



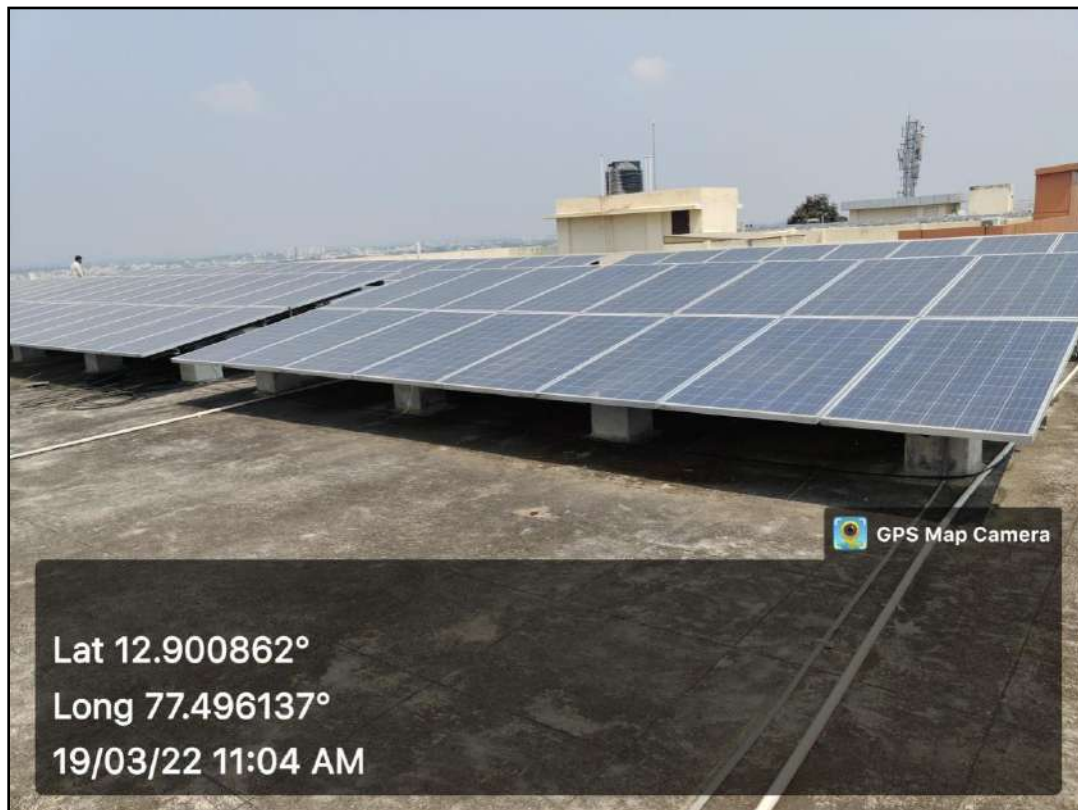
||Jai Sri Gurudev||
Sri AdichunchanagiriShikshana Trust ®
SJB INSTITUTE OF TECHNOLOGY
(A Constituent Institution of BGS & SJBIT Group of Institution & Hospitals)
No. 67, BGS Health & Education City, Dr. Vishnuvardhan Road,
Kengeri,Bengaluru - 560 060
Approved by AICTE - New Delhi.
Affiliated to Visvesvaraya Technological University, Belagavi,
2(f) and 12(B) recognized by UGC, New Delhi.
Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015

ENERGY CONSERVATION

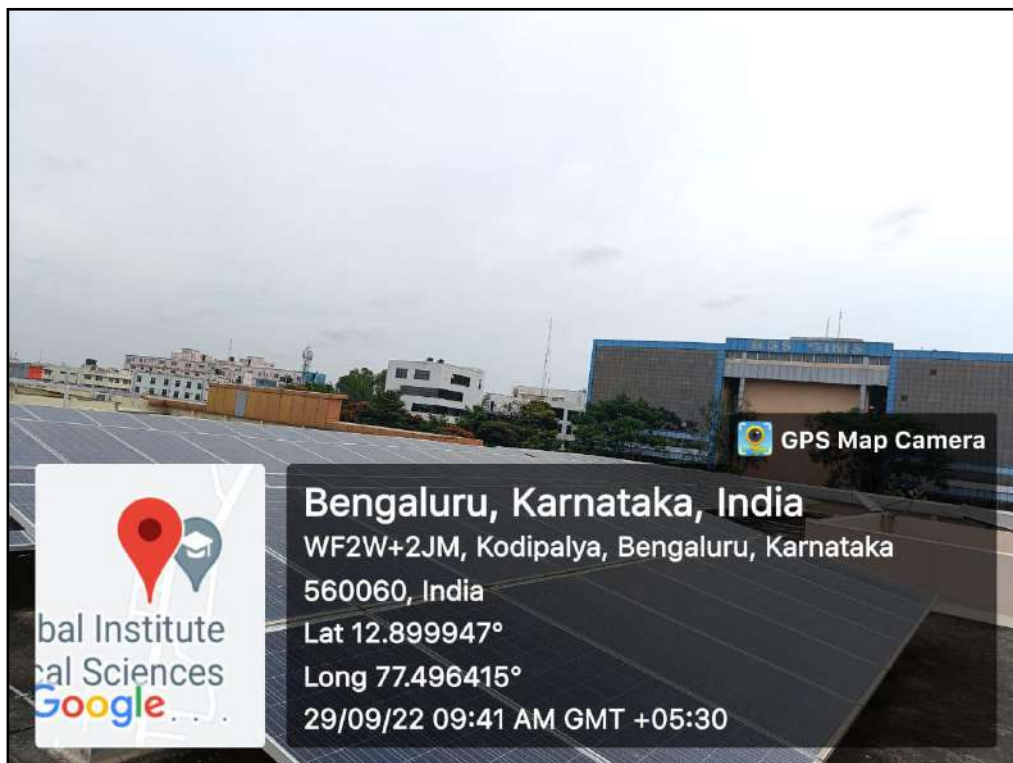
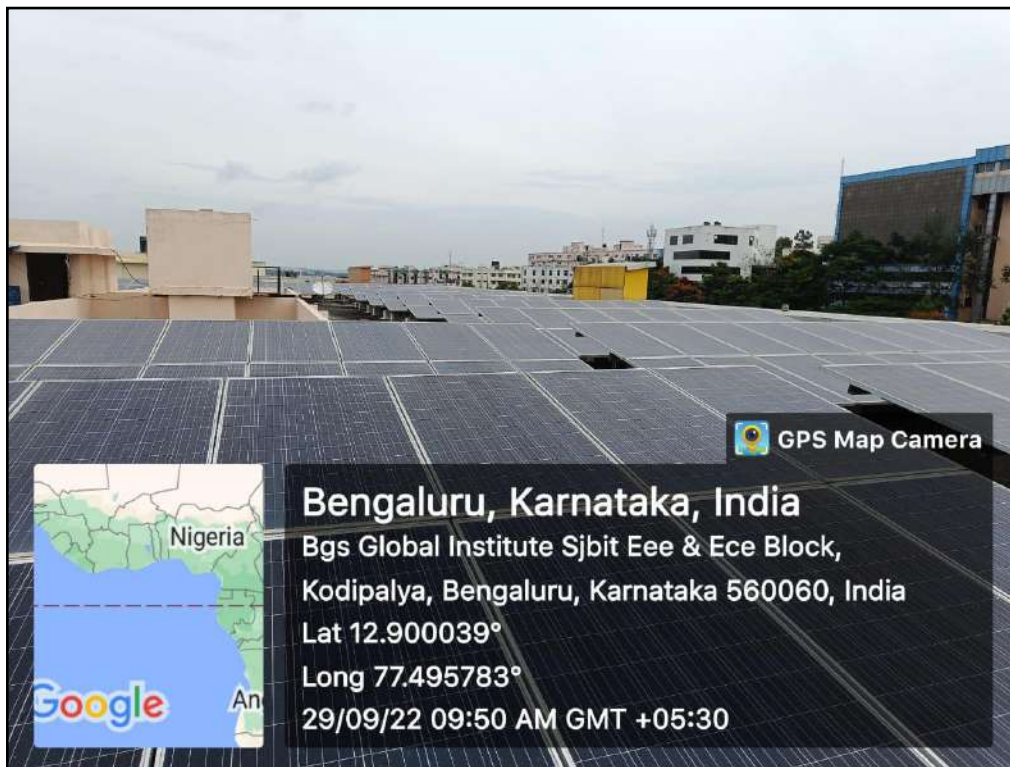
Solar Energy

SJB Institute of Technology is takes effective steps on harnessing solar energy in accordance with Ministry of New and Renewable energy (MNRE), Govt of India to promote the aim to develop and deploy new and Renewable energy for supplementing the energy of the country , by implementing solar PV power plant on SJBIT rooftop. This Solar power has been utilized for powering the entire institute. The details of the solar PV modules and geo-tagged images are provided

Solar Panel Installed on SJBIT roof top



Solar Panel Installed on SJBIT Roof top



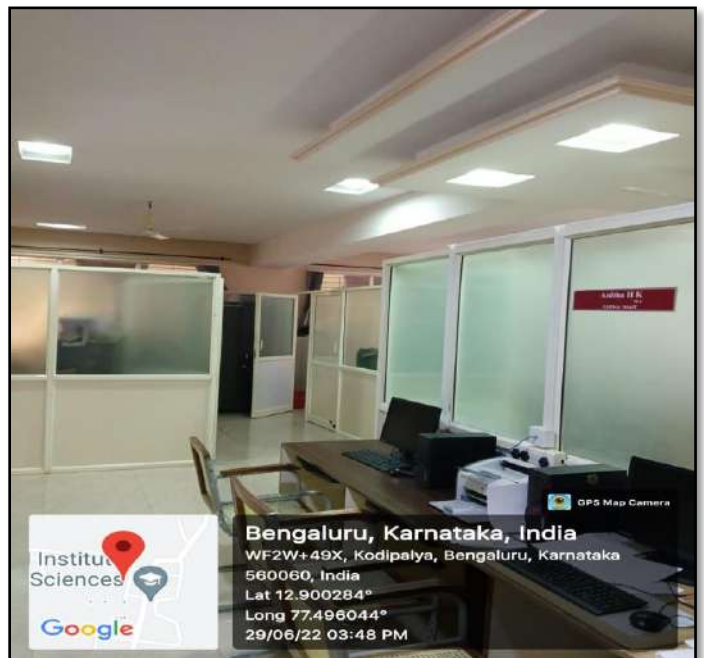
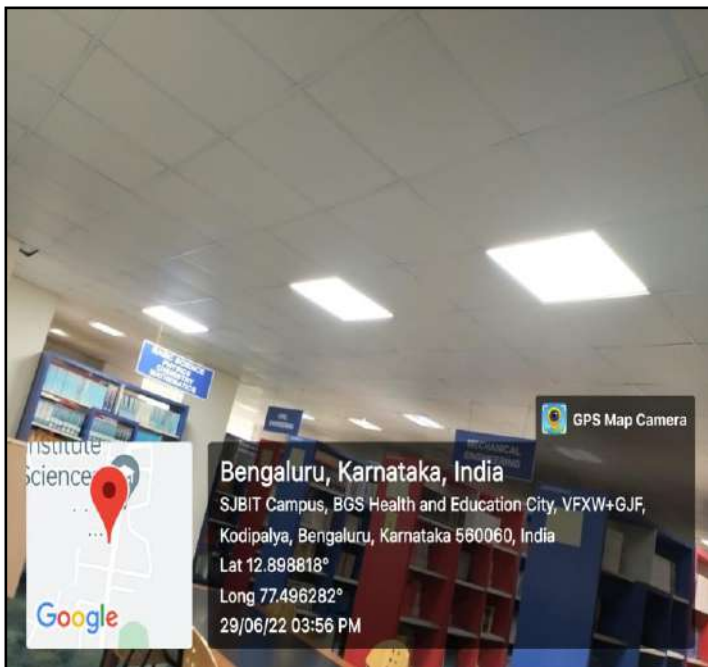
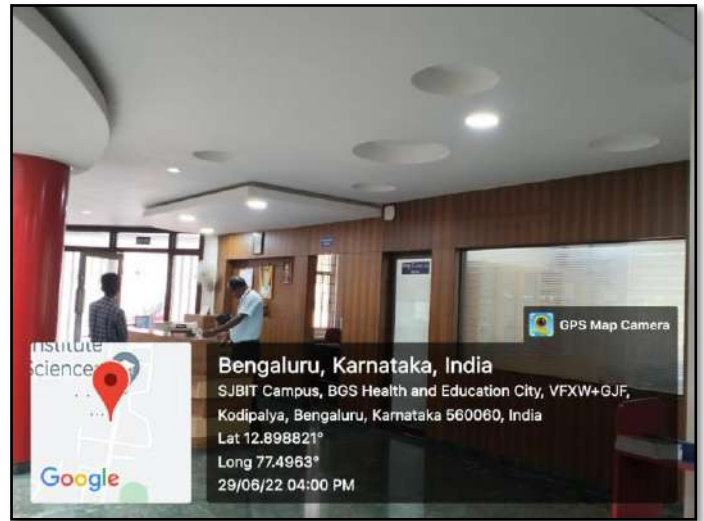
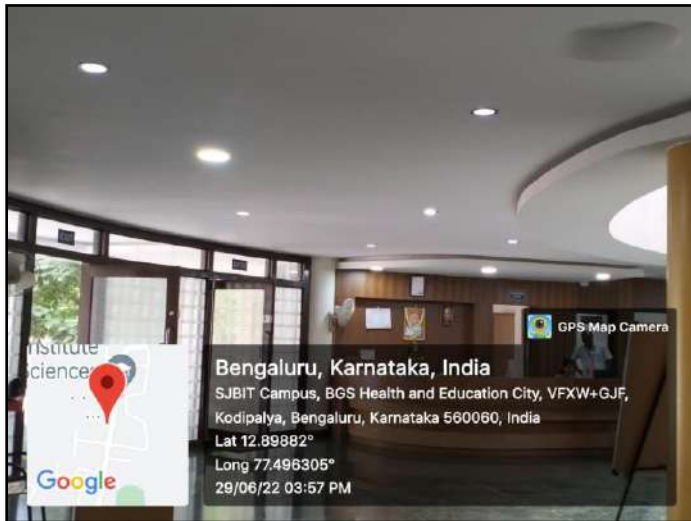
Solar net metering installed on SJBIT roof top



LED lamps and Displays

SJBIT has taken initiatives to replace the traditional lightning systems into LED lamps and displays to minimize the power consumption inside the campus. Some glimpses are shown below.

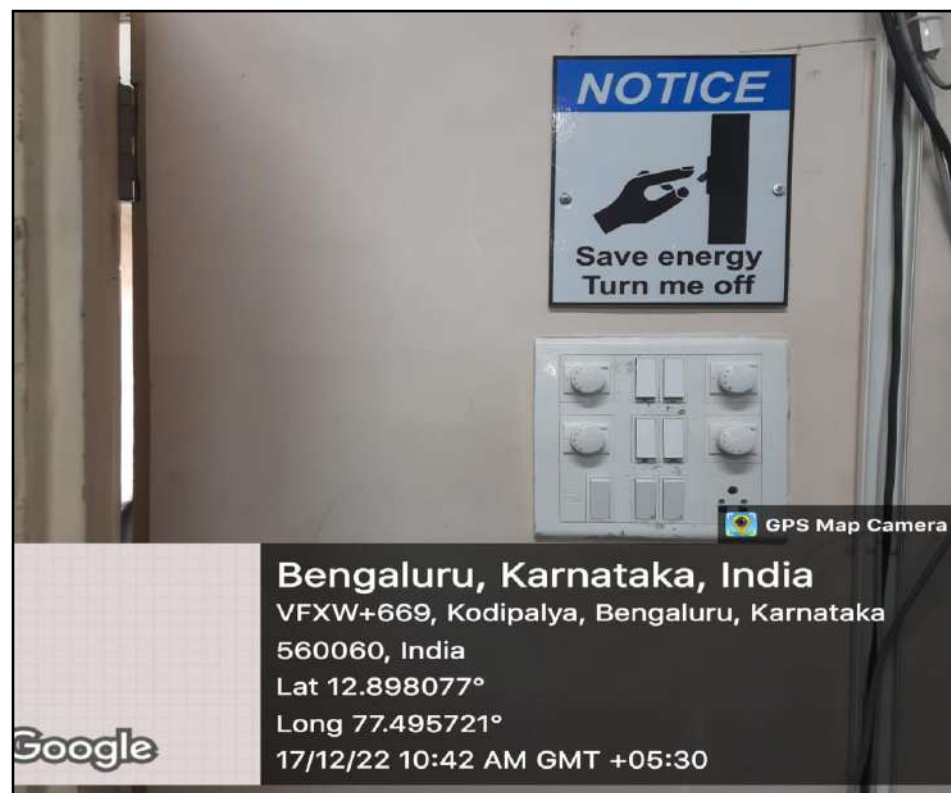
LED lamps Usages in Library, Class Rooms, Staff Room and Seminar Hall

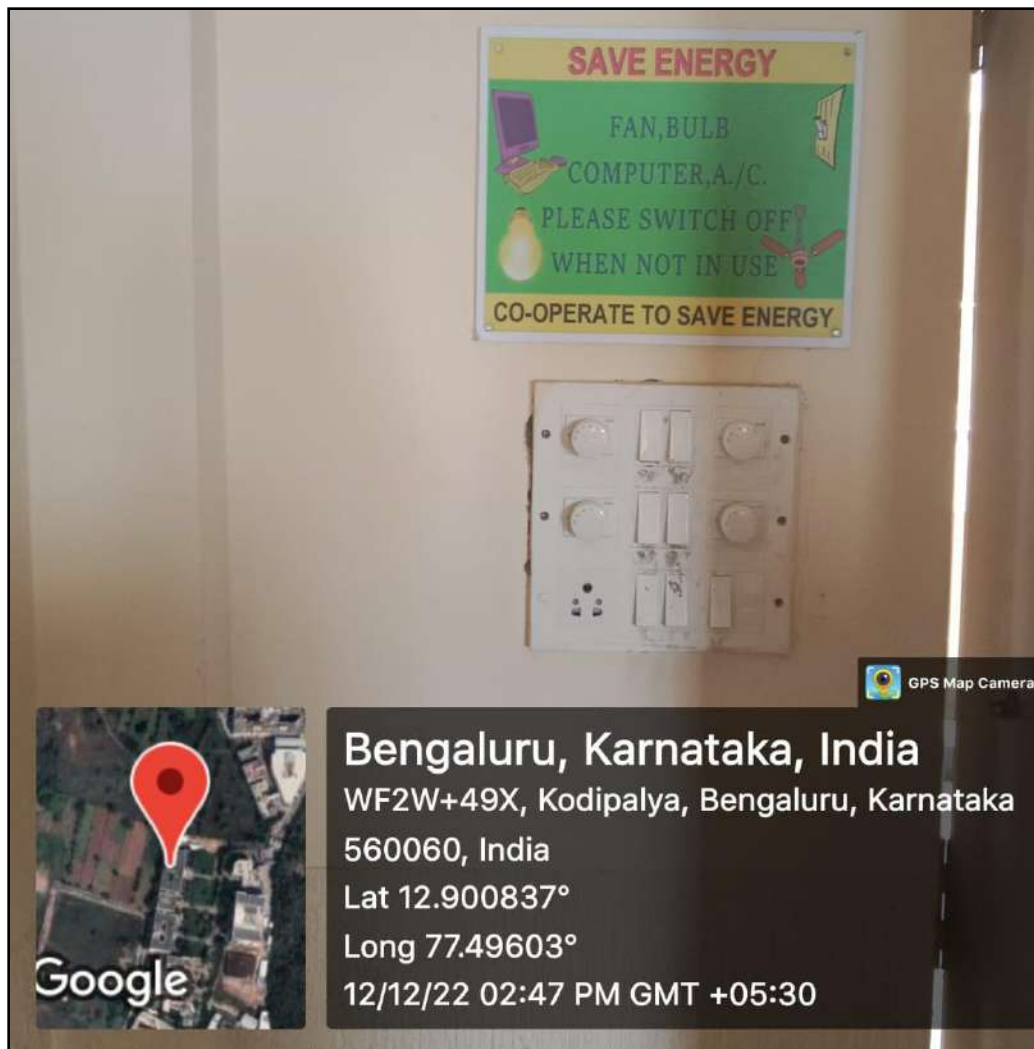


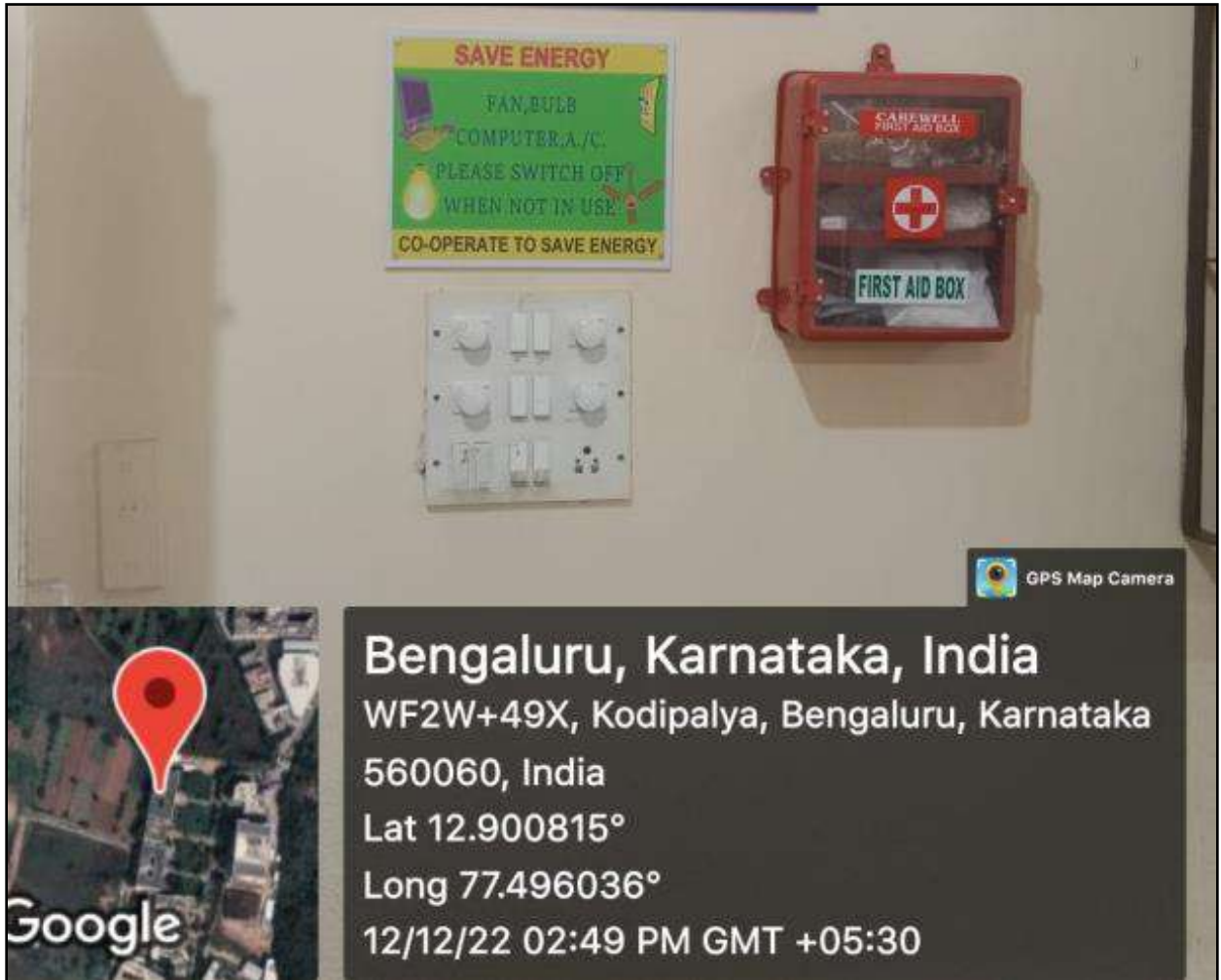


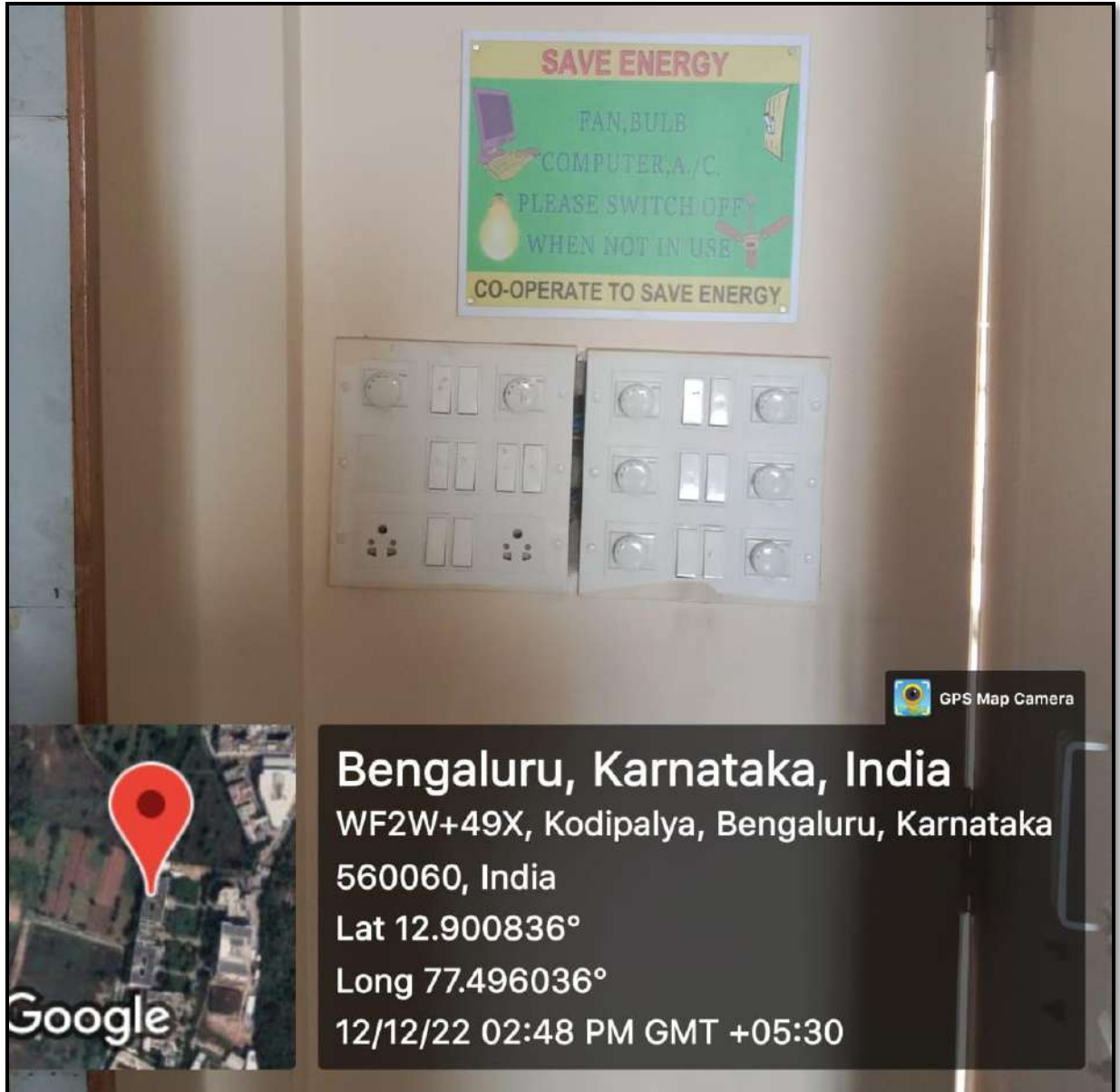
Save energy: Awareness Signboard on Class rooms:

To create the energy conservation among the students sign boards are installed in class rooms







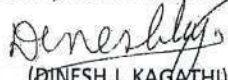


EXTRACT POINTS OF SOLAR AGREEMENT

Date of Agreement	: 24.07.2017
Rate fixed for Solar Power/Unit	: Rs.4.45/- per KWh including tax No changes in tariff till the tenure of agreement Except regulatory charges, if imposed.
Period of Tenure	: 25 Years (Lock in Period)
Solar Power Production Capacity	: 500KW+ 250KW(+/- 15%)/day (Guaranteed) 2020 Units/day
Utilization of Roof Area	: 90000sft. Of college roofs (GIMs & SJBIT)
Power Utilization	: No Limitation for consuming by Offtaker, but Surplus power should connect to main Grid (BESCOM)
Commissioning Date	: Within 120 Days from the effective date
Investment	: Entire Investment by the Power Producer & there is no obligation on part of Offtaker except Roof space for plant Agreement does not create JDA
Meter Reading & Assessment	: Joint meter reading system
Billing	: On actual consumption basis.
Bill Payment	: Monthly basis (by 1st week of every month)
Bank Guarantee	: BG for 20.00Lakhs – Annual Renewable
System Connections	: Synchronizing & Grid System
Meter Type	: Net Metering
Permissions/Approvals/Orders	: Wholly responsible of the Power Producer with assistance of Offtaker.
License, if any	: Offtaker's Risk(sep. agreement with BESCOM)
Surplus Power	: Responsibility of Power Producer till the entire Tenure
Plant Maintenance/Monitoring	: Power Producer shall have a right to borrow Loans from Fin. Institutions by assigning his Rights/interests,
Borrowing Power	: Not commissioning within 120 days Nonpayment of continuous 365 days, Nonperformance of Power Producer's Obligations
TERMINATION CLAUSES	After the effective date, if there is any changes In laws/regulations, then project Unviable (financially not feasible – 4.4) Violation of Clause 14, Clause 15 & Clause 22 (confidentiality, Indemnity & dispute resolution

Date:04.07.2017 for ReNew Solar Flame Pvt.Ltd.,

for Sri Adichunchanagiri Shikshana Trust®


(DINESH J. KAGATHI)
Head – Renewable


(SRI PRAKASHANATHA SWAMIJI)
Trustee/Secretary


Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.



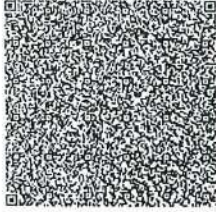
सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	: IN-DL14825704754667P
Certificate Issued Date	: 04-Aug-2017 11:30 AM
Account Reference	: IMPACC (IV)/ dl862203/ DELHI/ DL-DLH
Unique Doc. Reference	: SUBIN-DL86220330935991222378P
Purchased by	: RENEW DISTRIBUTED SOLAR ENERGY PVT LTD
Description of Document	: Article Others
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: RENEW DISTRIBUTED SOLAR ENERGY PVT LTD
Second Party	: Not Applicable
Stamp Duty Paid By	: RENEW DISTRIBUTED SOLAR ENERGY PVT LTD
Stamp Duty Amount(Rs.)	: 100 (One Hundred only)



Please write or type below this line

THIS FORMS AN INTEGRAL PART
OF THE ASSIGNMENT AGREEMENT
DATED 4th AUGUST 2017
FOR CAPACITY 500 KW (±15%)



Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at www.shellestamp.com. Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

ASSIGNMENT AGREEMENT

This Assignment Agreement ("Agreement") is executed on this 4th day of August, 2017,

AMONGST

1. **Renew Solar Sun Flame Private Limited**, a company incorporated under the Companies Act, 1956, and having its registered office at 138, Ansal Chambers II, Bikaji Cama Place, Delhi-110 066 and corporate office at 10th Floor, DLF Square Building, Jacaranda Marg, DLF Phase 2, Sector 25, Gurgaon-122002 (hereinafter referred to as "**Assignor**", which expression, unless repugnant to the context or meaning thereof shall be deemed to include its successors and permitted assigns) of the First Part;
2. **Renew Distributed Solar Energy Private Limited**, a company incorporated under the laws of India and having its registered office at B-53, Sector 37, Greater Noida, UP-201303 and corporate office at 10th Floor, DLF Square Building, Jacaranda Marg, DLF Phase 2, Sector 25, Gurgaon-122002 (hereinafter referred to as "**Assignee**", which expression, unless repugnant to the context or meaning thereof shall be deemed to include its successors and permitted assigns) of the Second Part;

AND

3. **Sri Adichunchanagiri Shikshana Trust**, an educational Trust registered as a charitable trust under the Trust Act (Regn no: 891/73-74 on 15.01.1974) and having its registered office at Sri Adichunchanagiri Kshetra, Nagamangala Taluk, Mandya District, Karnataka, India and (hereinafter referred to as "**Offtaker**", which expression, unless repugnant to the context or meaning thereof shall be deemed to include its successors and permitted assigns) of the Third Part;

The Assignor, Assignee and the Offtaker are individually referred to as the "**Party**" and collectively referred to as the "**Parties**".

WHEREAS:

- A. The Assignor is in the business of power generation and executed a power purchase agreement dated July 24, 2017 ("**PPA**"), for a capacity of 500 KW (+/-15%), with the Offtaker for design, engineering, manufacture, supply, erection, testing and commissioning including warranty, operation and maintenance of roof top solar PV system in the Offtaker's facility ("**Project**"). A copy of the PPA is annexed hereto and marked as **Annexure I** to form part of this Agreement.
- C. The Assignor is desirous of assigning the rights and obligations of the Assignor under the PPA in favour of the Assignee. The PPA provides that it shall not be assigned by any party to the PPA without the prior written consent of the other Party.
- D. Accordingly, the Assignor has sought the permission of the Offtaker and the Offtaker has agreed to assignment of the PPA by the Assignor in favour of the Assignee. Accordingly, this Agreement to assign is executed between the Parties and upon execution of this Agreement, the Assignee shall be bound by the provisions of the PPA and the terms and conditions of the business agreement, if any, executed between the Assignor and the Assignee.

NOW, THEREFORE, in consideration of the foregoing and the respective covenants and agreements



20.4.2017
Principal
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Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

set forth in this Agreement, the PPA and the commercial terms and conditions mutually agreed between the Assignee and the Assignor, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the Parties agree as follows:

1. Definitions and interpretation

Capitalised terms used but not defined in this Agreement shall, unless the context otherwise requires, have the respective meanings ascribed thereto in the PPA.

2. Assignment of PPA

2.1 The Assignor hereby and in pursuance of this Agreement unconditionally and absolutely assigns to the Assignee any and all of its rights, title and interest in the concession and obligations under the PPA. The Assignee irrevocably accepts such Assignment in favour of itself and agrees to abide by the terms of the PPA.

2.2 The Assignee hereby acknowledges that it has heretofore received a copy of, and has read and understands the PPA and agrees and confirms that it shall be bound by all provisions of the PPA as if it was an original party thereto, including with respect to the rights and obligations of the Assignor contained therein, and the PPA shall have full force and effect on it, and shall be read and construed to be binding on it. The Parties agree that the detailed business and commercial arrangement between the Assignee and the Assignor shall be in accordance with the provisions of the business agreement to be executed between the Assignee and the Assignor.

3. Acknowledgment

The Offtaker hereby agrees to assignment of the PPA in favour of the Assignee and confirms that it does not have any objection to such assignment and the terms and conditions of this Agreement.

4. Further Assurance

The Assignor agrees that at any time and from time to time upon the written request and at the cost of the Assignee, it will promptly and duly execute and deliver to the Assignee any and all such further instruments and documents and promptly take all such further action as the Assignee may consider desirable, acting reasonably, for it to obtain the full benefit of the assignment contained in Clause 2 of this Agreement, which the Assignee requests and the Assignor approves, such approval not to be unreasonably withheld or delayed.

5. Liability

The Parties agree that all the liabilities arising from the date of this Agreement, in relation to the Project, shall be borne by the Assignee. For the avoidance of doubt, all liabilities arising prior to the execution of this Agreement shall be solely borne by the Assignor.

6. Costs

All costs, stamp duties payable on or in connection to this Agreement or any deeds or documents executed by the Assignor or Assignee in connection with such assignment shall be borne equally



10-5-20.4.2022
Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

by the Assignor and the Assignee.

7. **Governing Law**

This Agreement shall be governed by and construed in accordance with the laws of the India and the court at Delhi shall have exclusive jurisdiction. The terms and conditions of the PPA in relation to dispute resolution, the provisions regarding arbitration and other terms and conditions shall be deemed to have been incorporated in this Agreement except that the seat of arbitration for disputes arising out of this Agreement shall be Delhi.

IN WITNESS WHEREOF THE PARTIES HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN

Signature:

Name and Title: Mr Prabhat Kumar Mishra, Authorised Signatory
On behalf of **Renew Distributed Solar Energy Private Limited**


Signature:


Name and Title: Mr Prabhat Kumar Mishra, Authorised Signatory
On behalf of **ReNew Solar Sun Flame Private Limited**

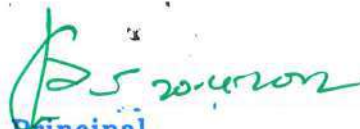
Signature:

Name and Title: Sri Sri Prakashanatha Swamiji, Trustee & Authorized Signatory
On behalf of **Sri Adichunchanagiri Shikshana Trust**

In the presence of:

Witnesses: 1. 
DINESH J KACATHI
266, 2nd CROSS, 9th Mn.
Vijaya Nagar, Bangalore

2. 
DINESH J KACATHI
67, ANURAGHA, 10th MAIN
BINNI LAYOUT II STAGE
NAGARBHANI ROAD
VIJAYANAGAR
BANGALORE - 560040


Principal

SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

ReNew Distributed Solar Energy Private Limited

M/s. Sri Adichunchanagiri Shikshana Trust 1

Bill To:

Kind Attention : Mr. Sathish, Electrical Engineer (O&M), BGS Global Institute Of Medical Sciences, 67, Uttranhalli Main Road, 5th Stage RR Nagar, Bengaluru-560098, Karnataka, India

Ship To:

Kind Attention : Mr. Sathish, Electrical Engineer (O&M), BGS Global Institute Of Medical Sciences, 67, Uttranhalli Main Road, 5th Stage RR Nagar, Bengaluru-560098, Karnataka, India

GSTIN:

Solar Plant Total Capacity (kW): 423.68

SUMMARY OF CONSUMPTION

52,554.80	29	1,812.23	4.28
Total Billed Units	Days	kWh/Day	kWh/kWp/Day

BREAKUP OF CURRENT BILL

	Units(kWh)	Tariff(Rs/kWh)	Amount(Rs.)
Generation	52,109.80	4.450	2,31,888.61
Adjustment(kWh)	0.00	4.450	0.00
Deemed Generation	445.00	4.450	1,980.25
Solar Charges	For SJB Institute of Technology		2,33,868.86
Electricity Duty			0
GST @0%			0.00
Total Charges		Managing Director	2,33,868.86

Remarks:

For SJB Institute of Technology

[Signature]
Principal

For any queries contact here **1800 3000 1345**

SOLAR BILL OF SUPPLY

- February 2022

Bill No: S4131HR21-22/053
Bill Date: 11-Mar-2022
Bill Start Date: 03-Feb-2022
Bill End Date: 03-Mar-2022
HSN Code: 27160000

YOUR BILL OVERVIEW

Due Date: 26-Mar-2022
Late Payment Penalty: 0% / Month
Total Amount

Rs 2,33,869

Equals

Current Bill Amount

Rs 2,33,868.86

+

Late Penalty Charges

Rs 0.00

PAYMENT DETAILS

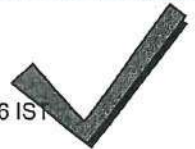
Bank Name: SBI A/c - 38205338865
A/C No: 38205338865
IFSC Code: SBIN0050933

Authorized Signatory:

Mr. A V Rajasekhar

[Signature]

Digitally signed by
A V RAJA SEKHAR
Date: 2022.03.11 18:43:56 IST
Location: Hyderabad



This Bill is generated on behalf of
ReNew Distributed Solar Energy Private
Limited

Registered Office: Block 1, Zone 6, ReNew Hub, DLF Building,
Phase V, Main sector road, Commercial complex, Golf Course
Road, Gurgaon-122002, Haryana, India

GSTIN: 06AAHCR9317F1ZA

[Signature]
Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

[Signature]
12/04/2022

METER READINGS

Meters	Start Reading	End Reading	Difference	MF	Adjustment	Total Units
SJBIT - ECE _EEE BLOCK	13,310.1000	13,657.7000	347.6000	80.00	0.00	27,808.00
MECH CIVIL BLOCK SJBIT	7,25,432.0000	7,43,080.0000	17,648.0000	1.00	0.00	17,648.00
ARCHITECT URE BLOCK	12,663.1700	12,995.8600	332.6900	20.00	0.00	6,653.80
Total generation						52109.80

FAQs

Generation Units

Energy generated by Solar Power Plant for the given invoice period as recorded by energy meters

Adjustment Units

Units derived from alternative record (for example Inverter generation record) for the specific instances where deviation was observed in generation unit due to technical issues in the metering panel

Tariff

Per unit agreed cost for billing for the invoice period as per Power Purchase Agreement

Deemed Generation Units

Potential Units generated for periods when Solar Power Plant could not operate due to reasons un-attributable to the Power producer including but not limited to power outage, curtailment of solar generation with DG running etc

*Plus
Kumar
12/09/2022*

25.04.2022

Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

Digitally signed by
A V RAJA SEKHAR
Date: 2022.03.11 18:43:56 IST
Location: Hyderabad





Bangalore Electricity Supply Company Limited
(Wholly Owned Government of Karnataka Undertaking)

BESCOM GSTN No 29AACCB1412G1Z5

Office of the Asst. Executive Engineer (Ele.), C, O&M Sub-division - K1 KENGERI

RR No.	Account ID	Bill No.	Billing Period	Bill Date	Due Date	Disconnection Date
3402068280 (W7HT9)	3402068000	340202410036	01-03-2022 - 01-04-2022	01-04-2022	16-04-2022	02-05-2022

Name & Address: SRI ADICHUNCHUNAGIRI EDUCATIONAL INSTITUTIONPVT RRNAGAR, KAR -	Type	Educational Institutions - HT2C	Wheeling Energy	0
	Tariff	1HT2C2	High Cost Energy	
	Contract Demand(KVA)	250	Special Energy	
	85% of CD (KVA)	213	Base Consumption	
	Recorded Demand (KVA)	74	Power Cut	
	Billing Demand (KVA)	213	Energy Entitlement	
			Demand Entitlement	

Meter Readings for Meter ID 3560214646					
Description	Date	KWH Meter	KVAH Meter	MD meter	PF
Present Reading	01-04-2022	588.04	0	0591	0.96
Previous Reading	01-03-2022	574.73	0		
Difference		13.31	0	0591	
Meter Constant		1250	1250	1250	
Consumption		16637.5	0	73.875	
Loss/Add Consumption		0	0		
Net Consumption		16637.5	0	73.875	0.96

For SJB Institute of Technology

C
Managing Director

For SJB Institute of Technology

13.4.2022
Principal

TOD meter readings for meter ID 3560214646

Time Zone	Name of the Zone	Present Readings	Previous Readings	Consumption	MD Reading
06:00 Hrs to 10:00 Hrs	Morning Peak	0	0	0	0
10:00 Hrs to 18:00 Hrs	Normal	0	0	0	0
18:00 Hrs to 22:00 Hrs	On Peak	0	0	0	0
22:00 Hrs to 06:00 Hrs	Off Peak	0	0	0	0

Hrs	On		
Details for NEFT/RTGS <u>This Bill Payment Only.</u> Beneficiary Name : BESCOM Account Number : 3402068000 Bank Name : Bank of India Branch : Cantonment IFSC : BKID00BSCOM Amount : 117808.00	Your Detailed Bill		Amount (Rs.)
	Description		
	Demand Charges: 213.00 KVA at Rs240.00 per kVA		51,120.00
	Energy Charges: First 7,450.00 kWh at Rs8.20 per kWh		61,090.00
	Interest on Revenue		100.00
	Interest on Tax		0.00
	Tax		5498.10
	Current Bill Amount		117808.10
	Arrears		0.00
	Bill Correction		0.00
	Bill rounding adjustment		-0.10
	Net Payable Amount		117808.00
	Rupees One Lakh Seventeen Thousand Eight Hundred Eight Only		
	Sd/- Assistant Executive Engineer (Ele.)		

K V MAHENDRA
PRASHANTH

Digitally signed by K V
MAHENDRA PRASHANTH
Date: 2022.05.04 16:44:50
+05'30'

20.4.2022
Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.



Bangalore Electricity Supply Company Limited
(Wholly Owned Government of Karnataka Undertaking)

BESCOM GSTN No: 29AACCB1412G1Z5

Office of the Asst. Executive Engineer (Ele.), C, O&M Sub-division - K1 KENGERI

RR No.	Account ID	Bill No.	Billing Period	Bill Date	Due Date	Disconnection Date
2316068860 (W7HT120)	2316068000	231603005312	01-03-2022 - 01-04-2022	01-04-2022	16-04-2022	02-05-2022

Name & Address: THE PRESIDENT THE PRESIDENTADICHUNCHANA GIRI SHIKSHANA TRUST-22 #69, NEAR ABHIMAN STUDIO, KAR	Type	Educational Institutions - HT2C	Wheeling Energy	0
	Tariff	1HT2C2	High Cost Energy	
	Contract Demand(KVA)	250	Special Energy	
	85% of CD (KVA)	213	Base Consumption	
	Recorded Demand (KVA)	302	Power Cut	
	Billing Demand (KVA)	302	Energy Entitlement Demand Entitlement	

Meter Readings for Meter ID 2971165017

Description	Date	KWH Meter	KVAH Meter	MD meter	PF
Present Reading	01-04-2022	1718.43	0	2418	0.88
Previous Reading	01-03-2022	1656.17	0		
Difference		62.26	0	2418	
Meter Constant		1250	1250	1250	
Consumption		77825	0	302.25	
Less/Add Consumption		0	0		
Net Consumption		77825	0	302.25	0.88

For SJB Institute of Technology

Managing Director

For SJB Institute of Technology

Principal

TOD meter readings for meter ID 2971165017

Time Zone	Name of the Zone	Present Readings	Previous Readings	Consumption	MD Reading
06:00 Hrs to 10:00 Hrs	Morning Peak	0	0	0	0
10:00 Hrs to 18:00 Hrs	Normal	0	0	0	0
18:00 Hrs to 22:00 Hrs	On Peak	0	0	0	0
22:00 Hrs to 06:00 Hrs	Off Peak	0	0	0	0

Details for NEFT/RTGS This Bill Payment Only. Beneficiary Name : BESCOM Account Number : 2316068000 Bank Name : Bank of India Branch : Cantonment IFSC : BKID00BSCOM Amount : 782867.00	Your Detailed Bill		Amount (Rs.)
	Description		
	Demand Charges: 250.00 KVA at Rs240.00 per KVA		60,000.00
	Energy Charges: First 77,562.50 kWh at Rs8.20 per kWh		636,012.50
	PF Surcharge: 77562.50 KWH * Rs: 0.06		4,653.75
	Excess Load/MD Penalty: 52.00 KVA at Rs480.00 per KVA		24,960.00
	Interest on Revenue		0.00
	Interest on Tax		0.00
	Tax		57241.13
	Current Bill Amount		782867.38
	Arrears		0.00
	Bill Correction		0.00
	Bill rounding adjustment		-0.38
	Net Payable Amount		782867.00
	Rupees Seven Lakh Eighty-Two Thousand Eight Hundred Sixty-Seven Only		
	Sd/- Assistant Executive Engineer (Ele.)		

KV
MAHENDRA
PRASHANTH

Digitally signed by KV
MAHENDRA PRASHANTH
Date: 2022.05.04 16:45:09
+05'30'

Principal
SJB Institute of Technology
67, BGS Health & Education City,
Dr. Vishnuvardhan Road,
Kengeri, Bengaluru - 560 060.

ಬೆಂಗಳೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ಲಿಮಿಟೆಡ್

K-1, ಸಬ್-ಡೈವಿಷನ್ / Sub-Division

ಮಾಹಿತಿ ಕೊಡಲು ಬೇಕಾದ ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ/ವಿದ್ಯುತ್ ಉಪಯೋಗ

May - 2022 Month SRTPV Electricity Generation / Grid Electricity Consumption Bill

1	ಮಾಹಿತಿ ಕೊಡಲು / RRNO	W7HT9	21	ಮಾಹಿತಿ ಕೊಡಲು / Cost of Purchase		ಮಾಹಿತಿ ಕೊಡಲು / Without Subsidy	ಮಾಹಿತಿ ಕೊಡಲು / With Subsidy
2	ಮಾಹಿತಿ ಕೊಡಲು / Account ID / Connection ID	3402068000				5.67	0.00
3	ಮಾಹಿತಿ ಕೊಡಲು / Name and Address: SRI ADICHUNCHUNAGIRI, EDUCATIONAL INSTITUTION, PVT		22	whether the consumer has availed MNRE subsidy (Yes or No)		NO	
4	ಮಾಹಿತಿ ಕೊಡಲು / Meter-Reader Code	MR-14011000	23	ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Gross Amount payable to Consumer (18 X 21 A or B)		0	
5	ಮಾಹಿತಿ ಕೊಡಲು / Tariff	HT2C	24	ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ / To be paid by Consumer			
6a	ಮಾಹಿತಿ ಕೊಡಲು / Sanctioned Load in kW	250 KVA	A	ಮಾಹಿತಿ ಕೊಡಲು / Fixed/Demand Charges (KW X Unit Rate)	KVA	ಮಾಹಿತಿ ಕೊಡಲು / BBMP/CMC/ULB in Rs.	ಮಾಹಿತಿ ಕೊಡಲು / Village Panchayath in Rs.
6b	Solar installed capacity in kW	212.48 KWP					Charges
7	ಬಿಲ್ಡಿಂಗ್ ಅವಧಿ / Billing Period	01-04-2022 30-04-2022				YES	
8	ಮಾಹಿತಿ ಕೊಡಲು / Reading Date	01-05-2022	i	Slab1	213	265.00	200.00
9	ಬಿ-ಡೈರೆಕ್ಷನಲ್ ಮೀಟರ್ ಕ್ರಮ ಸಂಖ್ಯೆ / Bi-Directional Meter SI No	1853037	ii	Slab2	0	0.00	0.00
10	ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Energy Recorded	(A) ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Energy Import	(B) ವಿದ್ಯುತ್ ಮೊತ್ತ / Energy Export	24A	Total Fixed charges(i+ii)		56445
11	ಪ್ರಸ್ತುತ ಓದ / Present Reading	602.60	391.93	24B	MD Penalty Charges [(MD Recorded - Sanctioned load) X Rate]		0
12	ಪೂರ್ವ ಓದ / Previous Reading	588.04	385.16	C	ವಿದ್ಯುತ್ ಮೊತ್ತ / Energy Charges (Units X Rate)		
13	ವ್ಯತ್ಯಾಸ / Difference (11-12)	14.56	6.77	i	Slab1	9737.5	8.25
14	ಮೀಟರ್ ಸ್ಥಿರ / Meter Constant	1250	1250	ii	Slab2	0	8.35
15	ಒಟ್ಟು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Total Energy Import / Export (13X 14)	18200	8462.5	iii	Slab3	0	0
16	ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Import (Consumption) / Export :	9737.5	0	iv	Slab4	0	0
17	(15A - 15B = ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Consumption) = ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ / Payable by Consumer	Not required		24C	Total Energy charges(i+ii+iii+iv)		80334
18	(15B - 15A = ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Export) = ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ / Payable by BESCOM			24D	ಶೇರಿ / Tax (ii 9% on 23C)		7230
19	ರೂಪಾಯಿ / Recorded MD	0.0767		24E	ರಬಾಟ್, ಒ.ಎ.ಎ. ಮೊತ್ತ / Rebates, TOD Charges, /FAC/others		0.0
20	ಪವರ್ ಫ್ಯಾಕ್ಟರ್ / Power Factor	0.961		24F	ಪವರ್ ಫ್ಯಾಕ್ಟರ್ ಮೊತ್ತ / Power Factor Penalty/TDS ON IOD		4240
ಮಾಹಿತಿ ಕೊಡಲು / SRTPV Meter Details:			24G	ಮಾಹಿತಿ ಕೊಡಲು / Arrears/ interest on Revenue and Tax/FAC/COURT CASE ARREARS		0	
21	ಮಾಹಿತಿ ಕೊಡಲು / SRTPV Meter SI No	18053041	24H	ಮಾಹಿತಿ ಕೊಡಲು / Credits, Adjustments/Round off adj/ISD & MSD INTEREST		42395	
22	ಪ್ರಸ್ತುತ ಓದ / Present Reading	14209	25	ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid by Consumer (24A+24B+24C+24D+24E+24F+24G-24H)		105854	
23	ಪೂರ್ವ ಓದ / Previous Reading	13859	26	ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid to by BESCOM		0	
24	ವ್ಯತ್ಯಾಸ / Difference (2 - 3)	350	29	ಪಾವತಿಸಬೇಕಾದ ದಿನಾಂಕ / Due Date for Payment		15-05-2022	
25	ಮಾಹಿತಿ ಕೊಡಲು / Meter Constant	80		Signature of the Meter Reader		E & O E	
26	ಮಾಹಿತಿ ಕೊಡಲು / SRTPV Meter SI No	28000					

Senior Asst / AAO
K1-Sub Division.Bescom, KengeriPrincipal
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Asst Executive Engineer (EI),
Sub Division.Bescom, Kengeri.

1	WHT120		21	2000000 / Cost of Purchase		Without Subsidy		With Subsidy	
2	2316068000				5.67		0.00		
3	THE PRESIDENT, ADICHUNCHANAGIRI SHIKSHANA TRUST-22		22	whether the consumer has availed MNRE subsidy (Yes or No)		NO			
4	MR-14011000		23	Gross Amount payable to Consumer (18 X 21 A or B)		0			
5	HT2C		24	To be paid by Consumer					
6a	250 KVA		A	Demand Charges (KW X Unit Rate)		KVA	Village Panchayath in Ra.		Charges
6b	211.2 KWP								
7	01-04-2022 30-04-2022				YES				
8	01-05-2022		i	Slab1	250	265.00	200.00	66250	
9	18053042		ii	Slab2	0	0.00	0.00	0	
10	(A) Energy Import (B) Energy Export		24A	Total Fixed charges (i+ii)				66250	
11	1778.65		24B	MD Penalty Charges [(MD Recorded - Sanctioned load) X Rate]				0	
12	1718.43		C	Energy Charges (Units X Rate)					
13	60.22		i	Slab1	74475.0	8.25	6.20	614419	
14	1250		ii	Slab2	0.0	8.35	6.60	0	
15	75275		iii	Slab3	0			0	
16	74475		iv	Slab4	0			0	
17	(15A - 15B = Net Consumption) = Payable by Consumer		24C	Total Energy charges (i+ii+iii+iv)				614419	
18	(15B - 15A = Net Export) = Payable by Consumer		24D	Tax @ 9% on 23C				55297.69	
19	0.3188		24E	Rebates, TOD Charges/FAC				0.00	
20	0.854		24F	Power Factor Penalty/MD Penalty				83438.5	
SRTPV Meter Details:			24G	Interest on Revenue and Tax/TDS on IOD				4756	
21	18053046		24H	Credits, Adjustments/Round off adj./ISD & MISD INTEREST				47559	
22	13720		25	Net Amount to be paid by Consumer (24A+24B+24C+24D+24E+24F+24G+24H)				776602	
23	13406.8		28	Net Amount to be paid to by DISCOM				0	
24	313.2		29	Due Date for Payment				15-05-2022	
25	60		Signature of the Meter Reader		Principal		E & O E		
26	18792				SJB Institute of Technology				

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Principal
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Energy Audit Report

(Extraction from Green Audit report)

VANALOK

environmental sustainability

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+91 9591100551 / 9449285226

1st September 2022

CERTIFICATE

This is to certify that SJB Institute of Technology Bangalore has conducted detailed Environmental Green Audit of their campus and has submitted necessary data and credentials for scrutiny. The activities and measures carried out by the college have been verified based on the report submitted and was found to be satisfactory. The efforts taken by the faculty and students towards environment and sustainability is highly appreciated and commendable.

Director



Vanishalok

Vanalok Private Ltd

Green Audit conducted By

Anisha

Anisha Udaykumar

21 / IN / 1022348 / 6032

Dr.
Principal

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4.2 Energy Management:

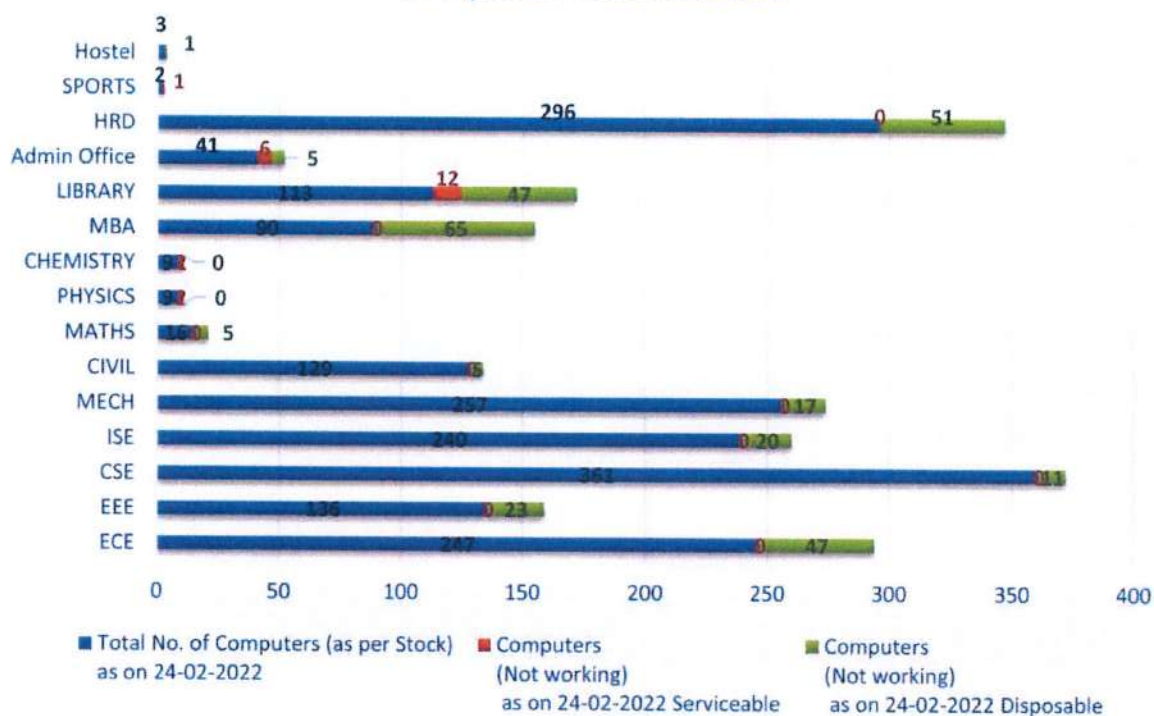
Energy conservation is an important component of campus sustainability, as it is linked to the institution's carbon footprint. Energy auditing primarily is associated with energy conservation and techniques for reducing consumption that contributes to environmental degradation. As a result, any environmentally conscious institution must evaluate its energy usage policies. This indicator addresses energy consumption, energy sources, energy monitoring, lighting, appliances, and vehicles. Energy use is an important aspect of campus sustainability and thus requires no explanation for its inclusion in the assessment.

Sl No.	Load	Numbers
1	Lights	1612 (Tube lights – 1333 + LED 172+ CFL - 107)
2	HV AC system	Fans – 901 AC – 7
3	Motors	Borewell – 4 Lift – 4

Sl No.	Specifications	Power	Qty
1	Kirloskar Diesel Generator Sets	250KAV	1
2	Cummins Diesel Generator Set	320KVA/415V	1

Solar Meter Readings	Total units (Feb 2022)
ECE - EEE Block	27,808
MECH – CIVIL Block	17,648

Computer Information



Observations:

Energy is one resource that is used in every branch of the institution. The primary source of energy is electricity and the total energy consumption for the FY 2021-22 is 730,812.5 Units respectively. Apart from this, there is a provision for a generator for emergencies. The college also uses UPS (36 numbers) on every floor for backup during power outages. All the rooms are well-lit and have enough and more provisions for natural lighting thereby saving a lot of energy in the day times. Apart from this the institution is slowly phasing out their older lighting to CFL's. The authorities have taken extra care to purchase only Energy Star certified equipment to ensure efficient usage of energy. The management has utilized its terrace space and invested in solar energy which is a renewable energy resource and the energy harvested is sent to the electricity department for a waiver in the electric bills. The total capacity of the solar power plant is 423.68 kW. The panels are spread over an area of 90000 sqft of the terrace space.

**Recommendations:**

1. Existing UPS system needs to be upgraded to smart UPS system which will help the institution to save energy.
2. Foot valves shall be used to automatically switch off the water supply when the tank reaches optimal levels. This could help save both energy as well as water. Automatic bore well management systems with sensors at the overhead tank as well as underground would help pump water only in case of shortages.
3. Using Brushless Direct Current Fans could help reduce the consumption by half. All traditional electric appliances shall be replaced with energy-efficient ones to reduce power consumption and wastages.
4. Lighting in some areas such as the toilets can be controlled by PIR (passive infrared light) sensors.
5. Holding power conservation and awareness events could help keep the college community engaged.
6. Switch on the energy saving modes in computers so that the system would shut down when there is no activity or idle.

5. Summary:

An audit of natural resources is an important tool for ensuring that natural resources are being used in an eco-friendly and sustainable manner. Green auditing is the process of determining whether institutional practices are environmentally friendly and sustainable. It is a continuous process of identification, monitoring and discussion. There is scope for further improvement, particularly concerning waste, energy and water management. The college in recent years consider the environmental impacts of most of its actions and makes a concerted effort to act in an environmentally responsible manner. Even though the college does perform fairly well, the recommendations in this report highlight many ways in which the college can work to improve its actions and become a more sustainable institution.

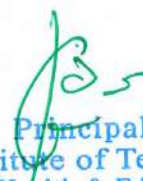


Figure 1: Good Environmental Practices for Sustainable Development.

6. Corollary:

From the green audit, the following conclusions can be made:

- ❖ Water management consists majorly of the rainwater harvesting systems that bring in a good amount of water that could be used during difficult times. More thought could be put into rainwater recharge pits that could replenish the ground water table.
- ❖ Food waste or wet waste, in general, can be turned into compost that can be used as enrichment for the green on the campus. This would help them institution lessen its dependence on the local authorities for disposal.
- ❖ E-waste is segregated, handled and disposed of properly in an eco-friendly and responsible manner.
- ❖ Reduction in the use of one-time-use plastics like bottles, cups, folders, pens and other decorations could help reduce the plastic waste menace on the campus.
- ❖ Wear masks signage were seen on the campus.


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