



Indore Institute of Science & Technology

Approved by AICTE, New Delhi, Affiliated to RGPV, Bhopal, Recognized by UGC under Section 2(f) 2023-2024

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures.

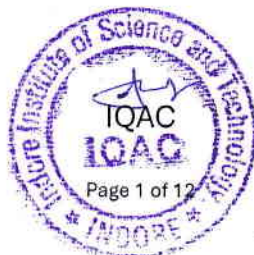
- a. *Solar energy*
- b. *Biogas plant*
- c. *Wheeling to the Grid*
- d. *Sensor-based energy conservation*
- e. *Use of LED bulbs/ power efficient equipment*

HEI Input: Any 3 of the above

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Friday, 27 December 2024



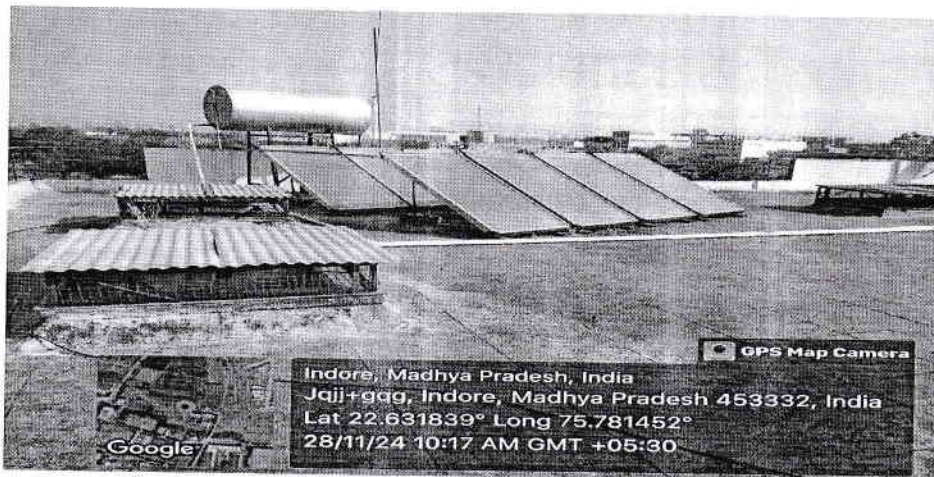
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1. Geotagged photo for Alternative source of Energy and Energy Conservation

Indore Institute of Science and Technology uses solar energy with a total capacity of 13 KW. The solar cell is situated at four different places like Staff quarter, boy's hostel, girl's hostel, and Canteen. Total power requirement on monthly basis is 383.93 KW (Refer below table for calculation). As well as for saving energy we used LED lights so that power is going to save and used AC with 5-star rating for energy saving.


A. Solar Water heater at Boys Hostel



Capacity = 3 KW


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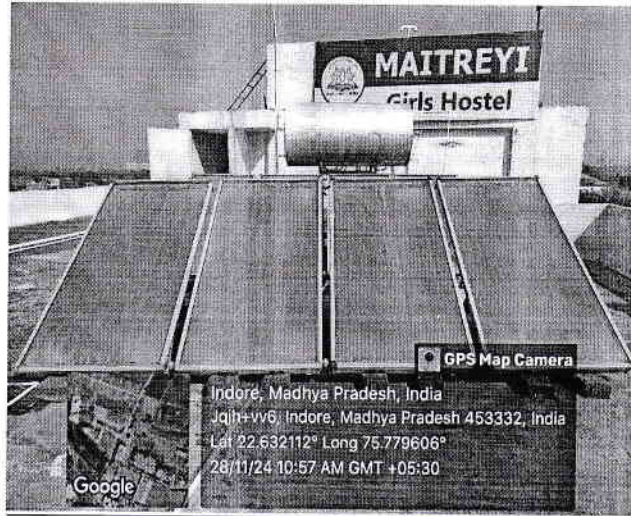


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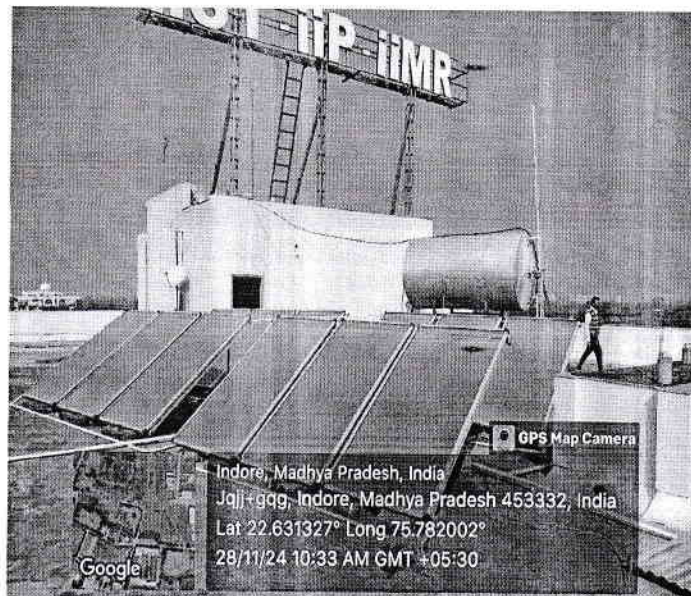
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B. Solar Water heater at Girls Hostel



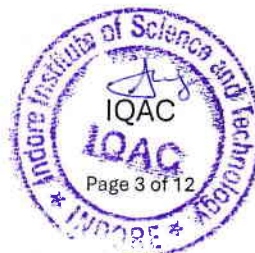
Capacity = 3 KW

C. Solar Water heater at Staff Quarter



Capacity =2 KW


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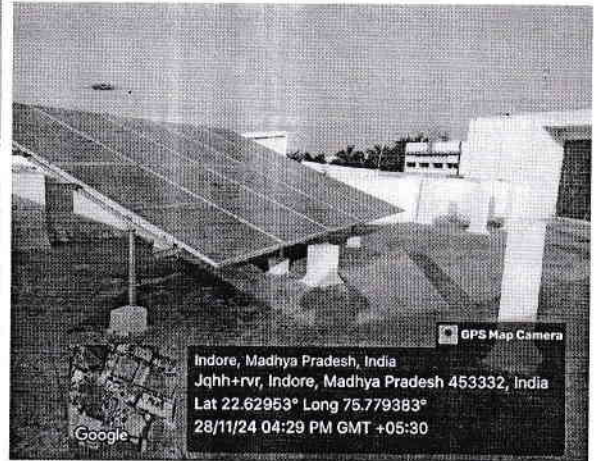
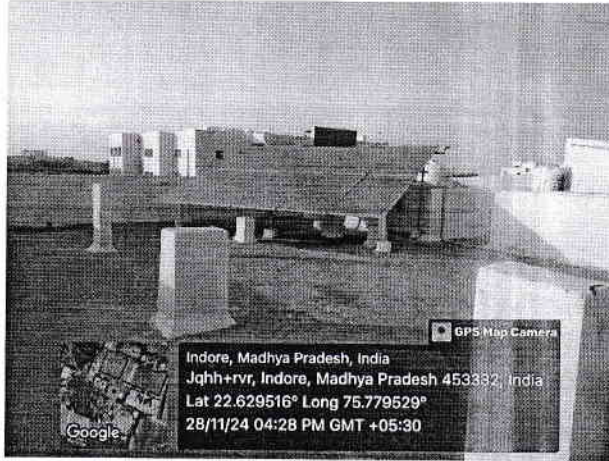

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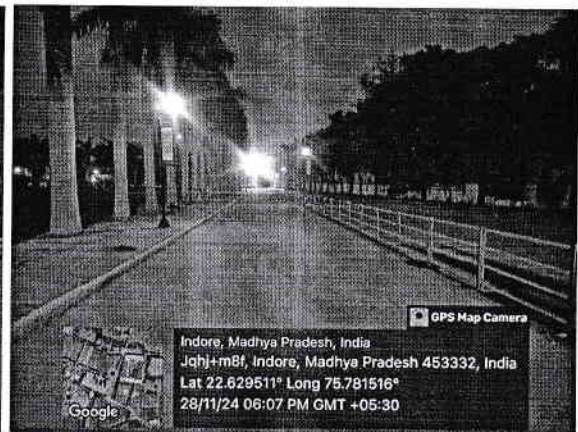
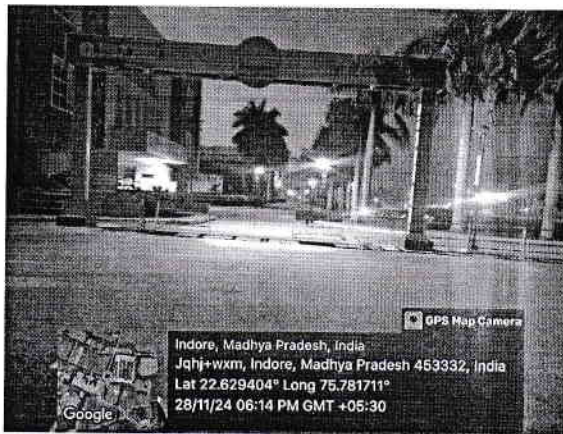
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D. Solar Water heater at Canteen



Capacity = 5 KW

2. Geotagged photo for Use of LED bulbs/ power efficient equipment



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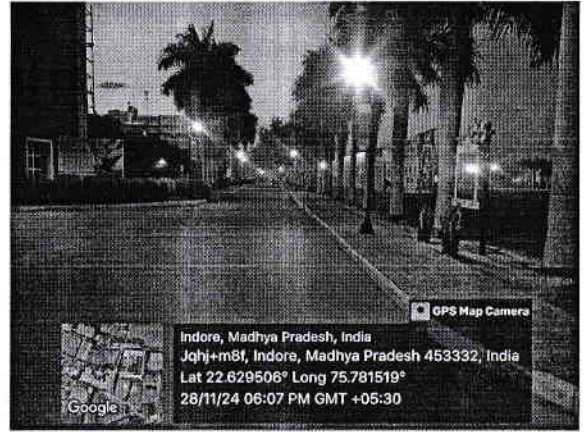
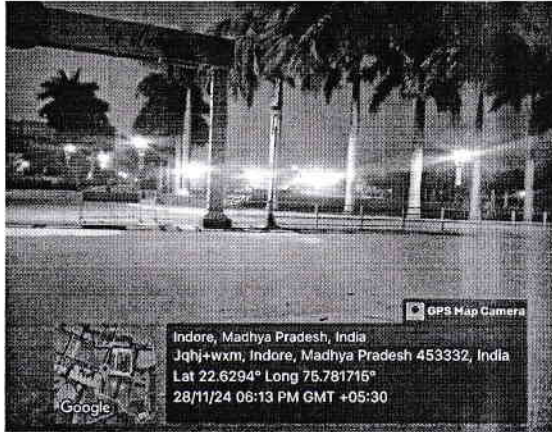
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Various locations in IIST Campus Building using LED.


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3. Load Calculation and Light Summary of IIST Campus

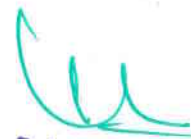


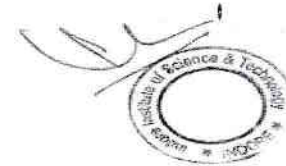
INDORE INSTITUTE OF SCIENCE AND TECHNOLOGY INDORE
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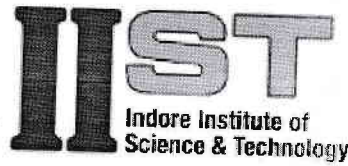
Location	2X2 LED 36 Watt	20 WATT LED TUBE LIGHT	36 WATT TUBE LIGHT	75 WATT FAN	28 Watt BLDC Fan	POWER POINT	EX FAN	CFL/LED 20 WATT	CFL/LED 8/5 WATT	AC	LAMP 100 WATT	METAL LIGHT 400 WATT	METAL LIGHT 250 WATT	METAL LIGHT 150 WATT	8 INCH LIGHTS	SPOT LIGHT	LED LIGHT	FOOT LIGHT	SOLAR PANEL	LED LIGHT 120 Watt	LED LIGHT 200 Watt	
A Block	122	55	160	190	43	74	8			14					264	6						
B Block	88	23	93	138	0	76	7			15					258	3	32	42				
C Block	166	53	109	192	47	67	4			13					68	12						
Canteen			70	63	0	21	5												5kw			
Girls Hostel			115	64	0	36			30										3kw			
Boys Hostel			144	100	0	19		97	144		1								3kw			
Staff Flat			8	68	0	111	1	80		3									2kw			
Guest House			2	9	0	20	4	52		8	9				5	37						
Other			32	12	0	1	5	54		4	6	2	5	6							20	8
Total	376	131	733	836	90	425	34	289	174	57	16	2	5	6	595	58	32	42			20	8
	13536	2620	26388	62700	2520	6800	2550	5780	1392	85500	1600	800	1250	900	8925	696	640	6300	0		2400	1600
	13.536	2.62	26.388	62.7	2.52	6.8	2.55	5.78	1.392	85.5	1.6	0.8	1.25	0.9	8.925	0.696	0.64	6.3	0		2.4	1.6
Total K Watt											234.897											
Per Phase											78.299											


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4. Bills for Alternative source of Energy and Energy Conservation

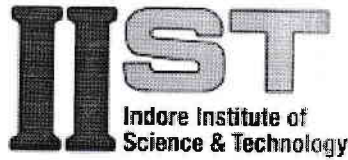
A. Bills for Solar System

Shail Educational & Welfare Society 2010-11 Pithampur-by-Pass Road Indore Financial Year 2009-10 Journal Register 1-Apr-2010 to 31-Mar-2011					
Date	Particulars	Vch Type	Vch No.	Debit Amount	Page 1 Credit Amount
27-11-2010	Hostel Equipments Rawat Industries Bill No. 33 dt. 18.11.10 of Rawat Industries towards purchase Solar Water Heater - 1000 LPD (Qty 1 System) for Girls Hostel Vide GRN No. SEWS/10-11 /1837 dt. 18.11.10 against Shail P.O./09-10/285 dt. 29.09.10 for a/c.	Journal	JV-11-139	1,83,000.00	1,83,000.00
27-11-2010	Office Equipments Rawat Industries Bill No. 34 dt. 18.11.10 of Rawat Industries towards purchase Solar Water Heater - 1500 LPD (Qty 1 System) for Staff Quatrs Vide GRN No. SEWS/10-11 /1838 dt. 18.11.10 against Shail P.O./10-11/295 dt. 05.10.10 for a/c.	Journal	JV-11-140	2,74,500.00	2,74,500.00


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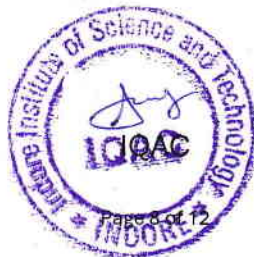
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2023-2024

Shail Educational & Welfare Society Opp. IIM, Pithampur Road, INDORE					
Solar Power Plant Ledger Account					
<i>Solar Panel</i>					
1-Apr-2021 to 31-Mar-2022					
Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
28-2-2022	To Mine Teknology New Ref JV/02/89 Invoice no:- 61 dt. 20.01.2022 Payble to Mine Teknology towards Purchase Solar Plant (01 Nos.) & Battery (04 nos.) vide GRN no:- 431 dt. 03.02.2022 & PO no:- 266 dt. 29.12.2021 as per details attached	Journal	JV/02/89	3,10,544.00	
				3,10,544.00	
By	Closing Balance				3,10,544.00
				3,10,544.00	3,10,544.00

Bill for solar water heater & solar plant

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2023-2024

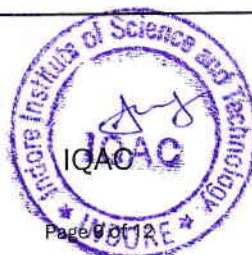
B. Bills for LED Lights

Indore Institute of Science and Technology 22-23					Page 1
Opp. IIM Pithampur Road, INDORE.					Credit
Repair & Maint. Electricals					
Ledger Account					
1-Apr-2022 to 31-Mar-2023					
Date	Particulars	Vch Type	Vch No.	Debit	
28-3-2023	To Shail Educational & Welfare Society Bill no 6559 dt 16.02.23 Payable Dynatech Engineers Purchase SSK PAB & SSK SQ light GRN 998 dt 03.03.23 PO 494 dt 15.02. 23	Journal	JV/03/185	66,434.00	
				66,434.00	
By	Closing Balance				66,434.00
				66,434.00	66,434.00

For Indore Institute of Science And Technology

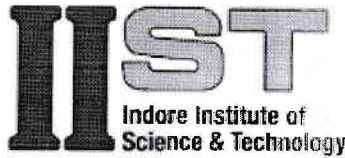
[Signature]
(G.M. Finance)

[Signature]
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[Signature]
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2023-2024

DYNATECH ENGINEERS
 B-22 New Siyaganj, Patthar Godown Road, Indore (MP) 452007
 Tel: 0731-2546828, 4056586
 Mob: 9109911124, 9109911126
 Email: info@dynatechengineers.com / Web: www.dynatechengineers.com
 GSTIN : 23AANPT5954B1ZK

Invoice No : DE/2022-23/6559 Date : 16-Feb-2024
 Transport :
 LR/MTR No : Date :
 Destination : INDORE
 Customer PO No : SEWS/PO/22-23/496 Date : 15-Feb-2024
 E-Way Bill No :
 Contact No : 9827614809

Consignee (Ship to)
HAIL EDUCATIONAL AND WELFARE SOCIETY
 Indore (IIST college)
 INDORE (M.P.)
 State Name : Madhya Pradesh, Code : 23
 Buyer (Bill to)
HAIL EDUCATIONAL AND WELFARE SOCIETY
 Indore (IIST college)
 INDORE (M.P.)
 State Name : Madhya Pradesh, Code : 23

Description	Make	HSN/SAC	GST%	Qty	Per	Price	Disc.	Rate	Amount
1 SSK-PAB-6060-B 6.6K	SYSKA	94054090	18 %	25	NOS	1,180.00		1,180.00	29,500.00
2 SSK-SQ-2001-20W-SLIM-6500K	SYSKA	94054090	18 %	200	NOS	134.00		134.00	26,800.00
SGST 9% : 56,300.00 CGST 9% : 5,067.00 Grand Total : 66,434.00									66,434.00

INR Sixty Six Thousand Four Hundred Thirty Four Only
 HSN/SAC : 94054090

Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
56,300.00	9%	5,067.00	9%	5,067.00	10,134.00
Total		5,067.00		5,067.00	10,134.00

Tax Amount (in words) : INR Ten Thousand One Hundred Thirty Four Only

Sales : PUSKAR NATU 7566169003
 Accounts : 7580935190
 Dispatch : 7566145890
 Your Current Outstanding as of Now : 77,005.00 Dr

Our Bank Details
 Bank : HDFC BANK LTD
 A/c No. : 50200017051742
 IFS Code : HDFC0003855

For IIST/IMP/ IIMR
 For Indore Institute of Science and Technology

For : DYNATECH ENGINEERS

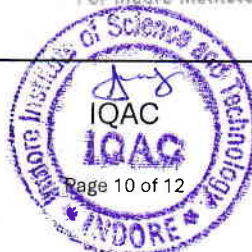
Terms & Conditions
 1. In case of cheque return 500/- charges will be charged.
 2. Interest@18% will be charged after 30 Days.
 3. Check your GSTIN on Bill, we won't hold any liability after.
 4. Cash Payment without Receipt will not be accepted.
 5. E & O E.

APPROVED
 (Director General)
 For Hail Educational & Welfare Society

CHECKED BY
 24 Mar 2024
 Auditor

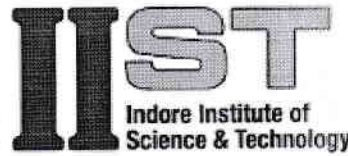
Handwritten notes: "Electrical Maintenance", "1157", "X664842 3/2", "20/3/2024", "21/6/23", "100", "100", "10-2-17", "24-3-23", "Dehlin", "Principal", "Principal", "Principal".

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2023-2024

LED.

Shail Educational & Welfare Society 17-18
Opp. IIM, Pithampur Road, INDORE

Journal Register
1-Apr-2017 to 31-Mar-2018

Date	Particulars	Vch Type	Vch No.	Debit Amount	Page 1 Credit Amount
31-3-2018	Electrical Fittings & Fixtures E Smart Energy Solutions Pvt Ltd Bill No.149 dt.1.3.2018 payable to Esmart Energy Solutions Pvt.Ltd. towards LED Street light 45 Watt (8 Nos.), 85 W(10 Nos.),Led Street light 120W (18 Nos.) vide GRN No.644 dt.13.3.2018 as per shail/p.o. /17-18/834 dt.9.2.2018.	Journal	JV/03/114	6,33,920.00	6,33,920.00

Shail Educational & Welfare Society
Opp. IIM, Pithampur Road, INDORE

E Smart Energy Solutions Pvt Ltd
Ledger Account

1-Apr-2019 to 31-Mar-2020

Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
28-2-2020	By Repair & Maint. Electricals Agst Ref BP/01/26 invoice 165 dt 10.12.19 LED Street Light 100 W Qty 5 nos @ 11607 Setteled advance E smart energy solutions Pvt Ltd GRN-898 dt 16.12.2019	Journal	JV/02/154	65,000.00 Cr	65,000.00
To	Closing Balance			65,000.00	65,000.00
				65,000.00	65,000.00


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2023-2024

Depository Solutions Private Limited
Plot No-6011
Model Estate
Khandwa Road
GATEWAY BYPASS ROAD, OPPOSITE 114 RAIL, INDORE
Dist: Narmada, Maharashtra, Code: 47
CIN: L21209MH2005PT000100010000

NAME EDUCATIONAL & WELFARE SOCIETY
KOTWADI ROAD, OPPOSITE 114 RAIL, INDORE
Dist: Narmada, Maharashtra, Code: 47
CIN: L21209MH2005PT000100010000

Invoice No: 445
Delivery Date: 1-12-2023
Supplier's Ref: NABIT-19
Supplier's Order No: 04444
Invoice Document No: 04444
Disputed through: 04444
Terms of Delivery: 04444

Description of Goods	HSD/MSD	QST	Quantity	Rate	per	Amount
LED BULKY LIGHT 40 WATT	84904000	17%	8 nos	7,000.00	nos	56,000.00
LED STREET LIGHT 65W	85004100	12%	10 nos	15,000.00	nos	1,50,000.00
LED Street Light 120 W	85004200	12%	10 nos	50,000.00	nos	5,00,000.00
OUTPUT GST						57,928.00
Total						6,33,928.00

Amount Chargable to tax: 633,928.00
3% GST: 19,017.84
Total: 652,945.84

Tax amount payable: 190,625.00

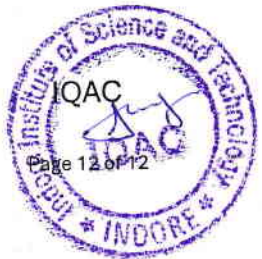
Company's Stamp: 44504444

Customer's Stamp and Signature: [Signature]

This is a Computer Generated Invoice

Sample bill for LED and its maintenance.

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