



**S.P.B. PATEL
ENGINEERING COLLEGE**
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS

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Ahmedabad – Mehsana Highway,
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**CYCLE 1
NAAC Accreditation 2023**

Alternate sources of energy and
energy conservation measures

Submitted to



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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Alternate sources of energy and energy conservation measures

1. Solar Energy

YES, University has installed Total 750 KWp Rooftop Solar Power Plants to harness the solar energy on RESCO mode since 2018 which has brought numerous benefits to our institute.

Like,

- Reduced electricity bills due to harnessing solar energy.
- Lower carbon footprint, contributing to sustainability goals.
- Diversified energy sources, ensuring more reliable power supply.
- Provides learning opportunities about renewable energy for students and staff.
- Potential for long-term financial savings and energy independence.

Here are some photographs:





2. Power Generation

Yes, the addition to our rooftop solar power plants, we have also integrated generators into our infrastructure, providing essential backup power and further enhancing our energy resilience.

Which is help us on,

Ensures uninterrupted operations during power outages, maintaining productivity.

Supports essential equipment and services, safeguarding against downtime.

Here are some photographs





3. Wheeling to the grid

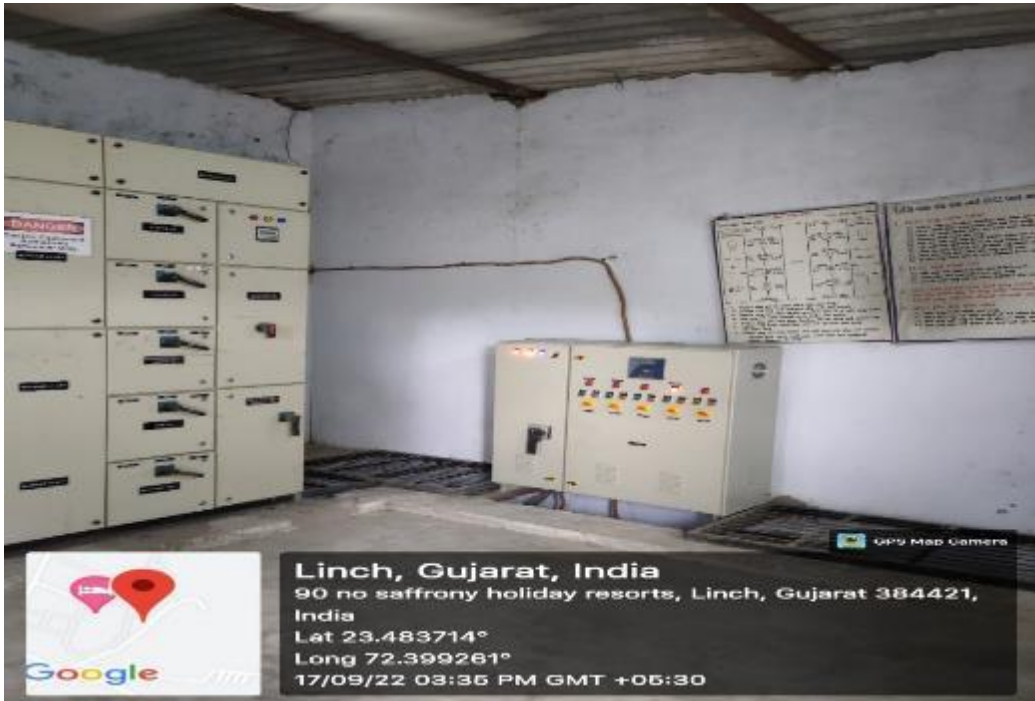
Yes, we've implemented a 'wheeling to grid' system, facilitating efficient energy distribution and maximizing the utilization of our renewable energy resources.

The benefits it provides us is,

- By feeding surplus energy into the grid, we contribute to its stability and reliability.
- Sharing clean energy with the grid fosters community involvement and promotes a sustainable energy ecosystem.
- we rely less on traditional power, which helps us stick to our sustainability goals.

Photographs:



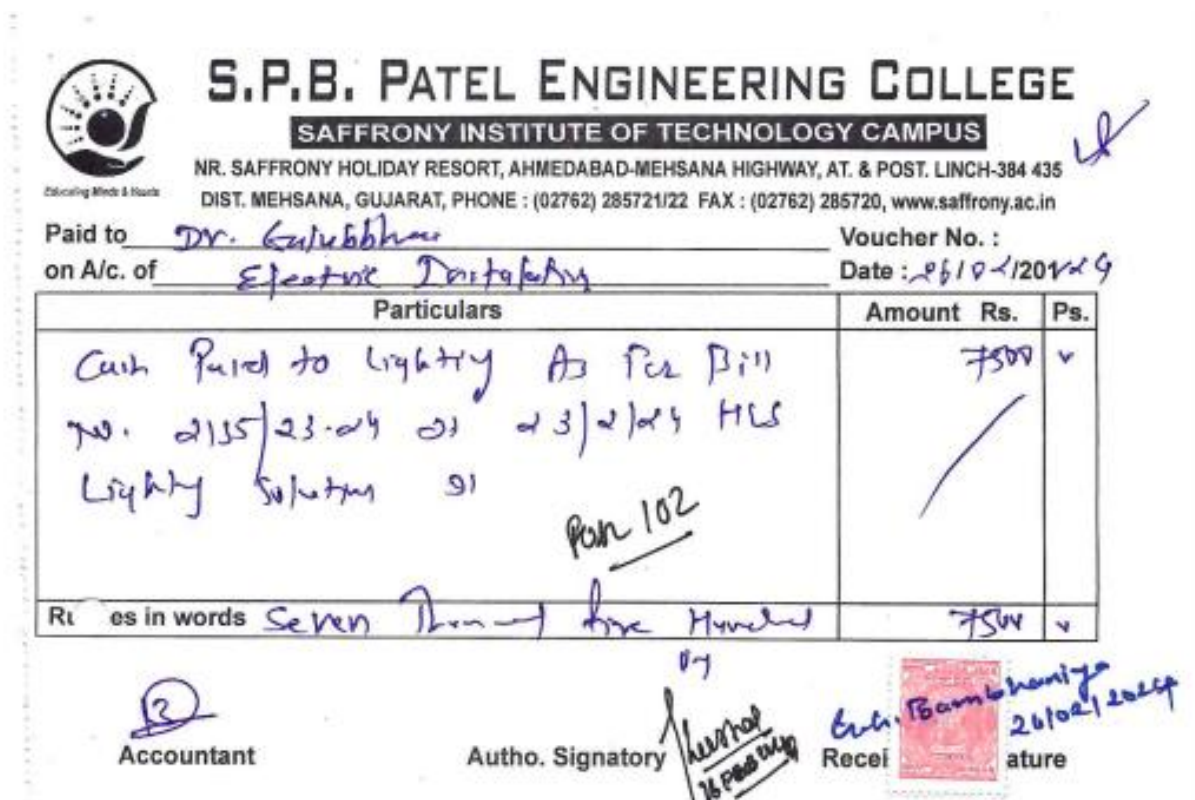


4. Use of LED Bulbs/Power Efficient Equipment

Yes, we are using LED bulb and power efficient equipment to enhance our energy efficiency. Which is give us many benefits like,

- LED bulbs and power-efficient equipment consume significantly less energy compared to traditional alternatives, leading to lower utility bills
- By using less energy, we reduce greenhouse gas emissions and minimize our carbon footprint, contributing to a cleaner and healthier environment.
- LED bulbs have a longer lifespan and require less frequent replacement, reducing maintenance costs and waste generation.

Here is some photographs of bills,



S.P.B. PATEL ENGINEERING COLLEGE
SAFFRONY INSTITUTE OF TECHNOLOGY CAMPUS
NR. SAFFRONY HOLIDAY RESORT, AHMEDABAD-MEHSANA HIGHWAY, AT. & POST. LINCH-384 435
DIST. MEHSANA, GUJARAT, PHONE : (02762) 285721/22 FAX : (02762) 285720, www.saffrony.ac.in

Paid to Dr. Gulubhai Voucher No. :
on A/c. of Efective Daitakha Date : 26/02/2024

Particulars	Amount Rs.	Ps.
Cash Paid to Lighty As Per Bill No. 2155/23-24 dt 23/2/24 HES Lighty Solution SI Post 102	7500	✓
Rt es in words <u>Seven Thousand Five Hundred</u>	7500	✓

Accountant [Signature]
Autho. Signatory [Signature]
Recei [Signature] [Red Stamp] ature



HLS Lighting Solution

L-4,5,6, Alishan Complex, Opp. Dr. Vasant Vallu Hospital,
 Nr. Sarder Patel Bavlva, Stadium Road, Ahmedabad-380 014. (Gujarat-India)
 T : +91-79-26430323, 26431655 • E : hslighting_philips@yahoo.in
PHILIPS Light Lounge & Authorised Distributor of HDL

Printed on 23-Feb-24 at 15:23
(ORIGINAL FOR RECEIPT)

Credit/Debit Card Tax Invoice

HLS LIGHTING SOLUTION L-4,5,6 Alishan Complex, Opp. Dr. Vasant Vallu Hospital, Stadium Road, Ahmedabad-380014 Gujarat - 380014, India GSTIN/UIN: 24AAPH3811B123 State Name : Gujarat, Code : 24 Contact : 079-26431655, 26430323, 40081855, 8825045547, 8624272704 E-Mail : hslighting_philips@yahoo.in Buyer (Bill to) S P B Patel Engg. College. Mehsana, Gujarat - India State Name : Gujarat, Code : 24 Place of Supply : Gujarat Contact : 9722266006	Invoice No.	Dated
	2135/23-24	23-Feb-24
	Delivery Note	Mode/Terms of Payment
	2135/23-24	1 Days
	Buyer's Order No.	Dated
	Dispatch Doc No.	Delivery Note Date
Dispatched through	Destination	
Terms of Delivery		

Description of Goods	HSN/SAC	CGST Rate	Part No.	Quantity	Rate per	Amount
59098 Led 18W4K Round Duraslim NW PH	94051090	18 %	590981803	5 Pcs	1,271.20 Pcs	6,356.00
						CGST 572.04
						SGST 572.04
Less:						Round Off (-)10.08
Total				5 Pcs		₹ 7,500.00

Amount Chargeable (in words) **INR Seven Thousand Five Hundred Only** E & O E

HSN/SAC	Taxable Value	Rate	CGST Amount	SGST/UTGST Rate	Amount	Total Tax Amount
94051090	6,356.00	9%	572.04	9%	572.04	1,144.08
Total			572.04		572.04	1,144.08

Tax Amount (in words) : **INR One Thousand One Hundred Forty Four and Eight paise Only**

Company's PAN : AAPH3811B	Company's Bank Details
Declaration	Bank Name : AXIS BANK
Company GST no- 24AAPH3811B123	A/c No. : 911026020173893
Customer's Seal and Signature	Branch & IFSC Code: NAVRANGPURA & UTIB0001336

Prepared by _____ Verified by _____
 Authorized Signatory

SUBJECT TO AHMEDABAD JURISDICTION
This is a Computer Generated Invoice





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Paid to Kamlesh Muzik

Voucher No. :

on a/c. of Repair & Maint (Electrical)

Date : 15/12/2012

Sl. No.	Particulars	Amount	Rs.	P.
1	18Watt. LED bulb.	- 6nos.	1800.	
2	6m. cable board.	- 2nos.	140.	
3	Socket 15A.	- 1nos.	20.	
4	Socket 5A	- 10nos.	200.	
5	Switch 5A.	- 2nos.	20.	
6	Switch 15A.	- 3nos.	75.	
7	Switch 15A. module.	- 1nos.	40.	
8	Socket 15A. module.	- 1nos.	40.	
9	Socket 5A. module.	- 1nos.	20.	
Rupees in words		Two thousand five hundred twenty five rupees.	2525	

Electrical

College - 151

Accountant

Auth. Signatory

Receiver's Signature
Kamlesh K. Muzik

No. 3APP/Saff

Date 13/12/12

Estimate / Memo

Hi-Fi

Qty	Particulars	Rate	Amount
1	18W LED 6 x 300		1800
2	6m. board 70x2		140
3	Plug 15A 1x20		20
4	Plug 5A 10x20		200
5	Switch 5A.M 2x20		40
6	Switch 15A (20x) 5x20		75
7	2A Switch 15A/M 1x 40		40
8	Plug 15A/M 1x 40		40
9	Plug 5A.M 4x20		80

total Amount -> 2525