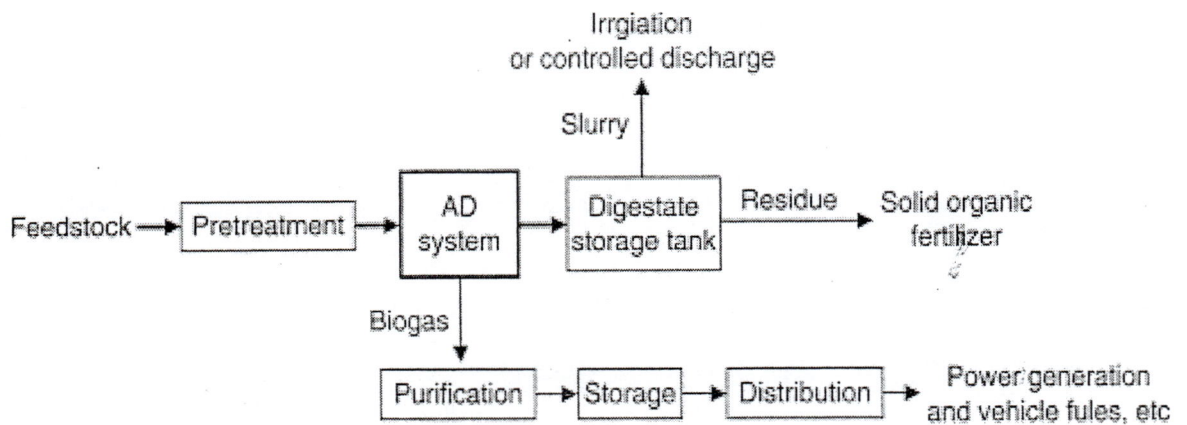
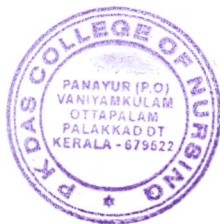


Figure : Layout of Biogas Plant



*G. Suresh*  
**PRINCIPAL**  
**PK DAS COLLEGE OF NURSING**  
**PANAYUR (P.O), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679622**

# METCALF WATER ENGINEERING

Ground Floor, 63/1731, EWS-421, Mavelli Road  
 Kadavanthra, Ernakulam, Kerala, 682020  
 www.metcalfwaterengineering.com  
 GST registration number: 32CDCPR1674J1ZG

## TAX INVOICE

210/22

Original for Recipient

MWE(R) 24-25/15  
 Date: 03-07-2024

Kerala

Transportation Mode :  
 Vehicle Number :  
 Date of Supply :  
 Place of Supply :

State Code 32

**Details of Receiver | Billed to:**

Name : P K DAS COLLEGE OF NURSING  
 Address : PANAYUR, VANIYAMBALAM, KERALA  
 GST IN : 32AAJCG9166D1ZL

State : Kerala

State Code 32

**Details of Consignee | Shipped to:**

Name :  
 Address :  
 GSTIN :  
 State :

Sr. No.	Name of Product / Service	HSN/ SAC	QTY	Rate	Amount	Less: Discount	Taxable Value	CGST		SGST		Total
								Rate	Amount	Rate	Amount	
	PORTABLE FRP BIOGAS	8421	100 KGS	93,221	93,221		93,221	9%	8,390	9%	8,390	1,10,001
<b>Total:</b>				93,221	93,221		93,221		8,390		8,390	

**Total Invoice Amount in Words:**  
 Rupees One Lakh Eighty-Eight Thousand Eight Hundred only

**Total Amount Before Tax :** 93,221  
**Add: CGST :** 8,390  
**Add: SGST :** 8,390  
**Tax Amount: GST :** 16,780  
**Total Amount After Tax :** 1,10,001

**Bank Details**

• Bank : UNION BANK OF INDIA  
 • Branch : JAWAHAR NAGAR  
 • BankAccountNumber : 740401010050129  
 • BankBranchIFSC : UBIN0574040

**: Terms and Conditions :**

**Net Total** : 1,10,001.00

Certified that the particulars given above are true and correct.

**Metcalf Water Engineering**

*[Signature]*  
 Authorized Signatory

(Common Seal)



[ EBOE ]

Mobile : +91 8714199875  
 Email : metcalfcochin@gmail.com

*[Signature]*  
 for PKDCN

*[Signature]*  
 CHM



*[Signature]*  
 PRINCIPAL  
 P K DAS COLLEGE OF NURSING  
 PANAYUR (P.O.), VANIYAMBALAM  
 OTTAPALAM, PALAKKAD DT  
 KERALA - 679522

*[Signature]*  
 17/7/24



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

## **LED BULBS**

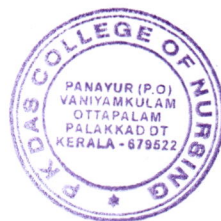


**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

**LED BULBS**



*GASUR*  
**PRINCIPAL**  
**P. K. DAS COLLEGE OF NURSING**  
PANAYUR (P.O.), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522



# P. K. DAS COLLEGE o/NURSING

PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



BTIN : 32BZPPM6032H1ZL

Tel: 9400524059, 9037109671

ALFA ELECTRICALS & PLUMBING  
VANIYAMKULAM

BILL OF SUPPLY/COMPOSITE TAXABLE PERSON

No : 1052

Date: 01/03/2019

Customer : NEHRU COLLEGE OF NURSING VKM

NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	ITEM (BALL VALVE KRISHIKA 1")	1.00		110.00	110.00
2	PVC ELBOW 1INCH	1.00		9.00	9.00
3	PVC SAKTHIMANISI 10x632MM	1.00		49.00	49.00
4	LED TUBE LIGHT SYSKA 4FIT	5.00		300.00	1500.00
5	ITEM (V GUARD WIRE 1SQ.MM)	1.00		590.00	590.00
6	LED 9W CROMPTON	2.00		100.00	200.00
7	PENTANHOLDER	2.00		20.00	40.00
8	ITEM (HOSE CLIP 3INCH)	1.00		18.00	18.00
9	HEALTH FAUCET HEAD	3.00		105.00	315.00
10	PVC TEE ISI 3/4 INCH	1.00		10.00	10.00
11	ITEM (PVC TEE ISI 1INCH)	2.00		16.00	32.00
12	PVC BEND 3/4 INCH	2.00		8.00	16.00
13	PVC ELBOW 1ST 3/4 INCH	2.00		9.00	18.00
14	PVC 45 ELBOW 3/4 INCH	2.00		11.00	22.00
15	TAPE LONG BODY STAR ABS	1.00		135.00	135.00
16	PVC SAKTHIMANISI 10x625MM	5.00		31.00	155.00
17	PN16 REDUCER ELBOW 3/4 1/2	1.00		48.00	48.00
18	STAR BOND 250ML	1.00		175.00	175.00
19	LED 3W CROMPTON	1.00		90.00	90.00
20	ITEM (DOOR LOCK SS)	1.00		55.00	55.00
21	BOX 3M KOLORS	1.00		60.00	60.00
22	3M COVER PLATE KBC	1.00		68.00	68.00
23	SOCKET 6A KOLORS	1.00		59.00	59.00
24	1WAY SWITCH 6A KOLORS	1.00		24.00	24.00
25	FIBER PLUG 6MM	1.00		24.00	24.00

41.00 3932.00

NET TOTAL :- 3932.00

IN WORDS : RUPEES THREE THOUSAND NINE HUNDRED AND THIRTY TWO ONLY

Prepared by : 1/01/2019 10:43:07 A

FOR ALFA ELECTRICALS & PLUMBING

*Checked by*  
*Kaishm Kumar*  
*2/3/19*

For ALFA ELECTRICALS & PLUMBING

THANK YOU...VISIT AGAIN...

1. items for hostel  
duly received *Jks*

*Purchase*  
*Entered*  
*Ashish*



*GP*  
PRINCIPAL  
P K DAS COLLEGE OF NURSING  
PANAYUR (P.O), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DT  
KERALA - 679522

*electrical*

GSTIN : 32BZFP6032H1ZL

Tel: 9400524059, 9037109671

**ALFA ELECTRICALS & PLUMBING  
VANIYAMKULAM**

BILL OF SUPPLY/COMPOSITE TAXABLE PERSON

No : 642

Date: 04/12/2018

Customer : **NEHERU COLLEGE OF NERSING V'K'M**

NO	PARTICULARS	QTY	UNIT	RATE	AMOUNT
1	LEDTUBE '20W' LEDVANCE ✓	2.00		300.00	600.00
2	HEALTHFAUCET 'HEAD' ✓	2.00		105.00	210.00
3	CONNECTION TUBE 1/2M TURTLE TEC ✓	2.00		150.00	300.00
4	CONNECTION TUBE WASHER ✓	12.00		1.00	12.00
5	PENTANHOLDER ✓	3.00		20.00	60.00
6	T5 'TUBE' 28W OSRAM ✓	4.00		110.00	440.00
7	REGULATOR 'MEDIUM STEP' KOLORS ✓	7.00		325.00	2275.00
8	DUMMYSWITCH 'KOLORS' ✓	10.00		20.00	200.00
9	ITEM [a c b dummy] ✓	10.00		6.00	60.00
10	LED '3W' CROMPTON ✓	2.00		90.00	180.00
11	LED TUBE LIGHT SYSKA 4FIT ✓	3.00		300.00	900.00
12	CELLINGFAN 'CROMPTON' SEAWIND '1200MM' ✓	2.00		1400.00	2800.00
13	CAPACITOR '2.5MF' ✓	6.00		25.00	150.00
14	WIRE SHARK 1SQ.MM ✓	5.00		9.00	45.00
15	BULB '60W' CROMPTON ✓	1.00		14.00	14.00
16	1WAY 'SWITCH' 6A 'KOLORS' ✓	3.00		24.00	72.00
17	SOCKET '6A' KOLORS ✓	2.00		69.00	138.00
18	LED '9W' CROMPTON ✓	7.00		100.00	700.00
				83.00	9156.00

**NET TOTAL :- 9156.00**

IN WORDS : RUPEES NINE THOUSAND ONE HUNDRED AND FIFTY SIX ONLY

Prepared By : a @ 04/12/2018 11:58:15 A

FOR ALFA ELECTRICALS & PLUMBING

For ALFA ELECTRICALS & PLUMBING

*Items Received  
NCN Hostel  
[Signature]  
5/12/18*

THANK YOU...VISIT AGAIN...

*forwarded on 10/12/18*



*[Signature]*  
**PRINCIPAL  
PK DAS COLLEGE OF NURSING  
PANAYUR (P.O.), VANIYAMKULAM  
OTTAPALAM, PALAKKAD DISTRICT  
KERALA - 679522**



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

# **ENERGY CONSERVATION MEASURES IN THE INSTITUTION**



**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



**(FORMERLY NEHRU COLLEGE OF NURSING)**

**VISITOR INSTRUCTION/CODE  
OF CONDUCT  
TO SAVE ENERGY**



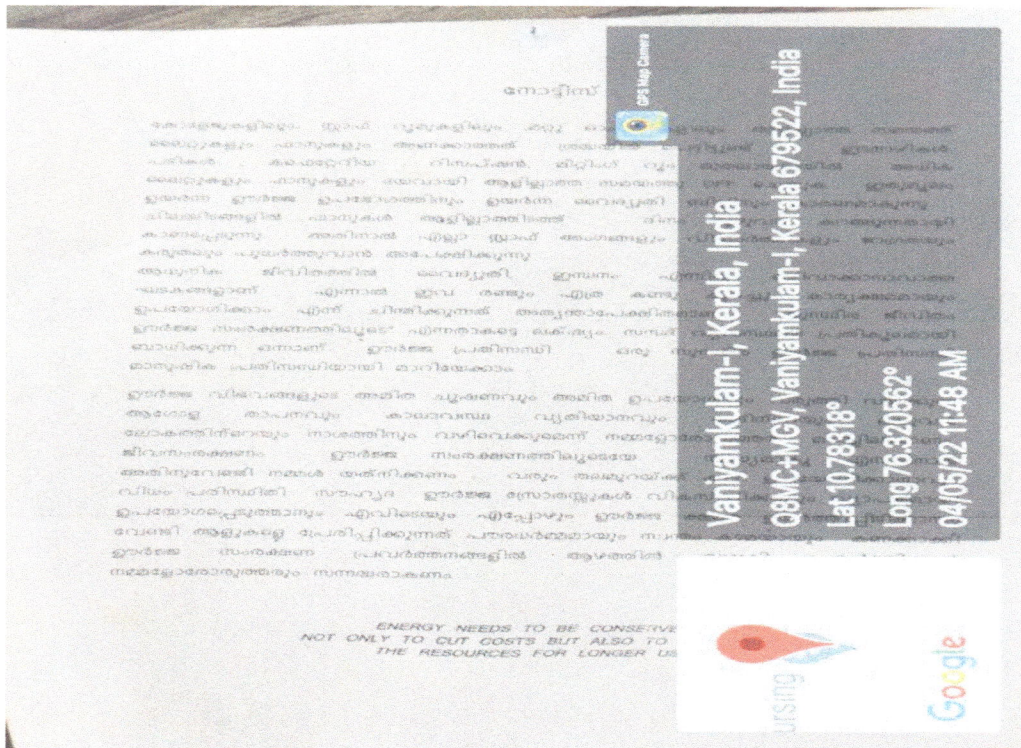
**P. K. DAS COLLEGE**  
*of* **NURSING**  
 PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



(FORMERLY NEHRU COLLEGE OF NURSING)

**ENERGY CONSERVATION MEASURES**

**INSTRUCTION TO MINIMIZE THE WASTAGE OF ENERGY**



*GASUR*

**PRINCIPAL**  
**P. K. DAS COLLEGE OF NURSING**  
 PANAYUR (P.O), VANIYAMKULAM  
 OTTAPALAM, PALAKKAD DT  
 KERALA - 679522

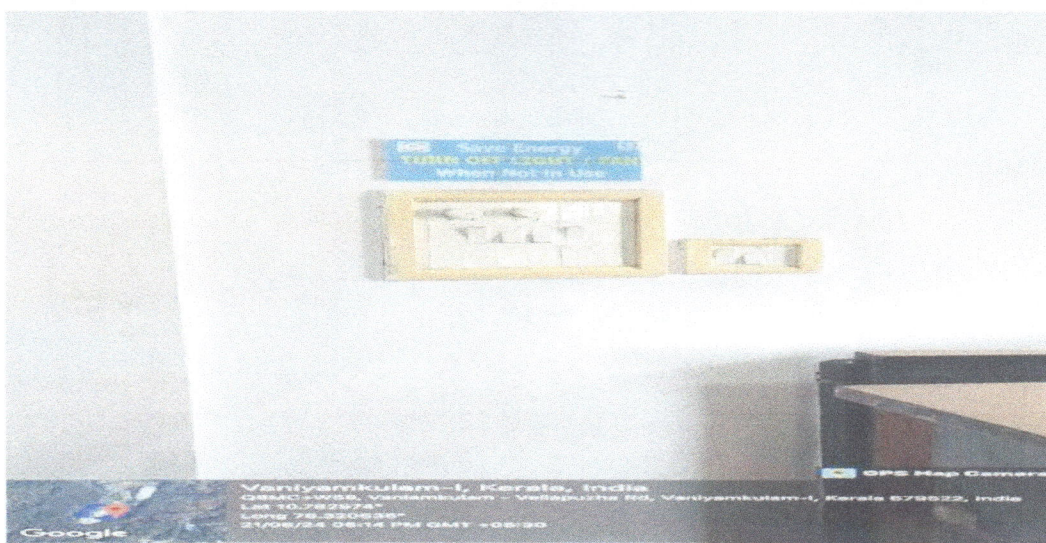
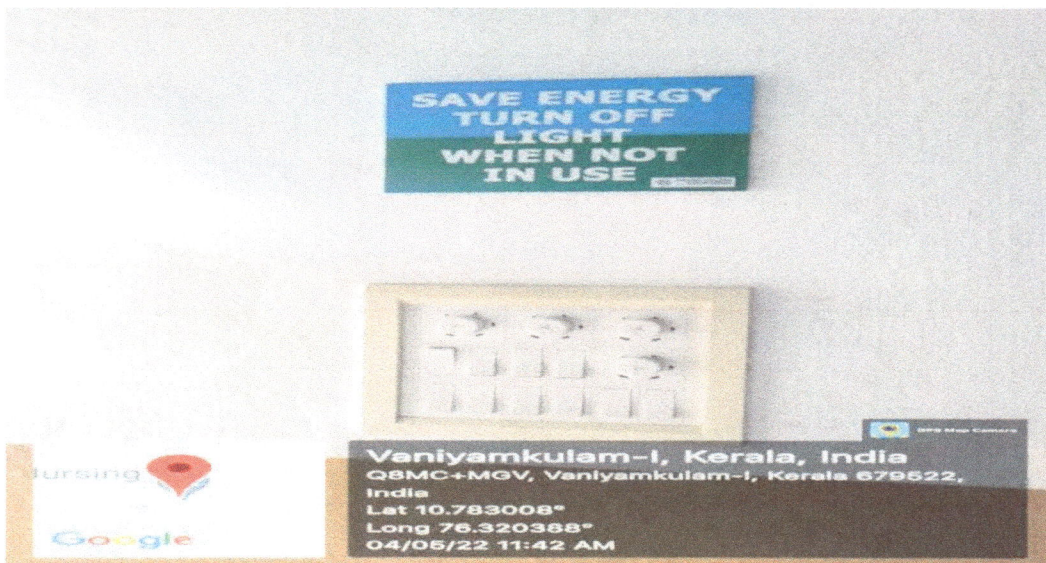


**P. K. DAS COLLEGE**  
*of* **NURSING**  
PANAYUR (PO), VANIYAMKULAM, PALAKKAD - 679522



(FORMERLY NEHRU COLLEGE OF NURSING)

### DISPLAY BOARDS TO SAVE ENERGY



*G. S. S.*

**PRINCIPAL**  
**P. K. DAS COLLEGE OF NURSING**  
**PANAYUR (P.O.), VANIYAMKULAM**  
**OTTAPALAM, PALAKKAD DT**  
**KERALA - 679522**