

## **Environmental consciousness and sustainability and Divyangjan friendly initiatives**

### **7.1.2 The institution has facilities and initiatives for**

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



||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

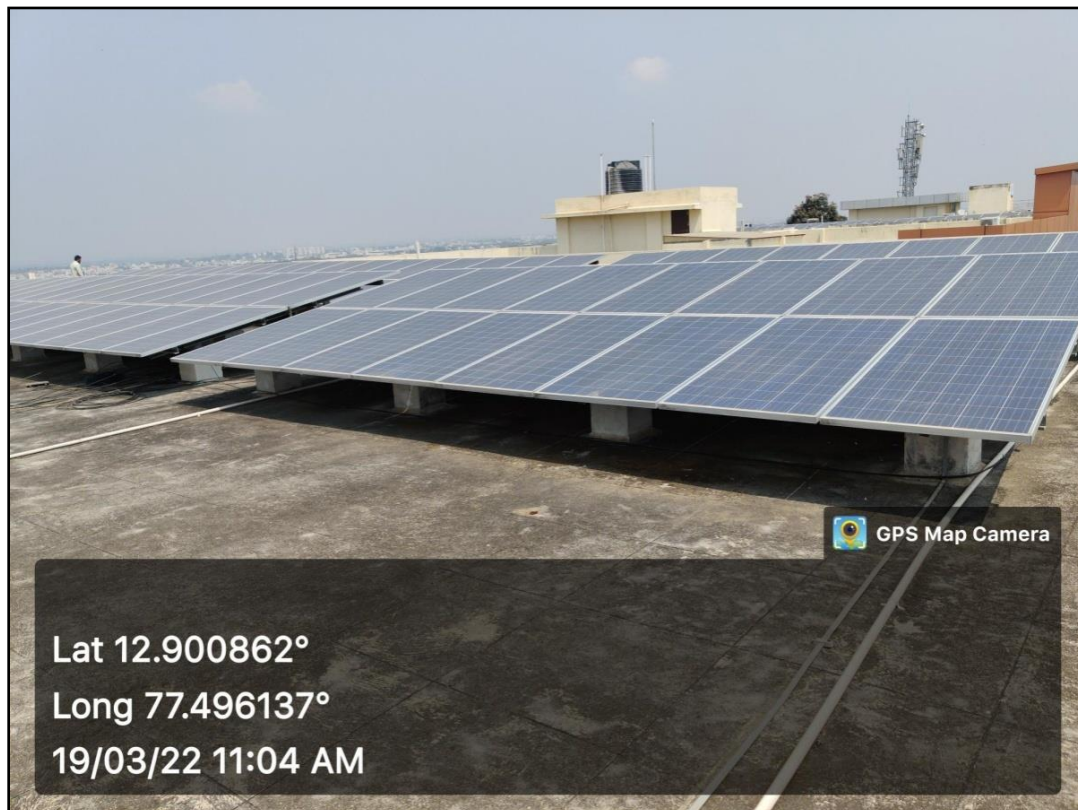
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## ENERGY CONSERVATION

### Solar Energy

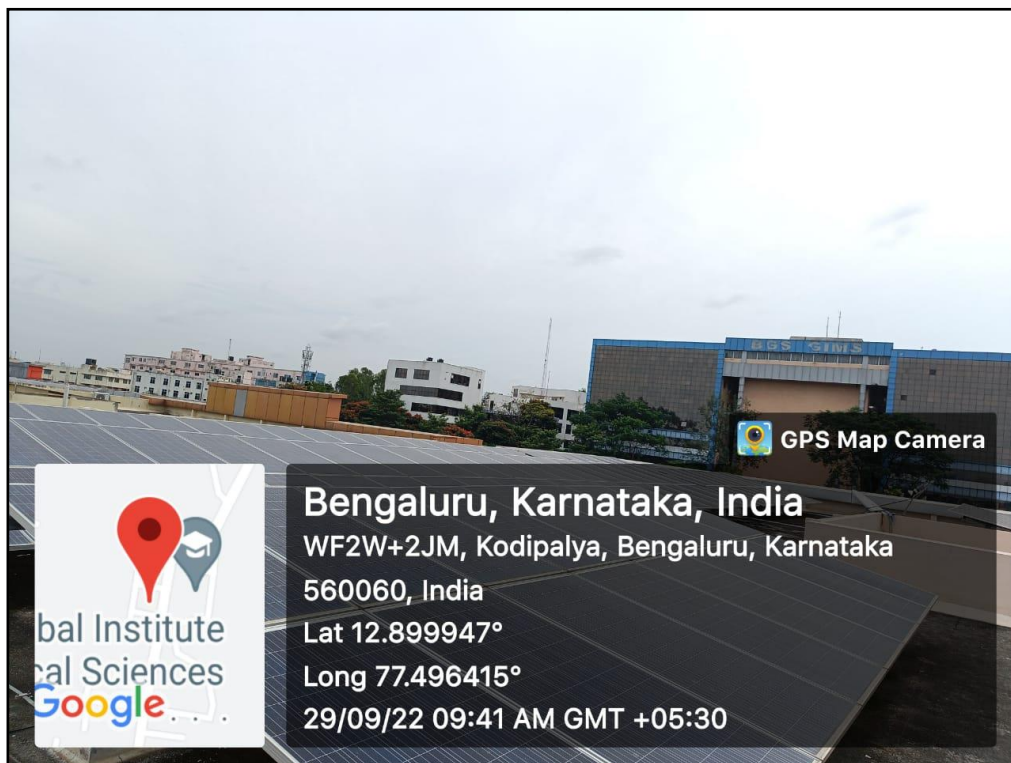
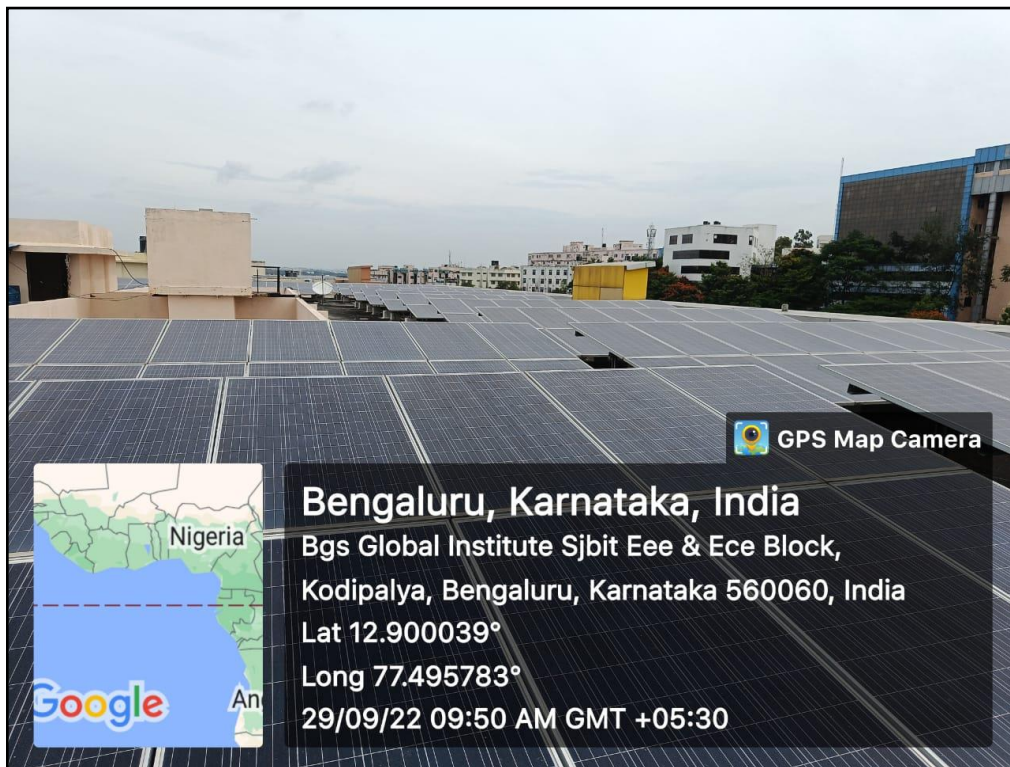
SJB Institute of Technology is takes effective steps on harnessing solar energy in accordance with Ministry of New and Renewable energy (MNRE), Govt of India to promote the aim to develop and deploy new and Renewable energy for supplementing the energy of the country , by implementing solar PV power 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



Lat 12.900862°  
Long 77.496137°  
19/03/22 11:04 AM

## Solar Panel Installed on SJBIT Roof top



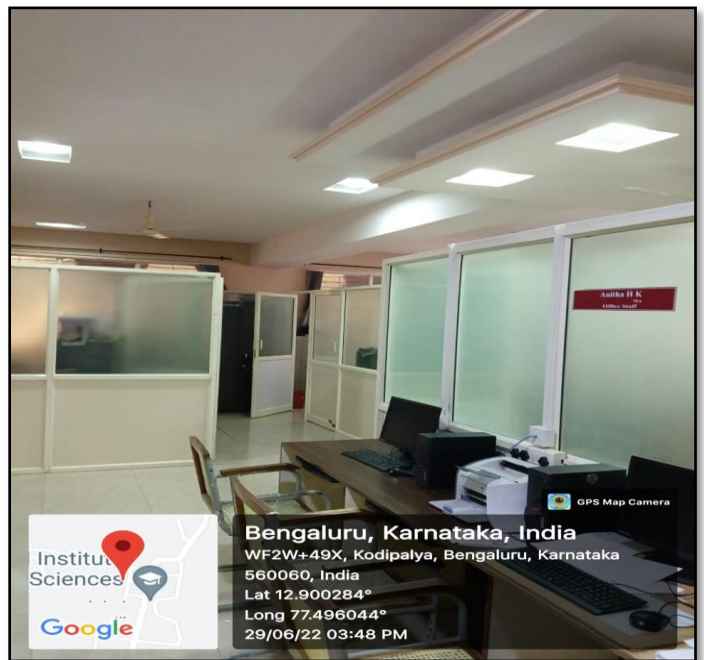
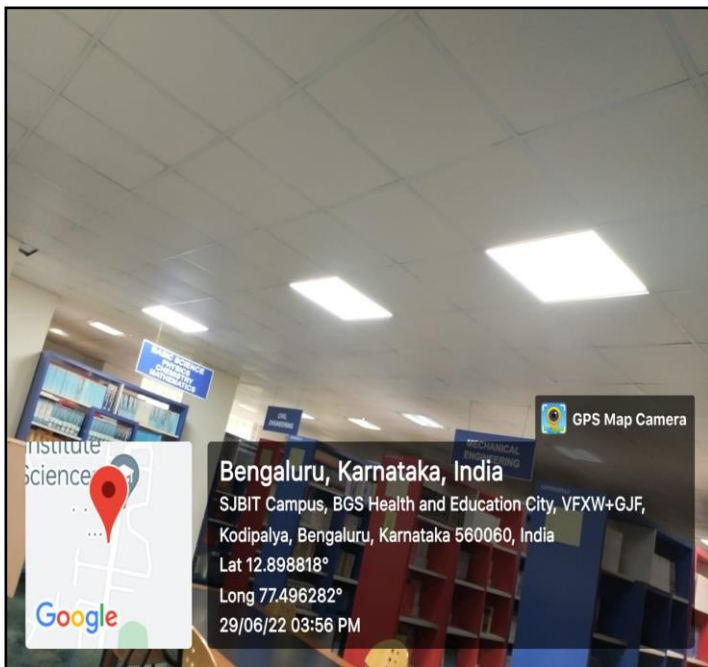
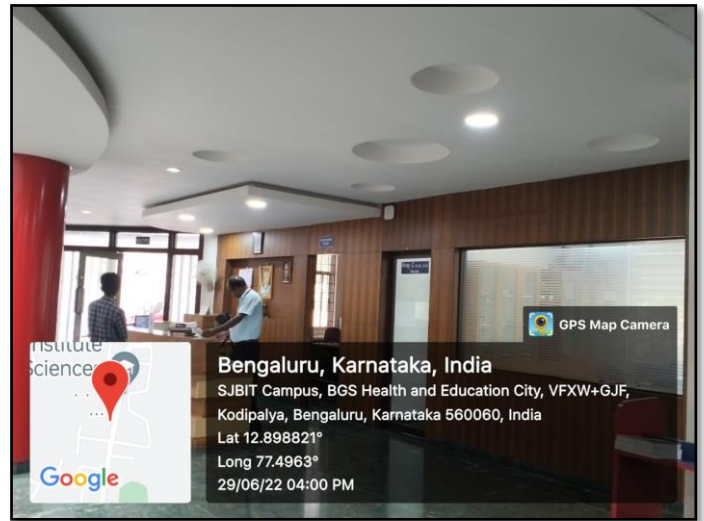
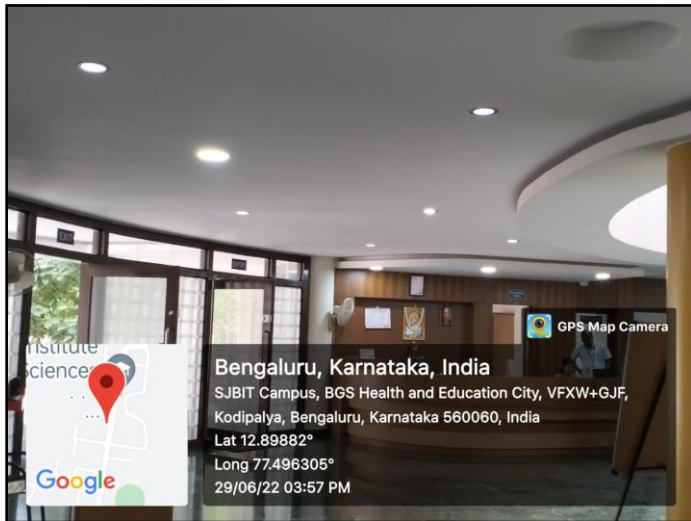
**Solar net metering installed on SJBIT roof top**



## 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.

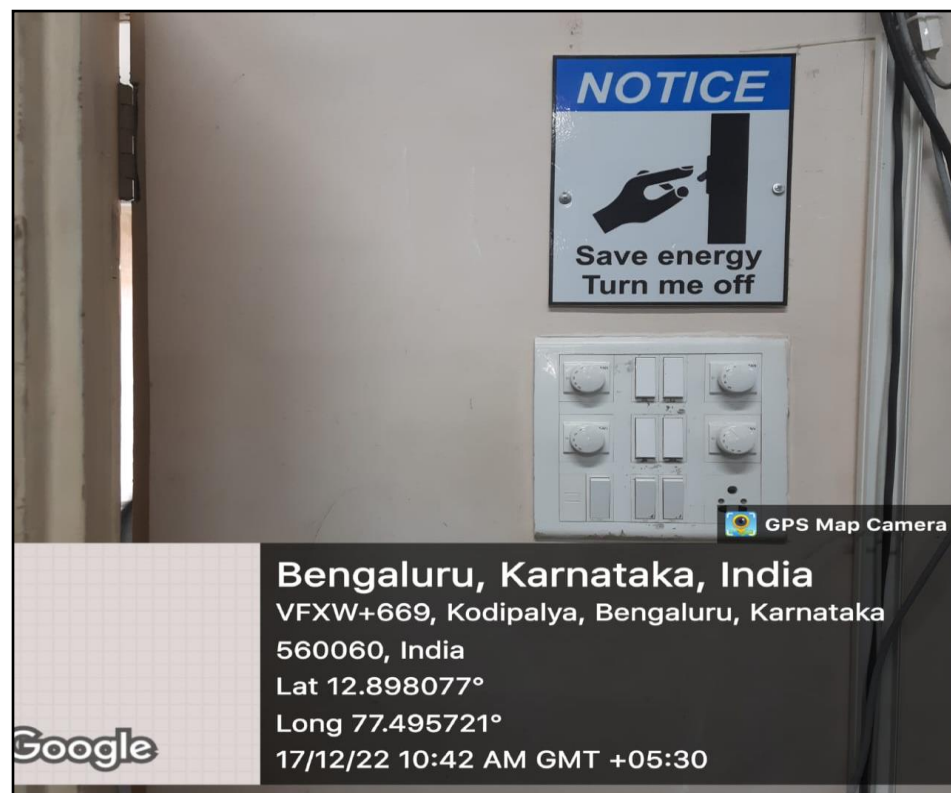
### LED lamps Usages in Library, Class Rooms, Staff Room and Seminar Hall

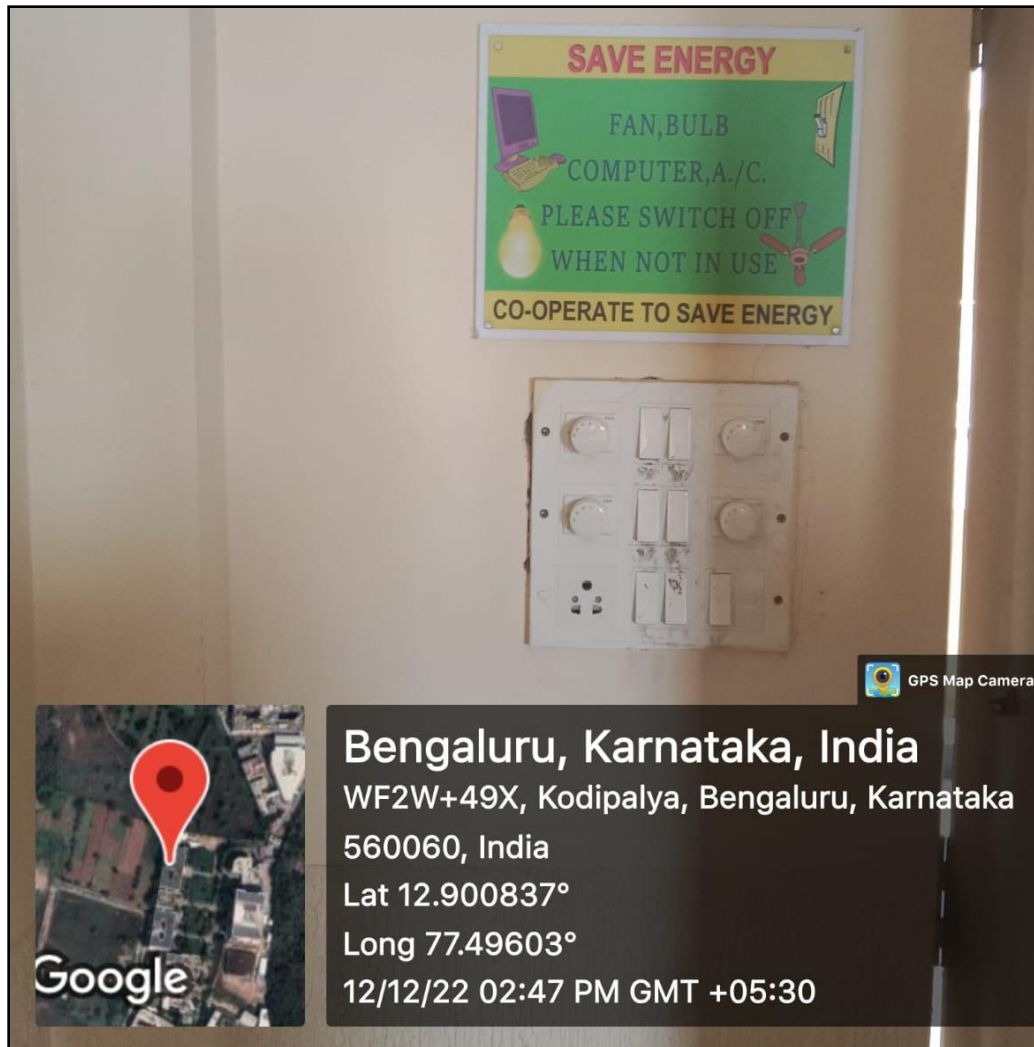


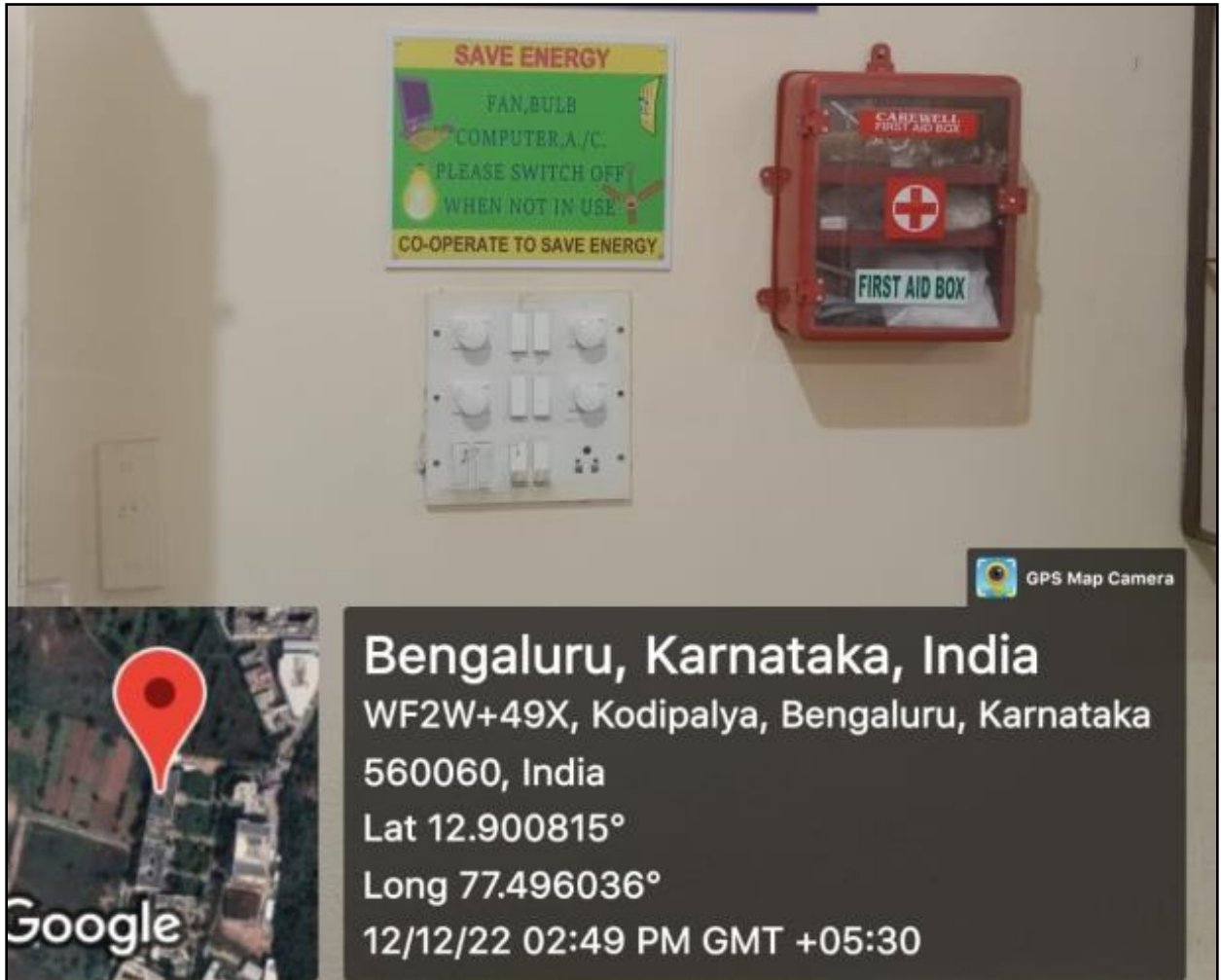


### Save energy: Awareness Signboard on Class rooms:

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







**Bengaluru, Karnataka, India**

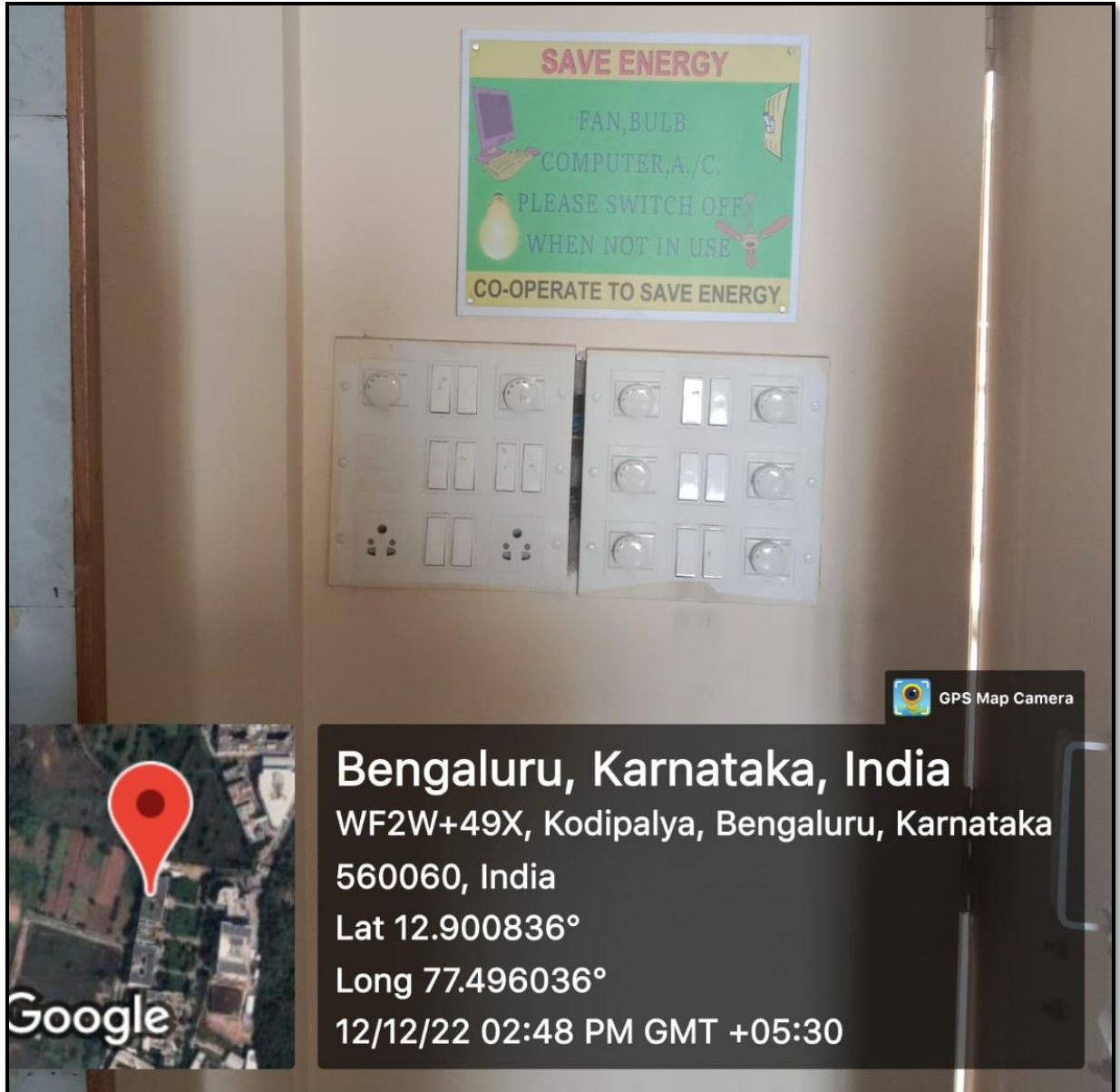
WF2W+49X, Kodipalya, Bengaluru, Karnataka

560060, India

Lat 12.900815°

Long 77.496036°

12/12/22 02:49 PM GMT +05:30

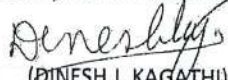


EXTRACT POINTS OF SOLAR AGREEMENT

Date of Agreement	: 24.07.2017
Rate fixed for Solar Power/Unit	: Rs.4.45/- per KWh <del>including tax</del> 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.



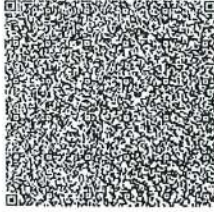
सत्यमेव जयते

## INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

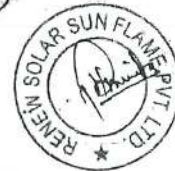
### e-Stamp

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 4<sup>th</sup> AUGUST 2017  
FOR CAPACITY 500 KW (±15%)



#### Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at [www.shellestamp.com](http://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 4<sup>th</sup> 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  
SJB Institute of Technology  
# 67, BGS Health & Education City,  
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:

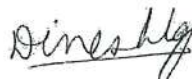
Name and Title: Mr Prabhat Kumar Mishra, Authorised Signatory  
On behalf of **ReNew Solar Sun Flame Private Limited**

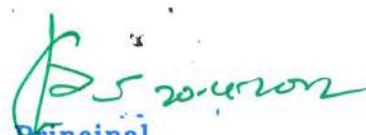
Signature:

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

In the presence of:

Witnesses: 1.   
KUMAR Sridhar ICL  
# 266, 2<sup>nd</sup> Cross, 9<sup>th</sup> Mn.  
Vijaya Nagar, Bangalore

2.   
DINESH J KACATHI  
67, ANURAGHA, 10<sup>th</sup> 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
<b>Solar Charges</b>	For SJB Institute of Technology		<b>2,33,868.86</b>
Electricity Duty			0
GST @0%			0.00
<b>Total Charges</b>			<b>2,33,868.86</b>

### 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

*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.

## 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

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'

*18/04/2022*  
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'

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

ಬೆಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಶಿಕ್ಷಣ ಮತ್ತು ಸಂಶೋಧನಾ ವಿಭಾಗ

K-1, Sub-Division / Sub-Division

ಮಾಹಿತಿ: ಸರ್ಟಿಫೈಡ್ ಮತ್ತು ಅನುಮೋದಿತ ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ/ವಿದ್ಯುತ್ ಉಪಯೋಗ

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

1	ಅರ್ಜಿದಾರರ ಹೆಸರು / RRNO	W7HT9	21	ಖರೀದಿ ದರ / Cost of Purchase	ಅನುಮೋದಿತ / Without Subsidy	ಅನುಮೋದಿತ / With Subsidy
2	ಅರ್ಜಿದಾರರ ವಿಳಾಸ / Account ID / Connection ID	3402068000			5.67	0.00
3	ಅರ್ಜಿದಾರರ ಹೆಸರು ಮತ್ತು ವಿಳಾಸ / Name and Address: SRI ADICHUNCHUNAGIRI, EDUCATIONAL INSTITUTION, PVT		22	whether the consumer has availed MNRE subsidy (Yes or No)	NO	
4	ಮೀಟರ್ ಓದಿಕೊಳ್ಳುವ ಸಂಖ್ಯೆ / Meter-Reader Code	MR-14011000	23	ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Gross Amount payable to Consumer (18 X 21 A or B)	0	
5	ಬರಾಬರ / Tariff	HT2C	24	ಗ್ರಾಹಕರು ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ / To be paid by Consumer		
6a	ಮಾನ್ಯೀಕರಿಸಿದ ವಿದ್ಯುತ್ ಸಾಮರ್ಥ್ಯ / Sanctioned Load in kW	250 KVA	A	ನಿಗದಿತ/ದೇಶೀಕರಿಸಿದ / Fixed/Demand Charges (KW X Unit Rate)	KVA	ಬೃಹದಾಚಾರ/ಮಾನ್ಯೀಕರಿಸಿದ / BBMP/CMC/ULB 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	ಮೀಟರ್ ಓದಿದ ದಿನಾಂಕ / Reading Date	01-05-2022	i	Slab1	213	265.00
9	ಬಿ-ದಿಶ್ಯಾನ್ಶಲ್ ಮೀಟರ್ ಸಂಖ್ಯೆ / Bi-Directional Meter SI No	1853037	ii	Slab2	0	0.00
10	ವಿದ್ಯುತ್ ಹರಿತ / Energy Recorded	(A) ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Energy Import	(B) ವಿದ್ಯುತ್ ಮಾರಾಟ / Energy Export	24A	Total Fixed charges(i+ii)	
11	ಪ್ರಸ್ತುತ ಓದಿಕೊಳ್ಳುವ / Present Reading	602.60	391.93	24B	MD Penalty Charges [( MD Recorded - Sanctioned load) X Rate]	
12	ಪೂರ್ವ ಓದಿಕೊಳ್ಳುವ / Previous Reading	588.04	385.16	C	ವಿದ್ಯುತ್ ಶುಲ್ಕ / Energy Charges (Units X Rate)	
13	ವ್ಯತ್ಯಾಸ / Difference (11-12)	14.56	6.77	i	Slab1	9737.5
14	ಮೀಟರ್ ಸ್ಥಿರಾಂಕ / Meter Constant	1250	1250	ii	Slab2	0
15	ಒಟ್ಟು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Total Energy Import / Export (13X 14)	18200	8462.5	iii	Slab3	0
16	ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Import (Consumption) / Export :	9737.5	0	iv	Slab4	0
17	(15A - 15B = ಒಟ್ಟು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Consumption) = ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ / Payable by Consumer	Not required		24C	Total Energy charges(i+ii+iii+iv)	
18	(15B - 15A = ಒಟ್ಟು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Net Export) = ಪರಿಣಾಮ ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ / ಪರಿಣಾಮ ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ			24D	ಶೇರಿ / Tax (ii, 9% on 23C)	
19	ರೇಕಾರ್ಡ್ ಮಾಡಿದ / Recorded MD	0.0767		24E	ರೇಬಾಟ್, ಉ.ಲ. ಶುಲ್ಕ / Rebates, TOD Charges, /FAC/others	
20	ಪವರ್ ಫ್ಯಾಕ್ಟರ್ / Power Factor	0.961		24F	ಪವರ್ ಫ್ಯಾಕ್ಟರ್ ದರ ಶುಲ್ಕ / Power Factor Penalty/TDS ON IOD	
ಮಾಹಿತಿ: ಸರ್ಟಿಫೈಡ್ ಮೀಟರ್ / SRTPV Meter Details:				24G	ಮಾ / Arrears/ interest on Revenue and Tax/FAC/COURT CASE ARREARS	
21	ಸರ್ಟಿಫೈಡ್ ಮೀಟರ್ ಸಂಖ್ಯೆ / SRTPV Meter SI No	18053041		24H	ಮಾ / Adjustments/Round off adj/ISD & MSD INTEREST	
22	ಪ್ರಸ್ತುತ ಓದಿಕೊಳ್ಳುವ / Present Reading	14209		25	ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid by Consumer (24A+24B+24C+24D+24E+24F+24G-24H)	
23	ಪೂರ್ವ ಓದಿಕೊಳ್ಳುವ / Previous Reading	13859		26	ಪರಿಣಾಮ ಗ್ರಾಹಕನು ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid to by BESCOM	
24	ವ್ಯತ್ಯಾಸ / Difference (2 - 3)	350		27	ಪಾವತಿಸಬೇಕಾದ ದಿನಾಂಕ / Due Date for Payment	
25	ಮೀಟರ್ ಸ್ಥಿರಾಂಕ / Meter Constant	80		28	Signature of the Meter Reader	
26	ಬಿಲ್ಡಿಂಗ್ ಅವಧಿ / Billing Period	28000			Principal SJB Institute of Technology # 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060.	

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

ಬೆಂಗಳೂರು ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿಗಮ

K-1.ಸಬ-ವಿಭಾಗ / Sub-Division

ಮಾಹಿತಿ: ಸರಬರಾಜು ಮತ್ತು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ/ವಿದ್ಯುತ್ ಉಪಯೋಗ

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

1	ಆರ್.ಎಂ.ಎಸ್. / RENO	W7HT120	21	ಖರೀದಿ ದರ / Cost of Purchase	ಅನುಬಂಧಿತ / Without Subsidy	ಅನುಬಂಧಿತ / With Subsidy
2	ಅಕೌಂಟ್ ID / Connection ID	2316068000			5.67	0.00
3	ಹೆಸರು ಮತ್ತು ವಿಳಾಸ / Name and Address: THE PRESIDENT, ADICHUNCHANAGIRI SHIKSHANA TRUST-22		22	whether the consumer has availed MNRE subsidy (Yes or No)		NO
4	ಮೀಟರ್ ಓದಿನ ಸಂಖ್ಯೆ / Meter-Reader Code	MR-14011000	23	ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Gross Amount payable to Consumer (18 X 21 A or B)		0
5	ತರಬೇತಿ / Tariff	HT2C	24	ಗ್ರಾಹಕರು ಪಾವತಿಸಬೇಕಾದ ಮೊತ್ತ / To be paid by Consumer		
6a	ಪ್ರಮಾಣೀಕರಿಸಿದ ವಿದ್ಯುತ್ ಲೋಡ್ / Sanctioned Load in kW	250 KVA	A	ಅಗಾಧ/ಪ್ರಾರ್ಥಿಸಿದ ಸಾಮರ್ಥ್ಯ/Demand Charges (kW X Unit Rate)	KVA	ಊರು ಪಂಚಾಯತ್ / Village Panchayath in Rs.
6b	Solar installed capacity in kW	211.2 KWP				Charges
7	ಬಿಲ್ಯಿಂಗ್ ಅವಧಿ / Billing Period	01-04-2022 30-04-2022			YES	
8	ಮೀಟರ್ ಓದಿನ ದಿನಾಂಕ / Reading Date	01-05-2022	i	Slab1	250	265.00
9	ಬಿ-ದಿಕ್ಕಿನ ಮೀಟರ್ ಸಂಖ್ಯೆ / Bi-Directional Meter SI No	18053042	ii	Slab2	0	0.00
10	ವಿದ್ಯುತ್ ಉಮೇಶ್ವರ / Energy Recorded	(A) ವಿದ್ಯುತ್ ಉಮೇಶ್ವರ / Energy Import	(B) ವಿದ್ಯುತ್ ಮೊತ್ತ / Energy Export	24A	Total Fixed charges(i+ii)	
11	ಪ್ರಸ್ತುತ ಓದಿನ / Present Reading	1778.65	150.09	24B	MD Penalty Charges [(MD Recorded - Sanctioned load) X Rate]	
12	ಪೂರ್ವ ಓದಿನ / Previous Reading	1718.43	149.45	C	ವಿದ್ಯುತ್ ಶೇಖರಣೆ / Energy Charges [Units X Rate]	
13	ವ್ಯತ್ಯಾಸ / Difference [ 11-12 ]	60.22	0.64	i	Slab1	74475.0
14	ಮೀಟರ್ ಸ್ಥಿರಾಂಕ / Meter Constant	1250	1250	ii	Slab2	0.0
15	ಒಟ್ಟು ವಿದ್ಯುತ್ ಉಮೇಶ್ವರ / ಮೊತ್ತ / Total Energy Import / Export [ 13X 14 ]	75275	800	iii	Slab3	0
16	ವಿದ್ಯುತ್ ಉಮೇಶ್ವರ / Net Import (Consumption) / Export :	74475	0	iv	Slab4	0
17	( 15A - 15B = ಉಮೇಶ್ವರ / Net Consumption ) = ಗ್ರಾಹಕರಿಗೆ ಪಾವತಿಸಬೇಕಾದ / Payable by Consumer			24C	Total Energy charges(i+ii+iii+iv)	
18	( 15B - 15A = ಉಮೇಶ್ವರ / Net Export ) = ಪಾವತಿಸಬೇಕಾದ / Payable by Consumer			24D	ಶೇಖರಣೆ / Tax @ 9% on 23C	
19	ಉಮೇಶ್ವರ / Recorded MD	0.3188		24E	ರಿಯೇಟ್, ಉಪವಿಳಾಸ / Rebates, TOD Charges/FAC	
20	ಶಕ್ತಿ ಗುಣಕ / Power Factor	0.884		24F	ಶಕ್ತಿ ಗುಣಕ ದರ / Power Factor Penalty/MD Penalty	
ವಿದ್ಯುತ್ ಮೀಟರ್ ವಿವರ / SRTPV Meter Details:				24G	ಆದಾಯ / Arrears/ interest on Revenue and Tax/TDS ON IOD	
a	ವಿದ್ಯುತ್ ಮೀಟರ್ ಸಂಖ್ಯೆ / SRTPV Meter SI No	18053046		24H	ಕರೆಡ್, ಸರಿಯಾಚೆ / Credits, Adjustments/Round off adj/ISD & MSD INTEREST	
b	ಪ್ರಸ್ತುತ ಓದಿನ / Present Reading	13720		25	ಗ್ರಾಹಕರು ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid by Consumer (24A+24B+24C+24D+24E+24F+24G-24H)	
c	ಪೂರ್ವ ಓದಿನ / Previous Reading	12406.8		28	ಪಾವತಿಸಬೇಕಾದ ಒಟ್ಟು ಮೊತ್ತ / Net Amount to be paid to by BESCOM	
d	ವ್ಯತ್ಯಾಸ / Difference [ 2 - 3 ]	3113.2		29	ಪಾವತಿಸಬೇಕಾದ ದಿನಾಂಕ / Due Date for Payment	
e	ಮೀಟರ್ ಸ್ಥಿರಾಂಕ / Meter Constant	60				
f	ಒಟ್ಟು ವಿದ್ಯುತ್ ಉತ್ಪಾದನೆ / Total Energy Generated (4X5)	18792			Signature of the Meter Reader	

Senior Asst / AAO  
K1-Sub Division.Bescom, KengeriPrincipal  
SJB Institute of Technology  
# 67, BGS Health & Education City  
Dr. Vishnuvardhan R. 22  
Asst Executive Engineer (EI),  
K1-Sub Division.Bescom, Kengeri.  
Kengeri, Bengaluru - 560 060.

# **Energy Audit Report**

## **(Extraction from Green Audit report)**

# VANALOK

environmental sustainability

4<sup>th</sup> Floor, Vanavikas, 18th Cross Malleshwaram,  
Bengaluru-560003, vanalok@gmail.com  
+91 9591100551 / 9449285226

1<sup>st</sup> 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



Vanalok Private Ltd

Green Audit conducted By

Anisha

Anisha Udaykumar

21 / IN / 1022348 / 6032

Dr.  
Principal

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

Vanalok Pvt Ltd is an eco-enterprise registered at Bengaluru

## 4.2 Energy Management:

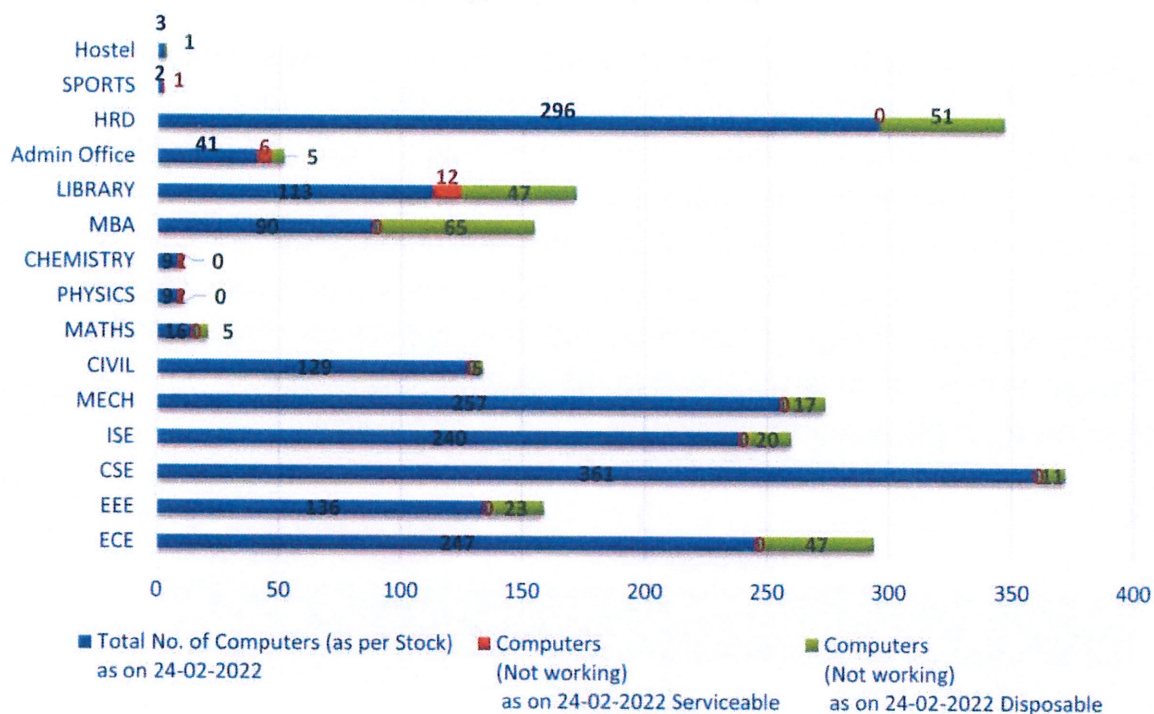
Energy conservation is an important component of campus sustainability, as it is linked to the institution's carbon footprint. Energy auditing primarily is associated with energy conservation and techniques for reducing consumption that contributes to environmental degradation. As a result, any environmentally 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.

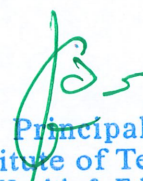


*Figure 1: Good Environmental Practices for Sustainable Development.*

## 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.

  
Principal  
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Kengeri, Bengaluru - 560 060.

## **Environmental consciousness and sustainability and Divyangjan friendly initiatives**

### **7.1.2 The institution has facilities and initiatives for**

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



||Jai Sri Gurudev||

Sri Adichunchanagiri Shikshana 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

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### **Management of the various types of degradable and non-degradable waste**

Commitment to sustainability of green environment is expressed in SJBIT campus in many ways. To reduce the negative impact of Environment College has taken steps like conducting Green Audit every year. This strives in keeping the Eco –friendly atmosphere in the campus. The Green Audit is helping in upgrade the environment condition in and around the campus. It is carried out by performing tasks like Solid waste management, Energy conversation and sewage treatment plant to turn in to a better environmental friendly Institute.

The college takes initiatives on following aspects such as

1. Solid waste management
2. Liquid waste management
3. Bio medical waste management
4. E-Waste management

The approaches deployed in the institute on waste management are

#### **Solid Waste Management**

The solid waste management is an area which has drawn attention in the urban areas. In this context a project was conceptualized with minimal investment. The model developed helps in evaluating the amount of food waste which could be converted for generation of biogas and the remaining will be sent for pig feed.



Fig: Representation of digester after increasing the food waste concentration

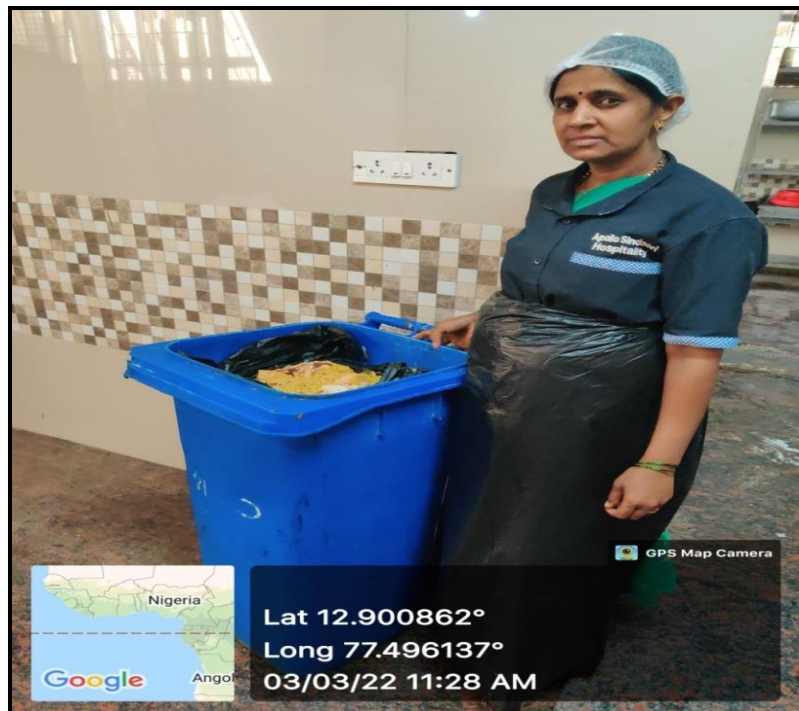
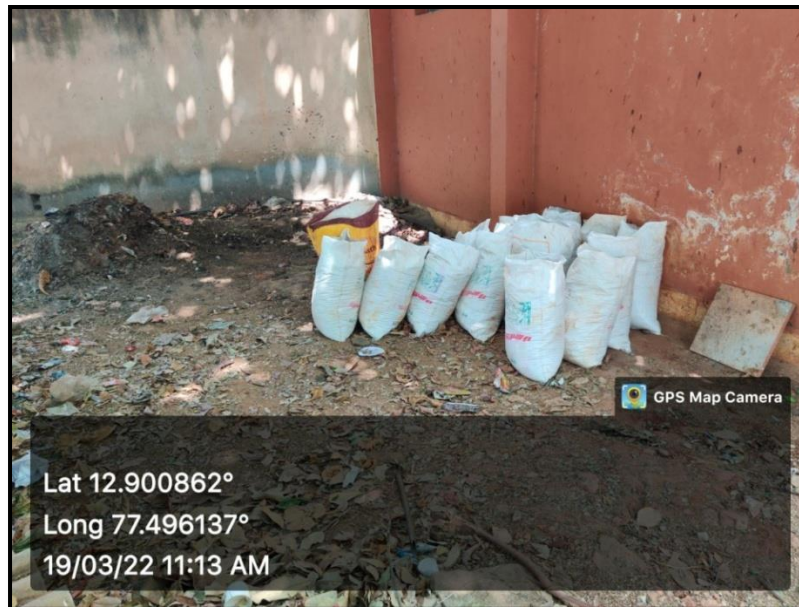


Fig: Collection of waste produced in campus

## Liquid waste management

The waste-water generated from various sources in the college are managed efficiently through the waste-water treatment plant installed in the campus. The capacity of the treatment plant is 550KLD. The plant has primary, secondary and tertiary units to purify the wastewater. The treated water is tested in the laboratory to ensure for the quality. The treated water is used for the plants and gardening.



Fig: Waste Water treatment plant

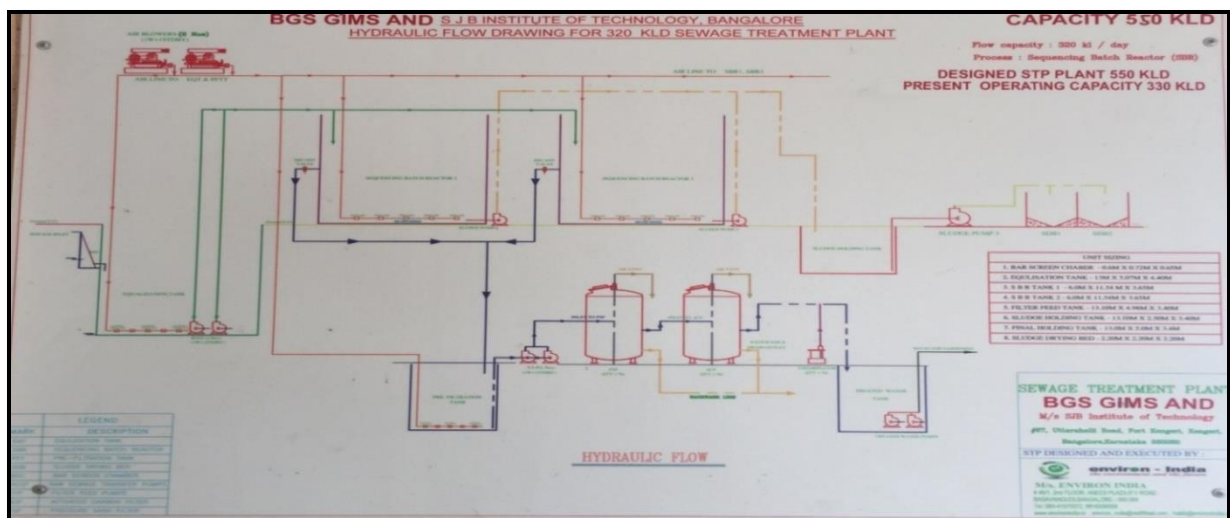


Fig: Flow draw of Sewage Treatment Plant

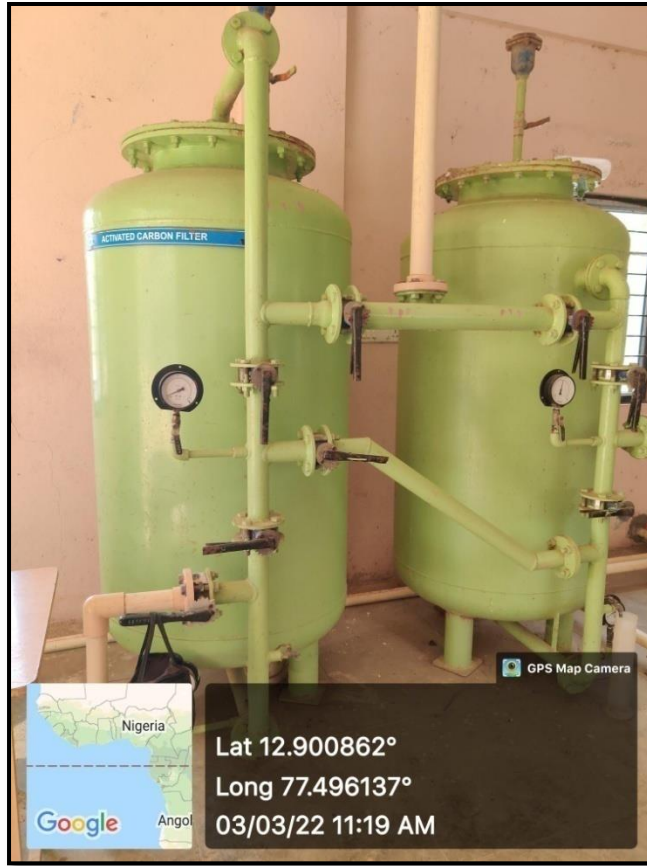


Fig: Sewage Treatment Plant Unit

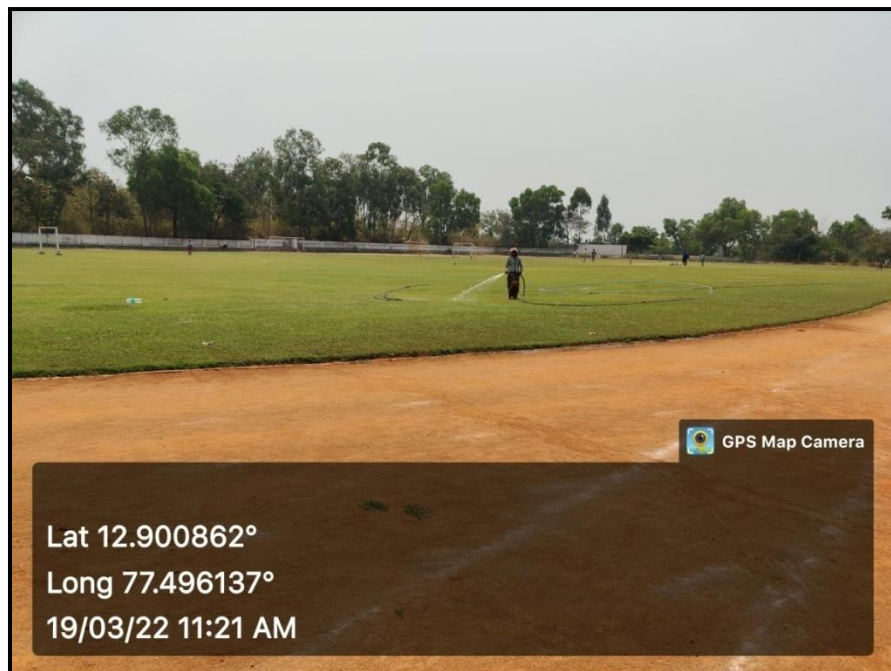


Fig: Treated water for gardening

The rain water collected from the catchment areas of the campus are effectively made use by sending partially to the treatment plant. There by diluting the wastewater helps in reducing the load on the treatment plant. The remaining water is allowed to the abandoned boreholes in recharging the ground water table.

### **Bio-Medical Waste Management**

The quantity of waste originated from the institution is very minimal. Hence this waste is out sourced to collect with the hospital waste.

### **E Waste management**

The E waste management consisting of obsolete computers and other waste generated from the electronic equipment are auctioned to the authorized dealers in E-waste. These materials are removed and disposed as per norms. The institution encourages extensive use of E-communication for paperless environment.

### **Waste recycling system**

The campus houses number of trees helping in creating the green environment by reducing the carbon dioxide production. The building construction was done without uprooting trees. The withered leaves of these trees have been made use in preparing the compost. For aerobic decomposition of the waste, tanks have been built at various places. The different sizes of the tank mobilize compost amounting to 100kgs.

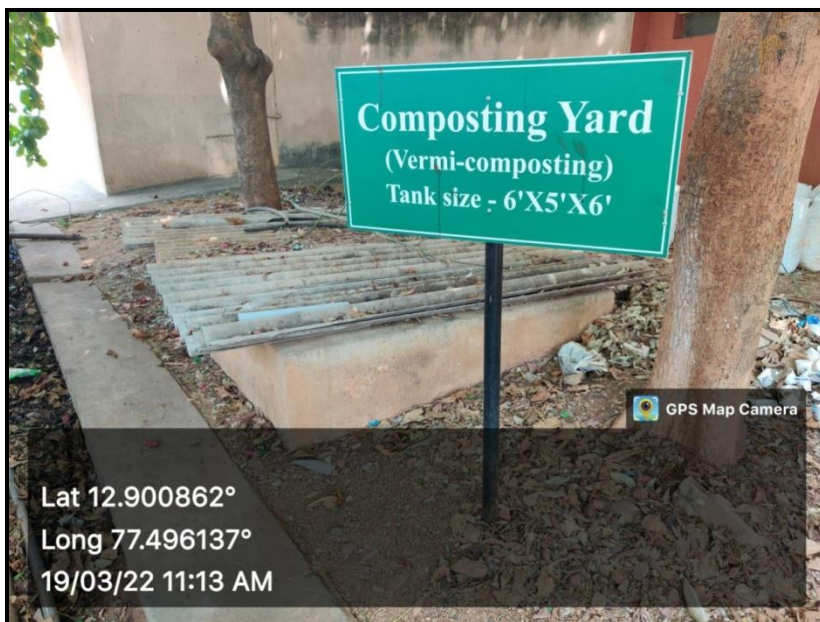


Fig: Composting yard in the campus

## Hazardous chemicals and radioactive waste management

The chemical waste generated in the campus are properly collected and disposed by the specified agency. There is no radio-active waste generated in the institution.

## Sanitary Napkin Vending and Disposal Machine

Availability of quality Sanitary Napkins through Sanitary Napkin Vending machines and ensuring safe and environment friendly disposal of use sanitary Napkins in girl's hostel

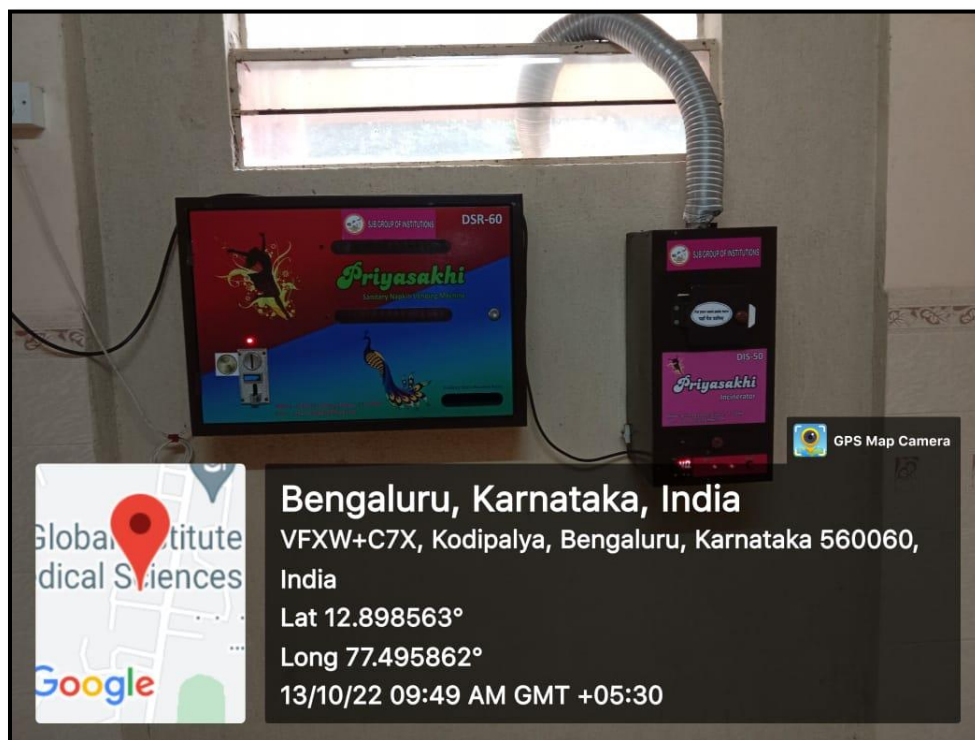


Fig: Sanitary Napkin Vending and Disposal Machine

Original



ENVIRON INDIA

#49/1, 2nd floor, Anees Plaza, R V Road, Basavangudi, Bangalore - 560004

Ph: 9916506558 / 080-41570072 / 080-41699599 / habib@environindia.in / www.environindia.in

<b>Bill To :</b>	<b>Date:</b>	07.06.2022
M/s. SJB Institute of Technology,	<b>Invoice no #</b>	GST/2022-23/0071
No. 67, BGS Health & Education City,	<b>Invoice Type</b>	SERVICES
Uttarahalli Road, Kengeri	<b>Reverse Charge (Y/N):</b>	No
Bengaluru, Karnataka 560060		

<b>Ship To :</b>	M/s. SJB Institute of Technology,
	No. 67, BGS Health & Education City, Uttarahalli Road, Kengeri, Bengaluru, Karnataka 560060

Sl. No.	Description	HSN Code	Qty (Nos.)	Unit Cost in INR	Amount in INR
1	Comprehensive annual Operation & Maintenance of sewage treatment plant of capacity 330 KLD for the Month of May 2022	9994	1	60,000.00	60,000

For SJB Institute of Technology

Managing Director

**ENVIRON INDIA**  
# 49/1, 2nd Floor, Anees Plaza,  
R.V. Road, Basavanagudi,  
BENGALURU - 560 004.  
Ph.: 080-41570072, Fax: 080-41699599

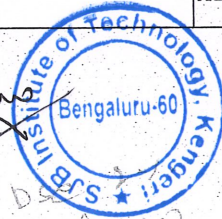
Tax Description		
CGST	9%	5,400
SGST	9%	5,400
Grand Total		70,800

Rupees Seventy thousand and Eight hundred only

Payment Terms		Monthly billing		
GSTIN No.	29AMJPM5495J1Z9		Bank Account Details	
PAN No.	AMJPM5495J		Beneficiary	ENVIRON INDIA
<div>For SJB Institute of Technology</div> <div>Principal</div> <div>16.6.2022</div>			Name of the Bank	CANARA BANK
			A/C No.	04751010000117
			IFSC Code	CNRB0010475
			MICR Code	560015326
			Address	Vijaya College campus, R V ROAD, BASVANGUDI BANGALORE-560004

FOR ENVIRON INDIA

Authorized Signatory



Principal  
SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

Now STP Amc service charged month of May

Sub  
15/06/2022  
11/06/2022

## TEST REPORT

Name & Address of the Customer

: M/s. SJB Institute Of Technology,  
No.67, Uttarahalli Main Road, Kengeri,  
BGS Health & Education City,  
Bengaluru - 560060

Date of Sample Collection

: 12/05/2022

Particulars of sample

: STP Treated Water

Sample Qty: 2 Liters, Sampling Type: Grab,  
Sampling Point: STP Treated Water Tank

Date of sample Receipt

: 12/05/2022

Sample ID/ Code

: NALRC/2022/05/WW/200

Date of Analysis Started

: 12/05/2022

Date of Completion

: 18/05/2022

Report No

: NALRC/2022/05/348

Report Date

: 18/05/2022

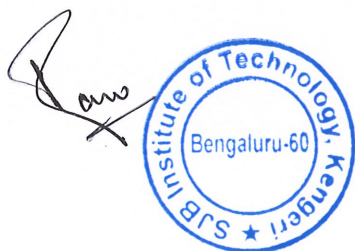
Page No

: 1/2

Description: - Colorless liquid having unobjectionable odor.

SI No	Parameters	Unit	Result	Standards as per KSPCB	Test Method
1	pH Value @ 25°C	---	7.8	6.5-8.5	IS 3025(P-11) 2022
2	Total Suspended Solids	mg/L	6.0	<10	IS 3025(P-17) 1984 (RA-2017)
3	Bio-Chemical Oxygen Demand (5days @ 20°C)	mg/L	4.2	<10	APHA 23rd Edition 5210 BOD B
4	Chemical Oxygen Demand	mg/L	18.0	<50	IS 3025(P-58) 2006 (RA-2017)
5	Ammonical Nitrogen as N	mg/L	1.7	<5	IS 3025(P-34) 1988 (RA-2019)
6	Total Nitrogen as N	mg/L	4.3	<10	IS 3025(P-34) 1988 (RA-2019)

\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

*[Signature]*  
Analyzed By

*[Signature]*  
Authorized Signatory

Note 1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 3. This report is not to be reproduced either wholly or in part and can not be used as evidence in the court of law and should not be used in an advertising media without prior written permission. 4. Laboratory is not responsible for the authenticity of photocopied test reports. 5. Sampling not done by us, unless specified

NALRC/FF/61/A

## TEST REPORT

Name & Address of the Customer

: M/s. SJB Institute Of Technology,  
No.67, Uttarahalli Main Road, Kengeri,  
BGS Health & Education City,  
Bengaluru - 560060

Date of Sample Collection

: 12/05/2022

Particulars of sample

: STP Treated Water

Sample Qty: 500ml, Sampling Type: Grab,

Sampling Point: STP Treated Water Tank

Date of sample Receipt

: 12/05/2022

Sample ID/ Code

: NALRC/2022/05/WW/200

Date of Analysis Started

: 12/05/2022

Date of Completion

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Report No

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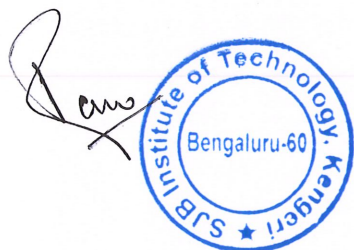
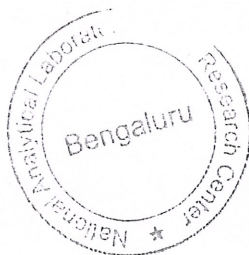
Page No

: 2/2

Description: - Colorless liquid having unobjectionable odor.

SI No	Parameters	Unit	Result	Standards as per KSPCB	Test Method
1	Faecal Coliform	MPN/100ml	25.0	<100	APHA 23 <sup>rd</sup> Edition

\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

*[Signature]*  
Analyzed By

*[Signature]*  
Authorized Signator

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Name & Address of the Customer

: M/s. SJB Institute Of Technology,  
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BGS Health & Education City,  
Bengaluru - 560060

Date of Sample Collection

: 12/05/2022

Particulars of sample

: STP Treated Water

Sample Qty: 2 Liters, Sampling Type: Grab,

Sampling Point: STP Treated Water Tank

Date of sample Receipt

: 12/05/2022

Sample ID/ Code

: NALRC/2022/05/WW/200

Date of Analysis Started

: 12/05/2022

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\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

*[Signature]*  
Analyzed By

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NALRC/FF/61/A0

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Date of Sample Collection

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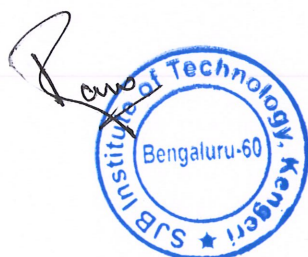
Page No

: 2/2

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\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
**Principal**

**SJB Institute of Technology**  
**BGS Health & Education City**  
**No. 67, Uttarahalli Road, Kengeri**  
**Bangalore South - 560 060**

*[Signature]*  
**Analyzed By**

*[Signature]*  
**Authorized Signatory**

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NALRC/FF/61/A0



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust<sup>®</sup>

# SJB Institute of Technology

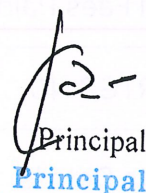


(A Constituent of BGS & SJB Group of Institutions and Hospitals)

BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru-560060

**Waste management and environment improvement measures to ensure a sustainable Green Campus.**

Sl.no	Environment improvement parameters	Quantity treated	Purpose
1	Waste water treatment plant	550MLD	Reused for maintaining Greeneries
2	Compost from withered leaves	9.5cubic.meters /six months	Used for Gardening purpose
3	Food waste	230kg/day	Some amount is used for bio-digestion & remaining goes to Piggeries,
4	Total number of trees	360 trees of 20 varieties of spices	70,0840 pounds of Oxygen produced &32,0850 pounds of carbon dioxide obsorbed.

  
Principal

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

# **Waste Management Report**

## **(Extraction from Green Audit report)**

**Green Audit Report**  
**(Extraction of Waste Management Report)**

# VANALOK

environmental sustainability

4<sup>th</sup> Floor, Vanavikas, 18th Cross Malleshwaram,  
Bengaluru-560003, vanalok@gmail.com  
+91 9591100551 / 9449285226

1<sup>st</sup> 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



Vanalok Private Ltd

Green Audit conducted By

Anisha

Anisha Udaykumar

21 / IN / 1022348 / 6032

Dr.  
Principal

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

Vanalok Pvt Ltd is an eco-enterprise registered at Bengaluru

### 4.3 Waste Management:

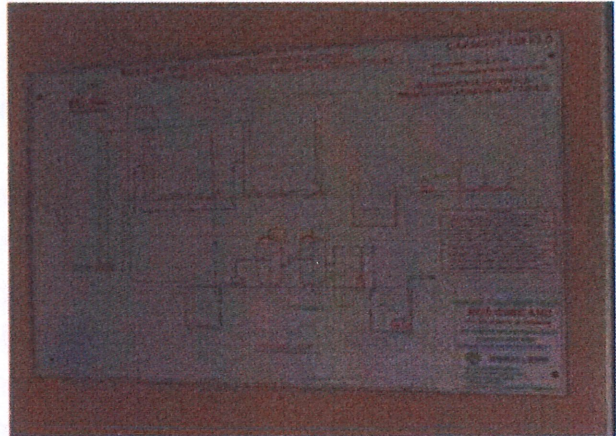
Solid waste can be categorized into three types namely: Biodegradable, Non-Biodegradable and Hazardous Waste. In an institutional setting, the only hazardous waste generated is E-waste and Sanitary Waste. Biodegradable or Wet waste is mainly leftover food components, canteen waste etc., while non-biodegradable includes recyclable waste like plastics, tin, bottles, papers etc. E-waste majorly contains harmful chemicals and metals that could cause harm to the handlers or even cause harmful gas emissions in case it is burnt in landfills. Such waste needs to be collected and given special treatment. Thus, minimization of solid waste is an essential win on the road to sustainability. This indicator addresses the waste collection and disposal mechanisms.

#### Observations:

The total waste collected on the campus is around 73 tons of wet waste and 7.3 tons of dry waste for the year 2020-21. Waste segregation seems to be taking place at the source itself. There were provisions for dustbins with clear demarcations for wet waste and dry waste in every place possible. All the segregated waste are sent to the respective vendors. Wet waste is sent to piggeries, dry waste to recycling units and E-Waste to the respective authorized vendors who would safely dispose of the waste components after extraction of required materials. The institution encourages extensive usage of E-communication thereby moving towards a paperless mode of communication.

The college has a fully functional STP (Sewage Treatment Plant) with a capacity of recycling up to 550 KLD in place that takes care of all the grey water recycling. It runs for 18 hours in a day. The water first passes through a collection tank with a bucket screen that screens solid waste initially. Following which the water is moved to an equalizer tank and then to an anaerobic digester used for treatment of wastewater. After the digestion of waste using microbes, the water is moved to an aeration tank that provides a constant supply of oxygen to allow the microorganisms to digest the organic waste. The water is then moved to a clarifier tank to allow the sludge to settle at the bottom. The recycled water is sent to filtration units to further process the water and then finally sent to the

collection tank. The recycled water is then utilized for gardening purposes. A thorough STP plant is necessary as the lab waste and other sewage needs to be thoroughly treated. The presence of this impeccable recycling option in the campus definitely shows that the opportunities for water utilization is fully explored.



**Recommendations:**

1. Having proper sanitary waste disposal mechanisms on site like an incinerator for safe disposal are a part of good environmental practices. Having sanitary pad vending machines could also benefit the students on campus.
2. Applying concepts of Reduce, Reuse, Recycle and Refurbish wherever possible could instil a green mentality in the campus.
3. Installing proper composting units in the form of pits to take care of wet waste in the premises itself could be beneficial to the institution. This could be done involving students and the compost could be used as nourishment for the trees and plants on the campus.
4. Training and campaigns in cotton bag making for students and staff will reduce the usage of throw away plastic carry bags.
5. Leaf litter from the campus can be effectively used for aerobic/vermicomposting so that the composted material can also be used as good manure.

## 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.

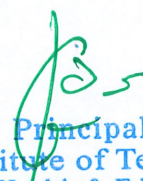


*Figure 1: Good Environmental Practices for Sustainable Development.*

## 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.

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

## **Environmental consciousness and sustainability and Divyangjan friendly initiatives**

### **7.1.2 The institution has facilities and initiatives for**

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



||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

---

## **Water Conservation Facilities Available in the Institution**

### **Waste Water Recycling:**

The waste water generated from various sources in the college are managed efficiently through the waste water treatment plant installed in the campus. The capacity of the treatment plant is 550KLD. The plant has primary, secondary and tertiary units to purify the wastewater. The treated water is tested in the laboratory to ensure for the quality. The treated water is used for the plants and gardening.



Fig: Waste Water treatment plant

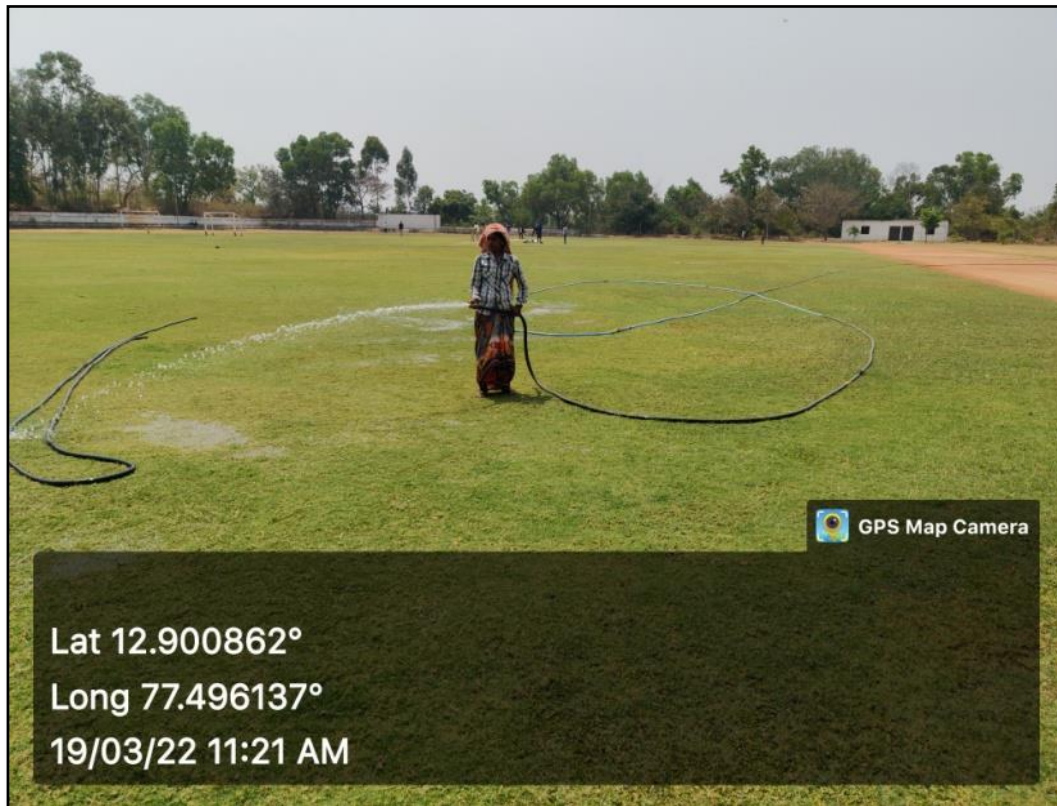


Fig: Waste Water Recycling for Cricket ground



Fig: Cascade Aeration

### **Save energy: Awareness Signboard on Class rooms:**

To create the water conservation among the students sign boards are installed



Fig: Awareness Board on Water Conservation



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust<sup>®</sup>

# SJB Institute of Technology

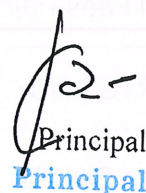


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BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru-560060

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Principal

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

**HYDRO CHEMTECH PRIVATE LIMITED**

NO,3618/26,3RD CROSS,(OLD 9TH CROSS) GAYATHRI NAGAR, BANGALORE -560021.

GSTIN : 29AAACH2975C1ZN

PAN No: AAACH2975C

Email Id : info@hydrochemtech.com

STATE : Karnataka [29]

ESIC No.:53-00-028308-000-1002

Phone No. : 08023326680, 08023133044,  
08023420546**TAX INVOICE****Billing Details (Bill To)**

Name : To, THE PRINCIPAL  
Address : SJB Institute Of Technology, Uittarahalli Main Road,  
Kengeri, Bangalore -560060  
State : Karnataka Code : 29  
Phone No :  
GSTIN : PAN :

**Shipping Details (Ship To)**

Name : To, THE PRINCIPAL  
Address : SJB Institute Of Technology, Uittarahalli Main Road,  
Kengeri, Bangalore -560060  
State : Karnataka Code : 29  
Phone No :  
GSTIN :

Invoice No. : BLR-781/21-22 Date : 04/10/2021  
PO No. : SJB/IT/ACCT/07/2019-20 Date : 10/04/2019  
DC No. :

**Remarks :**

Payment Terms : IMMEDIATE Reverse Charges : NO

Contact Person :

Despatched Thru :

Vehicle No : Freight :

Destination : Bangalore

e-Way Bill No. :

Bank Details : A/c Name: HYDRO CHEMTECH PRIVATE LIMITED  
A/c No : 0000 3400 1720 019 (CURRENT A/c)  
IFSC : DEUT0797BGL (BRANCH: M.G Road)

SI No	Item Description	HSN/SAC	Qty	Unit	Basic Rate	Disc. %	Net Amount	CGST + SGST		Total Amount
								Tax Per	Tax Amount	
1	Service Charges -towards Annual Service Contract (ASC) for RO system @ SJBIT BOYS HOSTEL ABOVE DINING for 2nd Half From October 2021 To March 2022	998717	1.00	Lump	11910.00	0.00	11910.00	18.00	2,143.80	14053.80
2	Service Charges -towards Annual Service Contract (ASC) for RO system @ CSC BLOCK for 2nd Half From October 2021 To March 2022	998717	1.00	Lump	11910.00	0.00	11910.00	18.00	2,143.80	14053.80
3	Service Charges -towards Annual Service Contract (ASC) for RO system @ SJBIT BOYS & GIRLS HOSTEL for 2nd Half From October 2021 To March 2022	998717	1.00	Lump	11910.00	0.00	11910.00	18.00	2,143.80	14053.80

Note: In the April 21 to September 21 ASC period, no visit made in May 21 due to covid lockdown and the amount has been deducted from our Inv.No.69 dated 12.04.2021

For SJB Institute of Technology  
Principal  
22/10/2021  
For SJB Institute of Technology  
Managing Director

Tot Qty : 3.00

TAXABLE AMT	CGST %	CGST AMT	SGST %	SGST AMT	IGST %	IGST AMT
35,730.00	9.00	3,215.70	9.00	3,215.70	0.00	0.00
Total	CGST	3,215.70	SGST	3,215.70	IGST	0.00

Total Amount	:	35,730.00
Discount Amount	:	0.00
Pre Tax	:	0.00
Taxable Amount	:	35,730.00
Post Tax	:	0.00
CGST Amt	:	3,215.70
SGST Amt	:	3,215.70
Cess Amount	:	0.00
Round Off Amount	:	-0.40
GRAND TOTAL ₹	:	42,161.00

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

**Amount in Words :**

Rupees Forty Two Thousand One Hundred Sixty One Only

Terms &amp; condition : 1. Goods once sold will not be taken back. Interest @ 21% per annum shall be charged for delayed payment.

BRANCH: MSR ARCADE, 3rd FLOOR, STREET NO.09, PATRIKANAGAR, HI-TECH CITY, HYDERABAD, TELANGANA 500081

Received the above items

No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 006

Signature of Receiving Authority and Seal

For HYDRO CHEMTECH PRIVATE LIMITED  
THOLASIRAM  
GOPINATH  
Digitally signed by  
THOLASIRAM GOPINATH  
Date: 2021.10.04 13:35:14  
+05'30'

E. &amp; O.E.

(SUBJECT TO BANGALORE JURISDICTION) (THIS IS A COMPUTER GENERATED INVOICE)

Page 1 Of 1

CSC &amp; Boys Hostel Block 1 &amp; 2 Amc

Service charges

Shiva  
Kumar  
11/10/2021  
35730

42161  
715  
41446

Original



ENVIRON INDIA

#49/1, 2nd floor, Anees Plaza, R V Road, Basavangudi, Bangalore - 560004

Ph: 9916506558 / 080-41570072 / 080-41699599 / habib@environindia.in / www.environindia.in

<b>Bill To :</b>	<b>Date:</b>	07.06.2022
M/s. SJB Institute of Technology,	<b>Invoice no #</b>	GST/2022-23/0071
No. 67, BGS Health & Education City,	<b>Invoice Type</b>	SERVICES
Uttarahalli Road, Kengeri	<b>Reverse Charge (Y/N):</b>	No
Bengaluru, Karnataka 560060		

<b>Ship To :</b>	M/s. SJB Institute of Technology,
	No. 67, BGS Health & Education City, Uttarahalli Road, Kengeri, Bengaluru, Karnataka 560060

Sl. No.	Description	HSN Code	Qty (Nos.)	Unit Cost in INR	Amount in INR
1	Comprehensive annual Operation & Maintenance of sewage treatment plant of capacity 330 KLD for the Month of May 2022	9994	1	60,000.00	60,000

For SJB Institute of Technology

Managing Director

**ENVIRON INDIA**  
# 49/1, 2nd Floor, Anees Plaza,  
R.V. Road, Basavanagudi,  
BENGALURU - 560 004.  
Ph.: 080-41570072, Fax: 080-41699599

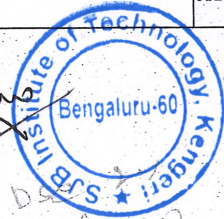
Tax Description		
CGST	9%	5,400
SGST	9%	5,400
<b>Grand Total</b>		<b>70,800</b>

Rupees Seventy thousand and Eight hundred only

Payment Terms		Monthly billing		
GSTIN No.	29AMJPM5495J1Z9		Bank Account Details	
PAN No.	AMJPM5495J		Beneficiary	ENVIRON INDIA
<div>For SJB Institute of Technology</div> <div>Principal</div> <div>16.6.2022</div>			Name of the Bank	CANARA BANK
			A/C No.	04751010000117
			IFSC Code	CNRB0010475
			MICR Code	560015326
			Address	Vijaya College campus, R V ROAD, BASVANGUDI BANGALORE-560004

FOR ENVIRON INDIA

Authorized Signatory



Principal  
SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

New STP Amc service charged month of May

Subir  
Kumar  
11/06/2022

## TEST REPORT

Name & Address of the Customer

: M/s. SJB Institute Of Technology,  
No.67, Uttarahalli Main Road, Kengeri,  
BGS Health & Education City,  
Bengaluru - 560060

Date of Sample Collection

: 12/05/2022

Particulars of sample

: STP Treated Water

Sample Qty: 2 Liters, Sampling Type: Grab,  
Sampling Point: STP Treated Water Tank

Date of sample Receipt

: 12/05/2022

Sample ID/ Code

: NALRC/2022/05/WW/200

Date of Analysis Started

: 12/05/2022

Date of Completion

: 18/05/2022

Report No

: NALRC/2022/05/348

Report Date

: 18/05/2022

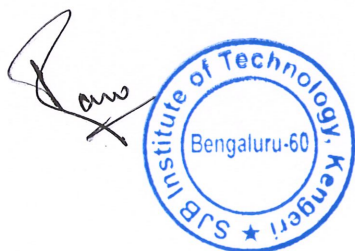
Page No

: 1/2

Description: - Colorless liquid having unobjectionable odor.

SI No	Parameters	Unit	Result	Standards as per KSPCB	Test Method
1	pH Value @ 25°C	---	7.8	6.5-8.5	IS 3025(P-11) 2022
2	Total Suspended Solids	mg/L	6.0	<10	IS 3025(P-17) 1984 (RA-2017)
3	Bio-Chemical Oxygen Demand (5days @ 20°C)	mg/L	4.2	<10	APHA 23rd Edition 5210 BOD B
4	Chemical Oxygen Demand	mg/L	18.0	<50	IS 3025(P-58) 2006 (RA-2017)
5	Ammonical Nitrogen as N	mg/L	1.7	<5	IS 3025(P-34) 1988 (RA-2019)
6	Total Nitrogen as N	mg/L	4.3	<10	IS 3025(P-34) 1988 (RA-2019)

\*\*\*\*\*End of the report\*\*\*\*\*



  
Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

Analyzed By

Authorized Signatory

Note 1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples will be destroyed after 15 days from the date of issue of test report unless otherwise specified. 3. This report is not to be reproduced either wholly or in part and can not be used as evidence in the court of law and should not be used in an advertising media without prior written permission. 4. Laboratory is not responsible for the authenticity of photocopied test reports. 5. Sampling not done by us, unless specified.

NALRC/FF/61/A

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Bengaluru - 560060

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: 12/05/2022

Particulars of sample

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Sample Qty: 500ml, Sampling Type: Grab,

Sampling Point: STP Treated Water Tank

Date of sample Receipt

: 12/05/2022

Sample ID/ Code

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Date of Analysis Started

: 12/05/2022

Date of Completion

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Report No

: NALRC/2022/05/348

Report Date

: 18/05/2022

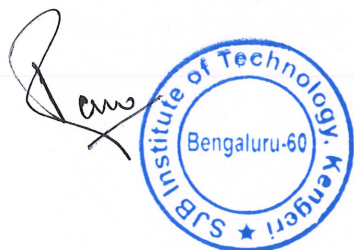
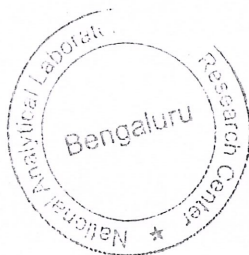
Page No

: 2/2

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SI No	Parameters	Unit	Result	Standards as per KSPCB	Test Method
1	Faecal Coliform	MPN/100ml	25.0	<100	APHA 23 <sup>rd</sup> Edition

\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

*[Signature]*  
Analyzed By

*[Signature]*  
Authorized Signator

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SJB Institute of Technology  
BGS Health & Education City  
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Analyzed By

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Authorized Signatory

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NALRC/FF/61/A0

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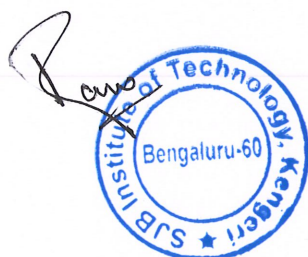
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\*\*\*\*\*End of the report\*\*\*\*\*



*[Signature]*  
**Principal**

**SJB Institute of Technology**  
**BGS Health & Education City**  
**No. 67, Uttarahalli Road, Kengeri**  
**Bangalore South - 560 060**

*[Signature]*  
**Analyzed By**

*[Signature]*  
**Authorized Signatory**

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NALRC/FF/61/A0

# **Water Management Report**

## **(Extraction from Green Audit report)**

**Green Audit Report**  
**(Extraction of Water management Report)**

# VANALOK

environmental sustainability

4<sup>th</sup> Floor, Vanavikas, 18th Cross Malleshwaram,  
Bengaluru-560003, vanalok@gmail.com  
+91 9591100551 / 9449285226

1<sup>st</sup> 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



Vanalok Private Ltd

Green Audit conducted By

Anisha

Anisha Udaykumar

21 / IN / 1022348 / 6032

Principal

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

Vanalok Pvt Ltd is an eco-enterprise registered at Bengaluru

## 4. Observations and Recommendations:

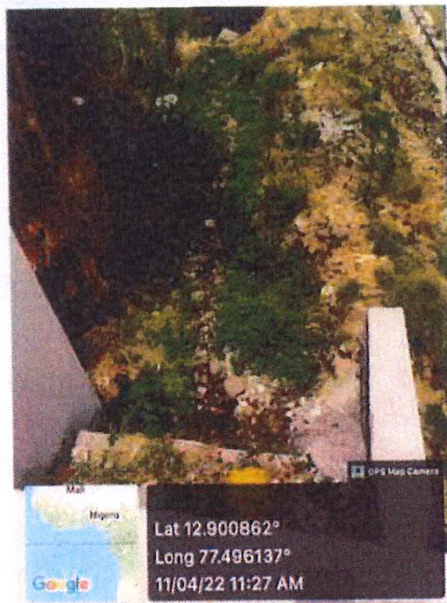
### 4.1 Water Management:

Water is an important resource that is depleting at a rate faster than what can be recovered. All beings depend on water for their survival. Although the earth is covered by water majorly, freshwater that is used for drinking purposes is very limited. Hence, it is very important to use water judiciously and make arrangements to collect and preserve water whenever possible for replenishment of the water table. This indicator addresses water consumption, water sources, irrigation, stormwater, appliances and fixtures. A water audit is an on-site assessment and surveys to determine the practices and efficiency of usage.

- **Observations:**

The major source of water supply are campus borewells, tanker services and the layout water supply in the college premises. Everyday 11 (6 in college + 0 in Girls Hostel + 5 in Boys Hostel) are operated to fill the overhead tanks with a total capacity of 1,30,000 ltrs. The tanks have a system of automatic water level controllers to ensure limited wastages. Water is majorly used in washrooms, canteen, administrative areas, academic areas, hostels and gardening purposes. On an average, the total annual consumption of water in the college is 54.75 MLD. The management has made available provisions for purified drinking water on campus for the students and other staff. Wherever applicable the washrooms have fittings such low flow faucets, low flow shower heads, low flow toilets and urinals to ensure minimum wastages.

During the survey, no wastages were observed. The open grounds provide means for water percolation as they are not barren due to ample greenery on campus. A proposal for a functional rain water harvesting unit has been initiated in the campus premises. All the waste water from the campus is treated by a fully functional Sewage Treatment Plant and is reused in the college premises.



Rainwater outflow point at SJB Institute of Technology



SJB Institute of Technology Campus Layout

**Recommendations:**

1. Push Button taps can be implemented phase wise in wash rooms to prevent water wastage.
2. Rain water harvesting units can be improved in the premises to conserve rainwater run-off and recharge pits can be employed close to the borewells or wells to help recharge the groundwater table.
3. Need for systems to control overflow of water while filling up overhead tanks.
4. Minimizing wastages by reducing, reusing and recycling wherever possible.
5. Installation of aerators in all taps to reduce wastage and consumption. Automated taps could also help reduce usage.
6. Fix leaky faucets and flushes regularly.
7. Ensure all disinfectant products used are eco-friendly and do not cause major harm to the environment.

## 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.

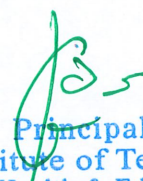


*Figure 1: Good Environmental Practices for Sustainable Development.*

## 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.

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



|| Jai Sri Gurudev ||  
Sri Adichunchanagiri Shikshana Trust®

## SJB Institute of Technology

(A Constituent of BGS & SJB Group of Institutions and Hospitals)

BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru-560060

Affiliated to Visvesvaraya Technological University, Belagavi. Approved by AICTE, New Delhi. Accredited by



### Rain Water Harvesting

Bangalore has an average annual rainfall of 859.6mm, with three different rainy periods covering eight months of the year. The South west monsoon sets in around the first week of June and retrieves back in second week of November. About 80% of rainfall it's received between June and September with the wettest month August alone being responsible for about 30% of the annual rainfall. The rainfall during some seasons it's around 8% while in winters it is as low as 1% to 2% in the post monsoon months about 10% to 15% off rainfall its received.

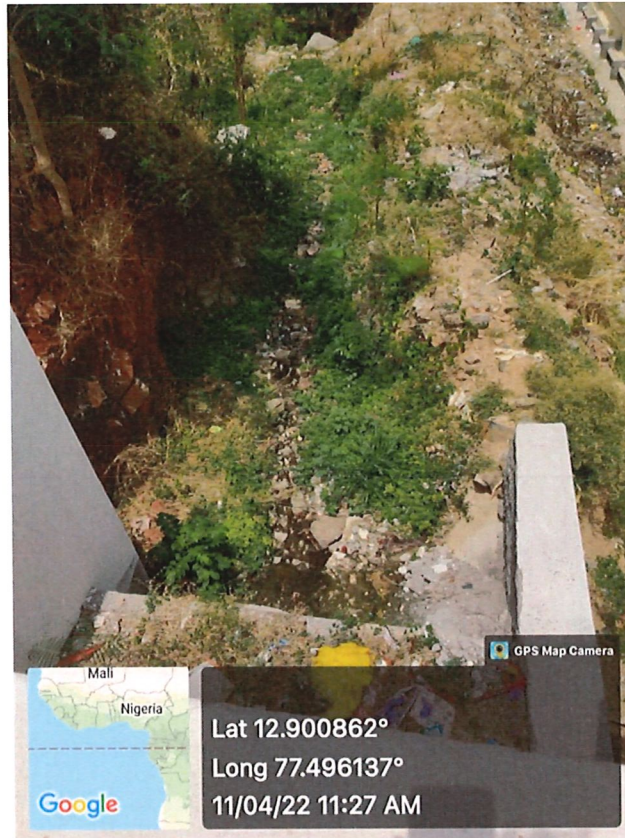
SJBIT campus is spread across an area of over 60 Acres with 40% built-up and paved areas. It is estimated that in SJBIT campus **25660800 m<sup>3</sup>** of rain water can be harvested annually. A part of this runoff is proposed to be utilized for ground water recharge through disused bore wells and some part to be collected in ponds with surface lining and used for gardening and flushing of toilets. The proposed details are illustrated with following pictures.



**SJB Institute of Technology Campus Layout**

**K V MAHENDRA  
PRASHANTH**

Digitally signed by K V  
MAHENDRA PRASHANTH  
Date: 2022.05.04 20:01:22  
+05'30'



Rainwater outflow point at SJB Institute of Technology

*Amritha*  
Coordinator

*[Signature]*  
Principal

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

K V  
MAHENDRA  
PRASHANTH

Digitally signed by  
K V MAHENDRA  
PRASHANTH  
Date: 2022.05.04  
20:01:39 +05'30'

## **Environmental consciousness and sustainability and Divyangjan friendly initiatives**

### **7.1.2 The institution has facilities and initiatives for**

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



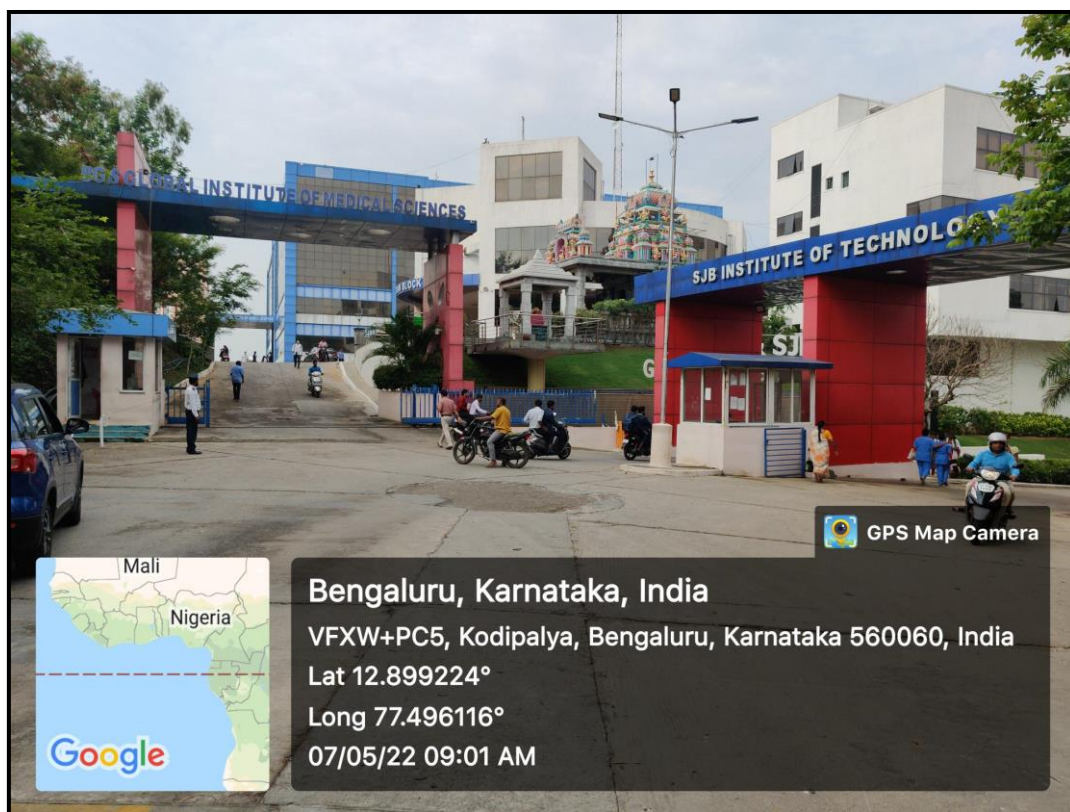
||Jai Sri Gurudev||  
Sri Adichunchanagiri Shikshana Trust ®  
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Affiliated to Visvesvaraya Technological University, Belagavi,  
2(f) and 12(B) recognized by UGC, New Delhi.  
Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015

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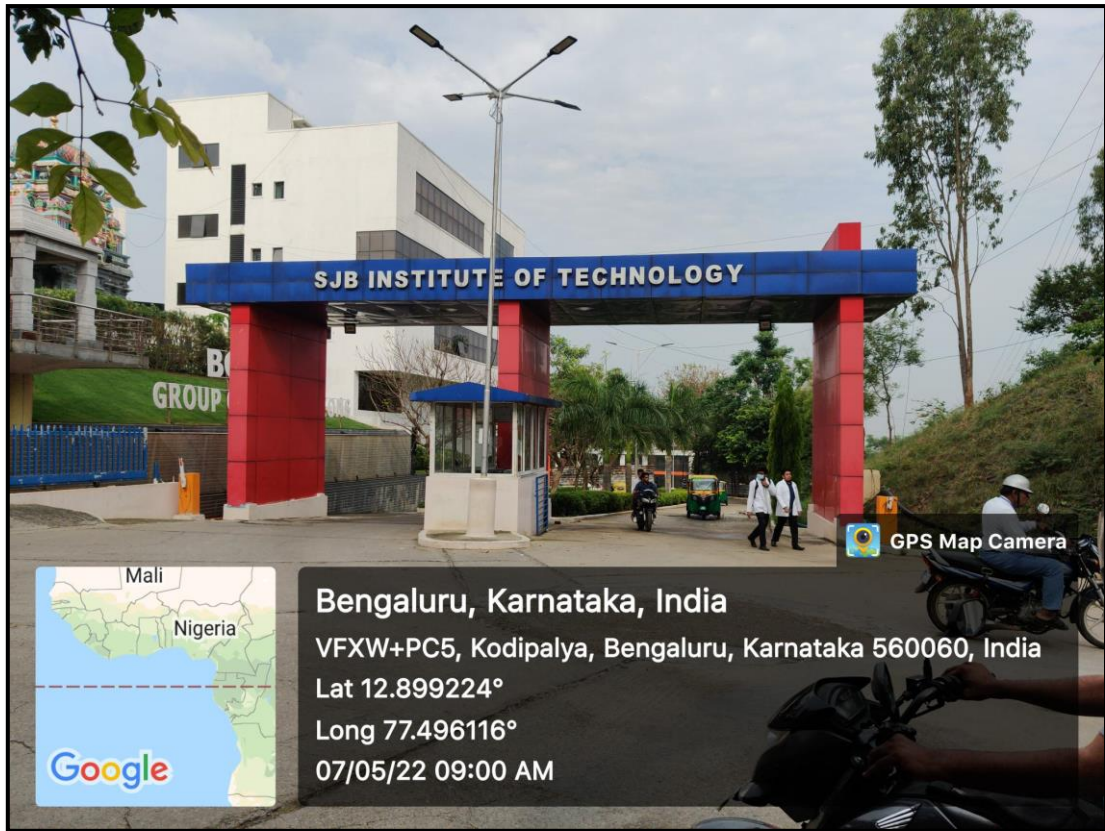
## **Green Campus Initiatives**

### **Restricted Entry of Automobiles:**

The vehicular entry is restricted by allowing only for certain time duration during entry and exit.



**Fig: Restricted Entry of Automobiles**



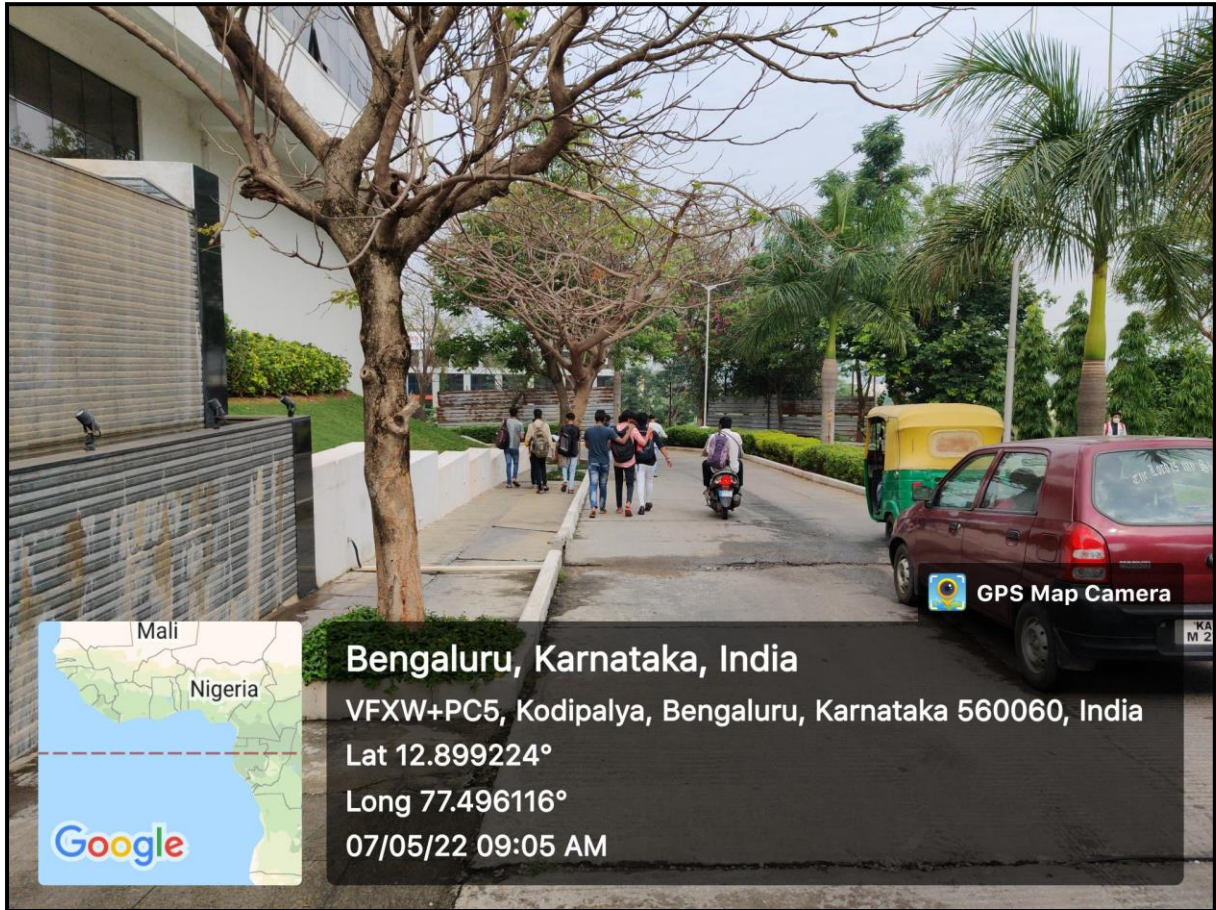
**Fig: Restricted Entry of Automobiles**



**Fig: Restricted Entry of Automobiles**

### **Pedestrian-Friendly Pathways:**

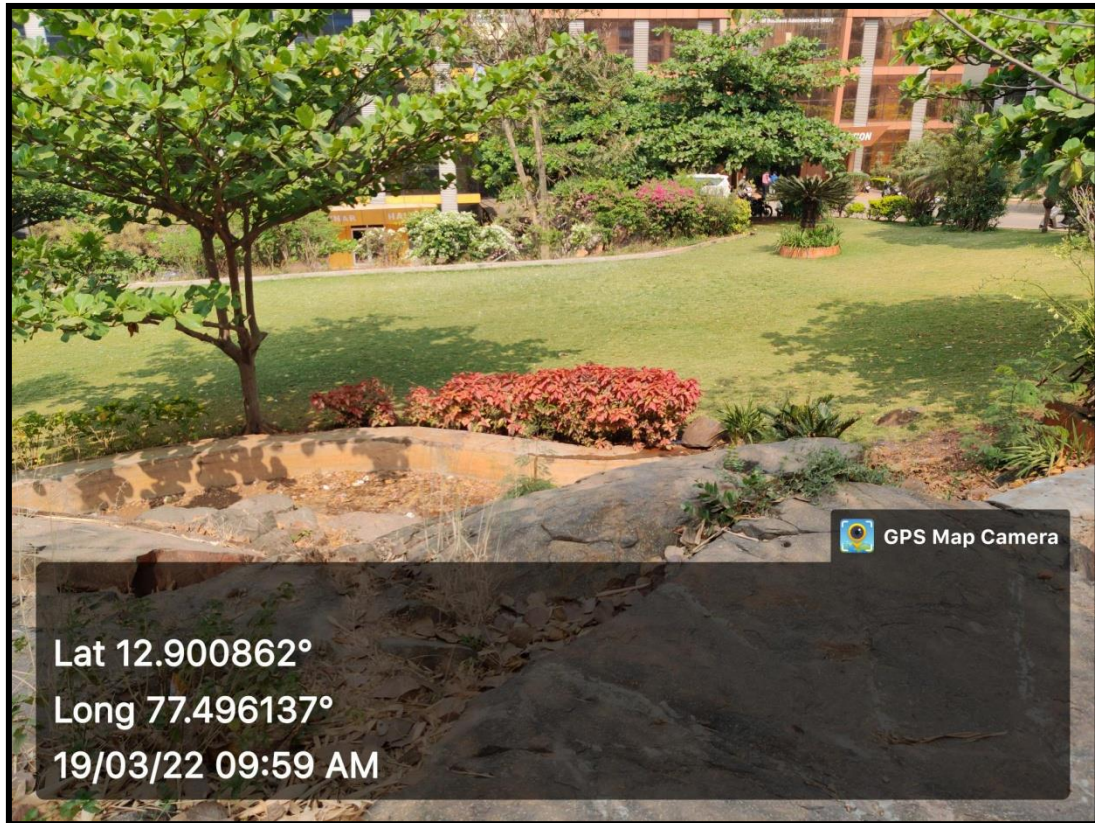
Well planned pathways are designed on either side of the roadways.



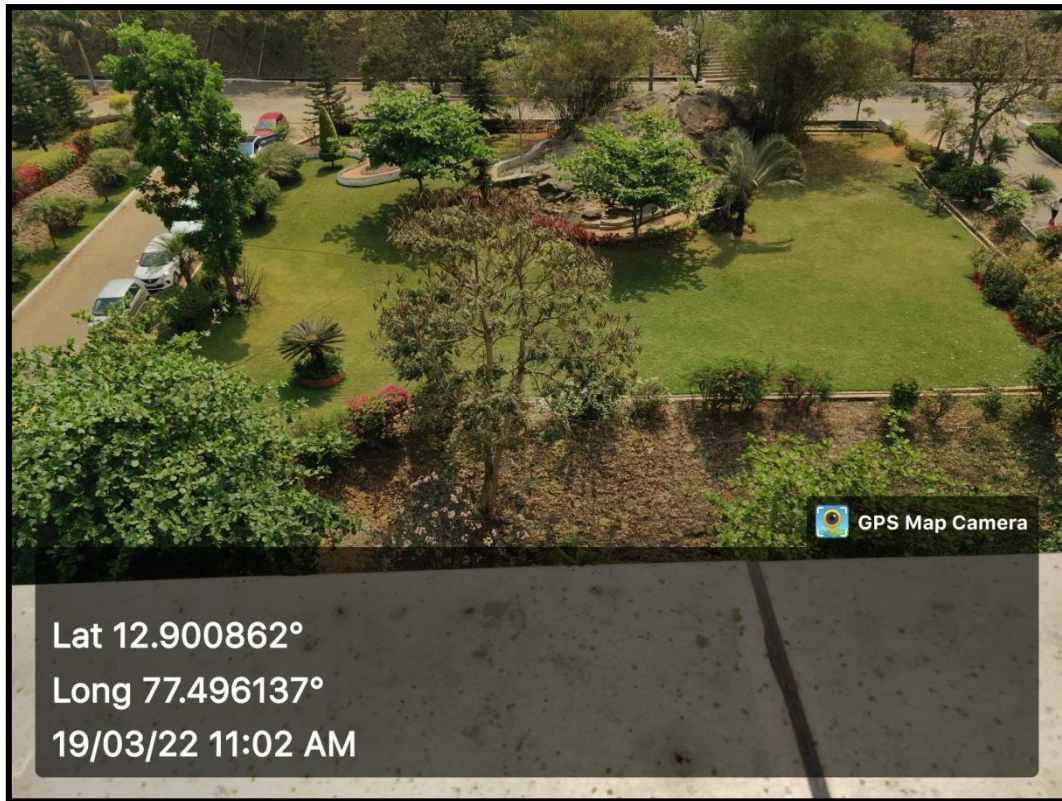
**Fig: Pedestrian-Friendly Pathways**

### **Landscaping with trees and plants:**

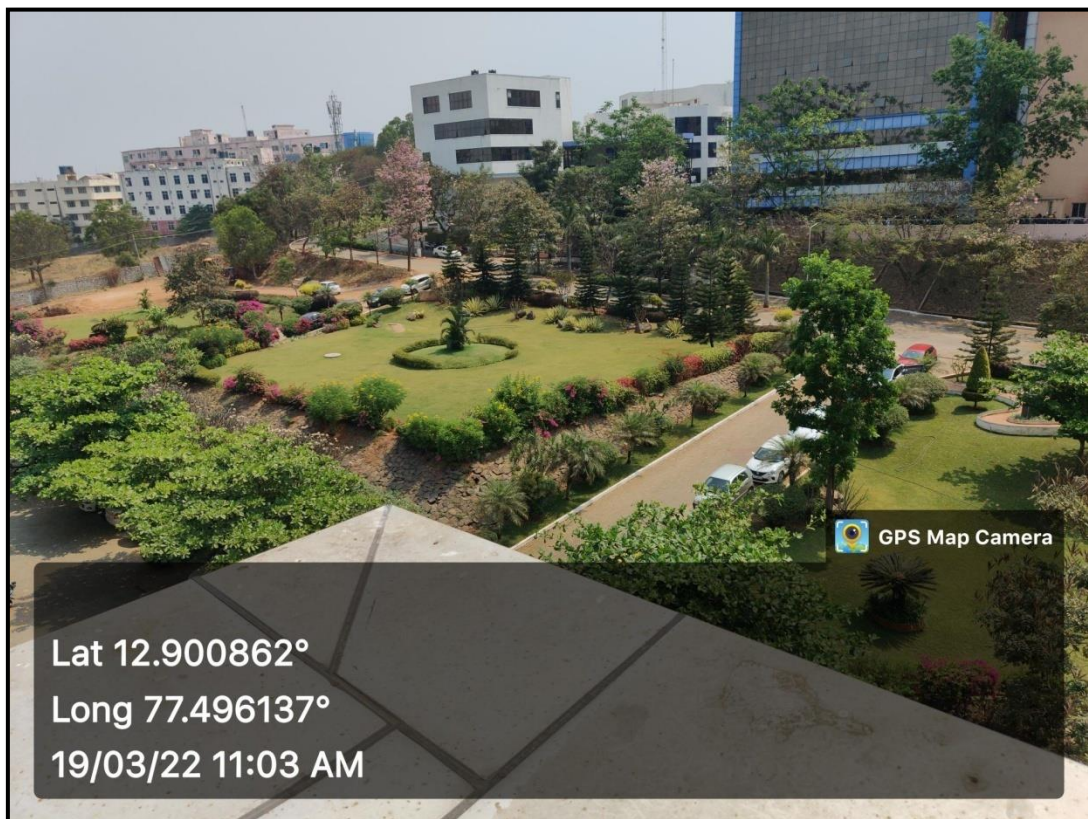
The campus houses number of trees including medicinal and various species helping in creating the green environment by reducing the carbon dioxide production.



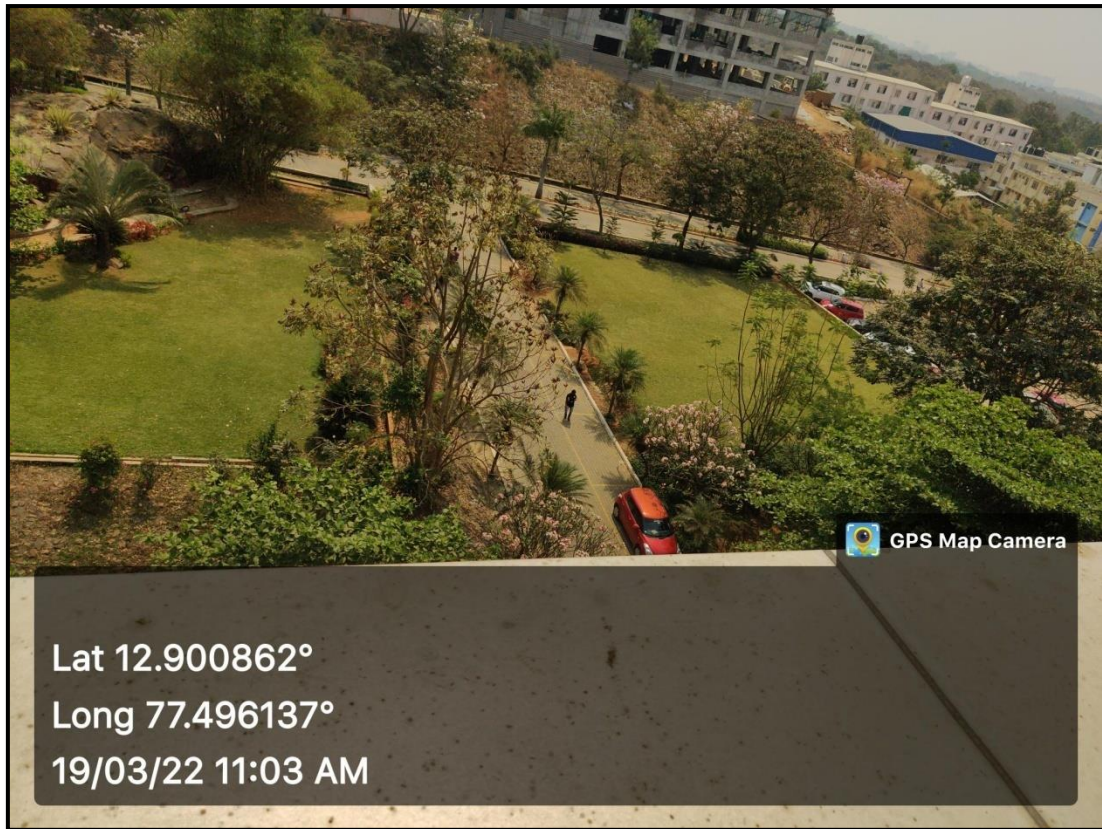
**Fig: Landscaping with trees and plants**



**Fig: Landscaping with trees and plants**



**Fig: Landscaping with trees and plants**



**Fig: Landscaping with trees and plants**

**Ban on the Use of Plastics:**

Sign boards have been placed at regular intervals throughout the campus to create awareness on stopping the use of plastics.

II JAI SRI GURUDEVII

**SRI ADICHUNCHANAGIRI SHIKSHANA TRUST**

**SJB INSTITUTE OF TECHNOLOGY**

Recognized by UGC, New Delhi with 2(f) AND 12(b)

(A constituent institution of BGS and SJB Group of institution and Hospitals)

#67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru – 560060.KARNATAKA, INDIA.

Mobile Number : +91-6366041109, Phone: +91-80-28612445/46, Fax:+91-80-28612651

Email: principal @ sbit.edu.in



## **Policy document on Green campus initiatives**

**Preamble:** SJB institute of technology is pioneers in promoting modern day education system with green campus initiatives for sustainability of green environment. And we focus on the clean green and reduced pollution free environment to provide effective learning experiences. The green campus concept offers an institution the opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental, social and economic needs of the mankind.

### **Objectives**

1. To sustain the campus's ecological systems and natural resources.
2. To manage the of the various types of degradable and non-degradable waste
3. To incorporate environmental issues into academic programs for outreach and social development initiatives.
4. Awareness creations about environmental issues among stakeholders.
5. To incorporate the green initiatives inside the campus

### **Methodology**

#### ***1. Alternate sources of energy and energy conservation measures:***

SJB Institute of technology being a green and student friendly campus works with environmental conscious and works for sustainability. As it taken the responsibility of energy conservation in the campus in the aspects of energy efficiency the following steps may undertaken

- Solar generation system: Solar PV power plant and water heater installed on SJBIT rooftop should be utilized for powering the entire institute and water heaters for hostels
- LED Displays and lamps: Traditional lightning's should be replaced by LED bulbs to minimize the energy consumptions
- Awareness creation on energy conservation among students: Sign Boards should be installed in class rooms and laboratories

#### ***2. Management of the various types of degradable and non-degradable waste***

With theme of reduce ,recycle and reuse SJBIT always focus to conserved ecosystem by performing tasks to ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations. To strive Eco-Friendly atmosphere in the campus on the following initiatives can be undertaken

- Solid waste management:

The undertaking of solid waste management to assess quantity of food waste that would convert into biogas is encouraged

➤ Liquid waste management:

Waste water treatment plant can be installed inside the campus to manage the waste water generated from various sources in the college to recycle effectively

➤ Bio medical/E- Waste management:

Minimum amount of Biomedical waste originates in the college should be out sourced along with hospital waste

The E waste are removed disposed and auctioned to the authorized dealers as per norms.

➤ Waste recycling system

The withered leaves of landscaping trees inside the campus should made use in preparing the compost.

➤ Water conservation:

Waste water recycling and Rain water Harvesting should be implemented inside the campus to conserve the water

**3. *To incorporate environmental issues into academic programs for outreach and social development initiatives.***

Should incorporate the environmental challenges and awareness to the students through programs like NSS, Community service along with curriculum


**4. *To create the awareness among environment issues and conservation of energy the following programs are adapted through various committees***

- Rally /Marathon Programs
- Guest lectures
- Plantation and maintenance of the plants
- Environmental promotion activities among the students

**5. *Green campus initiatives:*** SJBIT should work with Commitment to sustainability of green environment inside the campus in following ways

- Restricted entry of automobiles
  - Institute encourages the stake holders to use bus as the transportation,
  - Security precautions are made mandatory for all type of vehicles,
- Pedestrian Friendly pathways
  - Well planned pathways are designed on either side of the roadways.
  - Pedestrian-pleasant pathways are well marked with appropriate logo/sign

- Ban on use of Plastic:
  - To beat the plastic pollution in the environment institute ban the single use plastic
  - Sign boards have been placed at regular intervals throughout the campus to create awareness on reduce the use of plastics.
  - Promoting the students to the theme refuse, reduce and reuse the plastic products in their daily needs
- Landscaping with trees and plants :
  - The campus houses number of trees of various species helping in creating the green environment by reducing the carbon dioxide production.
- Paperless office:
  - Office work should be done with minimal uses of paper and priorities with digital documentation and online communications

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

# Green Audit Report –2022



**SJB Institute of Technology, Bengaluru**



# VANALOK

environmental sustainability

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Bengaluru-560003, vanalok@gmail.com  
+91 9591100551 / 9449285226

1<sup>st</sup> 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



Vanalok Private Ltd

Green Audit conducted By

Anisha

Anisha Udaykumar

21 / IN / 1022348 / 6032

Dr.  
Principal

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

Vanalok Pvt Ltd is an eco-enterprise registered at Bengaluru

## Acknowledgement:

We would like to acknowledge and give our warmest thanks to the committee members of SJB Institute of Technology for their support and for providing us necessary facilities and co-operation during the audit process. This helped us in making the audit a success.

We hope this report would help SJB Institute of Technology with their future endeavors and help them achieve all their environmental aspirations and vision.

- Vanalok Pvt. Ltd  
Vanavikas Building, 4<sup>th</sup> floor,  
18<sup>th</sup> cross, Malleshwaram,  
Bengaluru - 560055

## Executive Summary:

Nature encompasses fascinating inhabitants like microorganisms, plants, animals, insects, etc., who have as much right to live as we do. People all over the world see nature differently. With the climatic conditions going haywire all over the world, there is a need for resilient infrastructure, actions and a strong mindset for driving lifestyle change. Students being future citizens of the world can drive change and strive for a better existence and this would be possible only if educational institutions impart values and space for them to grow. They also have the ability to influence their families and the general public more effectively than even a learned motivator. Teachers play an undeniable role in imparting knowledge to the students. Hence, teachers are in a position to facilitate knowledge and promote the learners to achieve better awareness about what is happening in and around them. Teachers as professionals and influential individuals, supported by the management of institutions, can play an important role in moulding students' attitudes through training and encouraging them to be the role models in their communities. An educational institution thus can offer an ideal service in forging the young minds in their impressionable age, towards promoting the health of nature, understanding the underlying causes of climate change and its impacts, and the conditions required to be maintained for sustaining life on earth.

Green Audit is, therefore to make the entire college and the society understand through trained students, how heavy their carbon footprint is, and help in the remediation process while making their campuses and living surroundings 'as green as one can make it'. It is also a search of futuristic ways to climb up the ladder through continuous effort and sustainable ways of sustenance.

The result of such an exercise would help parents and other visitors to the campus appreciate responsible behaviour and admire the novel ways in which the campus team has strived to achieve their “shade of green”. A green audit can also be a useful tool for a college to know how and where they are using the most energy, water or other resources. The college can thus plan for the necessary changes and ensure savings. It can also be used to improvise their waste minimization strategy. Green auditing and the implementation of mitigation measures will be a win-win situation for the college, the learners and the planet. It can also create health consciousness and promote awareness of the environment, ethics and values.

Eco-campus is a concept often used by educational institutions around the world to make campuses more sustainable by reducing wastages and enabling their safe disposal into the environment. Waste minimization plans for academic institutions are now mandatory to ensure that the campus is cleaned regularly. As an eco-campus, performing a green audit of the institution is critical. The green auditing of SJB Institute of Technology in Bengaluru allows the assessment of lifestyle, actions, and their impact on the environment. The audit was primarily focused on greening factors such as energy consumption in terms of electricity, water management, waste management, and green spaces management. A series of methods were used to obtain information about the green practices of the college. A set of questions were formulated, reports and documents were verified and a series of interviews were conducted with people in charge of each criterion was done to ensure the accuracy of information. The information gathered was organized, tallied, and analyzed. Finally, a report on environmental observations and recommendations for improvement were listed out for the perusal of the management.

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# 1. Introduction:

Green audits help analyse local environmental practices both inside and outside the university premises which influences the atmosphere of the campus. Therefore, 'Green Audits' can be defined as a systematic, identification, quantification, recording, reporting and analysis of components that constitute a university environment. Through such audits, the current status, scope for improvement, and recommendations for improvement can be made available which would further improve the structure of the environment and enhance the efficiency and atmosphere of the campus.

A green audit also serves as a means to identify opportunities for sustainable development practices, enhance environmental quality, improve health, hygiene and safety, reduce liabilities and save money and achieve values of virtue.

Green audits are assigned to criteria 7 of the National Assessment and Accreditation Council, which is a self-governing organization that provides various institutions with grades based on their criteria for accreditation. This accreditation provides a college with an opportunity to present itself as an esteemed institution without impeccable values, infrastructural advantage and endless opportunities it could provide its students.

### **1.1.1. Need for Green Audits:**

Green audits help analyse and determine good institutional practices; whether they are eco-friendly or sustainable. With the world constantly changing, development, unfortunately results in large-scale utilization of natural resources. Now natural resources are not just used for the production and consumption of commodities. Energy, water are all basic elements that are used generously by all. With the threat of depleting resources looming over our heads, it is imperative to determine how much we use and where we waste resources to ensure efficient usage. Green audits provide opportunities to determine the same and help the organization to reflect, improve and expand their processes and shift to clean green resource utilization. Apart from this, it helps instil consciousness among people as part of the institution towards the environment and sustainable resource utilization.

### **1.1.2. Goals of Green Auditing:**

- a) Identification of strengths and weaknesses in green practices.
- b) Analyse and suggest solutions for problems identified.
- c) Identify and assess environmental risk.
- d) Motivate staff for optimal sustainable use of available resources.
- e) Increase environmental awareness throughout the campus.
- f) Collect baseline data of environmental parameters and prepare plans for issues before they become problems.

### **1.1.3. Objectives of Green Audit:**

- a) Analyse current practices and determine their impact on the environment.
- b) Identify and analyse significant environmental issues.
- c) Continuous assessment for better environmental performance.
- d) Establish and implement a green culture on the campus and sensitize the faculty and students.

### **1.1.4. Benefits to Educational Institutions:**

- a) Improve the environment within and outside the campus premises.
- b) Help recognize cost-effective green strategies like waste minimization, energy conservation, water replenishment etc.
- c) Empower people linked to the organization to move towards conscious environmental thinking and practice.
- d) It helps improve the image and builds a positive impression of the institution for its green and clean approach.

## **2. Scope of Green Audits:**

The benefits of green auditing practices are the following:

- a) Environmental education through systems thinking and environmental management system approach.
- b) Benchmarking for environmental protection initiatives.
- c) Financial savings through efficient resource use.
- d) Enrichment of curriculum through hands-on experiences.
- e) Enhancement of college profile and improving environmental standards.
- f) Strengthening the environmental ethics and value systems in young people.
- g) Developments of ownership, social and personal responsibility for the campus and its surrounding environment.

### 3. About the College:

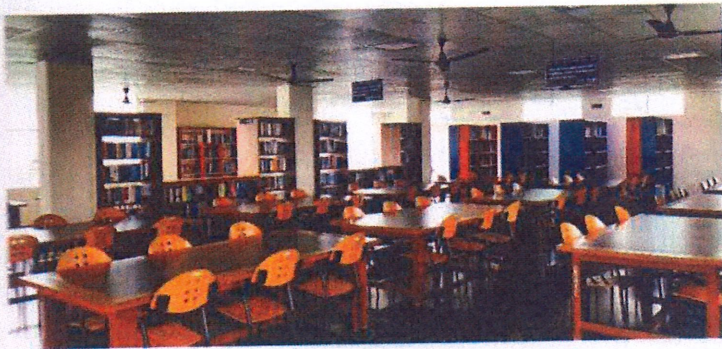
Sri Jagadguru Balagangadharanatha Swamiji Institute of Technology is a private engineering college in Bengaluru established in the year 2001. The College is affiliated to the Visvesvaraya Technological University (Belagavi), approved by AICTE (New Delhi) and recognized by the UGC, New Delhi with 2(f) and 12(B).

SJBIT is spread across an area of 13 acres of land with a built-up area of 58967.43 sqm. With a strong vision that strives to be a recognized technical education centre with global perspective and a mission to provide learning opportunities that foster students' ethical values, intelligent development in science and technology and social responsibility so that they become sensible and contributing members of the society.

The college management has slowly made conscious steps towards bringing an overall positive and environment friendly campus for the benefit of both the students as well as long term benefits for the institution. The institution has mindfully provided sufficient space for all the essential requirements of the students, such as parking areas, proper roads, sitting areas, well-maintained washrooms, clean filtered drinking water, good playgrounds, well-managed green space and most importantly fully functional waste water management units. The corridors are clean and provisions for dustbins and lights wherever necessary are present.

SJBIT is a well-recognized technical institution fostering quality education in the last 21 years. They provide placement training, technical skill enrichment programs, soft skill trainings that enable students to get placed in multinational companies with a top-notch reputation. The College features a huge library with a good collection of books and an exclusive digital library facility, an indoor

auditorium, a hi-tech gym facility on campus. The college features separate hostels for girls and boys with all facilities and a dedicated staff. The institute encourages sports and provides facilities for outdoor games like Cricket, Volleyball, Football and Basket-ball court along with a centralized AC Indoor Sports Complex. The college campus consists of Bank, Medical facility, ATM and cafeteria for both students and faculty.



## 4. Observations and Recommendations:

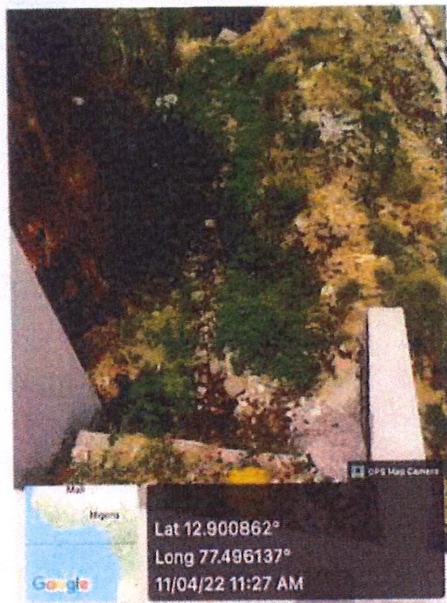
### 4.1 Water Management:

Water is an important resource that is depleting at a rate faster than what can be recovered. All beings depend on water for their survival. Although the earth is covered by water majorly, freshwater that is used for drinking purposes is very limited. Hence, it is very important to use water judiciously and make arrangements to collect and preserve water whenever possible for replenishment of the water table. This indicator addresses water consumption, water sources, irrigation, stormwater, appliances and fixtures. A water audit is an on-site assessment and surveys to determine the practices and efficiency of usage.

- **Observations:**

The major source of water supply are campus borewells, tanker services and the layout water supply in the college premises. Everyday 11 (6 in college + 0 in Girls Hostel + 5 in Boys Hostel) are operated to fill the overhead tanks with a total capacity of 1,30,000 ltrs. The tanks have a system of automatic water level controllers to ensure limited wastages. Water is majorly used in washrooms, canteen, administrative areas, academic areas, hostels and gardening purposes. On an average, the total annual consumption of water in the college is 54.75 MLD. The management has made available provisions for purified drinking water on campus for the students and other staff. Wherever applicable the washrooms have fittings such low flow faucets, low flow shower heads, low flow toilets and urinals to ensure minimum wastages.

During the survey, no wastages were observed. The open grounds provide means for water percolation as they are not barren due to ample greenery on campus. A proposal for a functional rain water harvesting unit has been initiated in the campus premises. All the waste water from the campus is treated by a fully functional Sewage Treatment Plant and is reused in the college premises.



Rainwater outflow point at SJB Institute of Technology



SJB Institute of Technology Campus Layout

**Recommendations:**

1. Push Button taps can be implemented phase wise in wash rooms to prevent water wastage.
2. Rain water harvesting units can be improved in the premises to conserve rainwater run-off and recharge pits can be employed close to the borewells or wells to help recharge the groundwater table.
3. Need for systems to control overflow of water while filling up overhead tanks.
4. Minimizing wastages by reducing, reusing and recycling wherever possible.
5. Installation of aerators in all taps to reduce wastage and consumption. Automated taps could also help reduce usage.
6. Fix leaky faucets and flushes regularly.
7. Ensure all disinfectant products used are eco-friendly and do not cause major harm to the environment.

## 4.2 Energy Management:

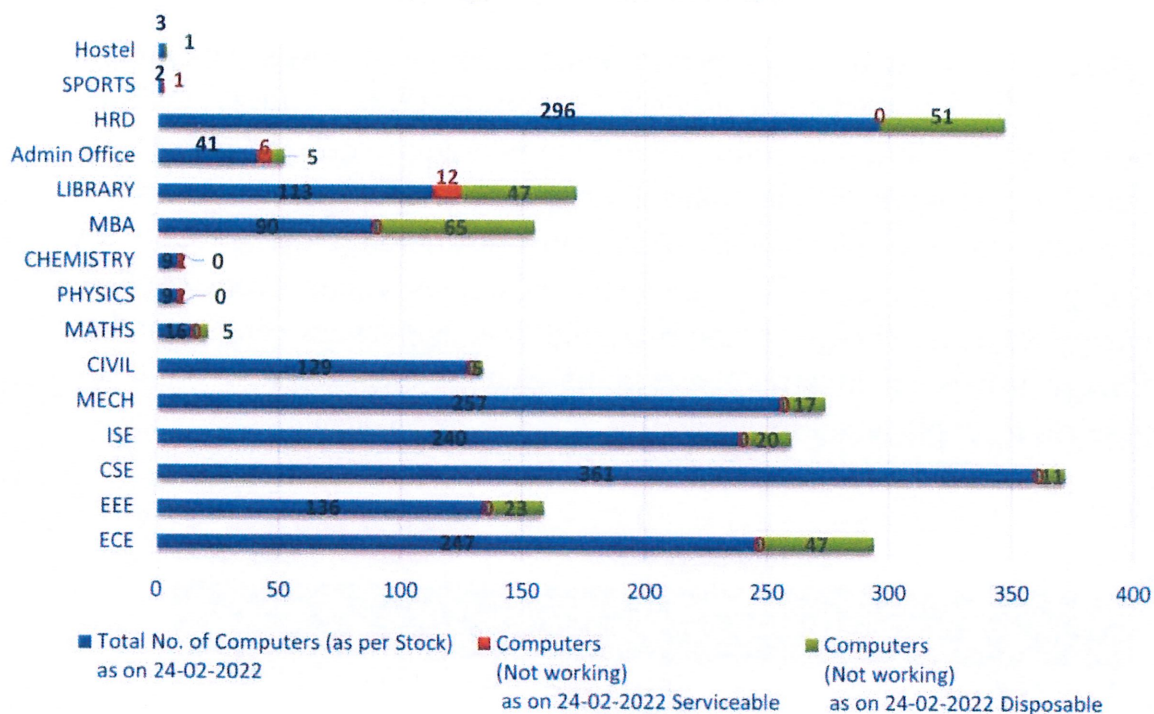
Energy conservation is an important component of campus sustainability, as it is linked to the institution's carbon footprint. Energy auditing primarily is associated with energy conservation and techniques for reducing consumption that contributes to environmental degradation. As a result, any environmentally 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

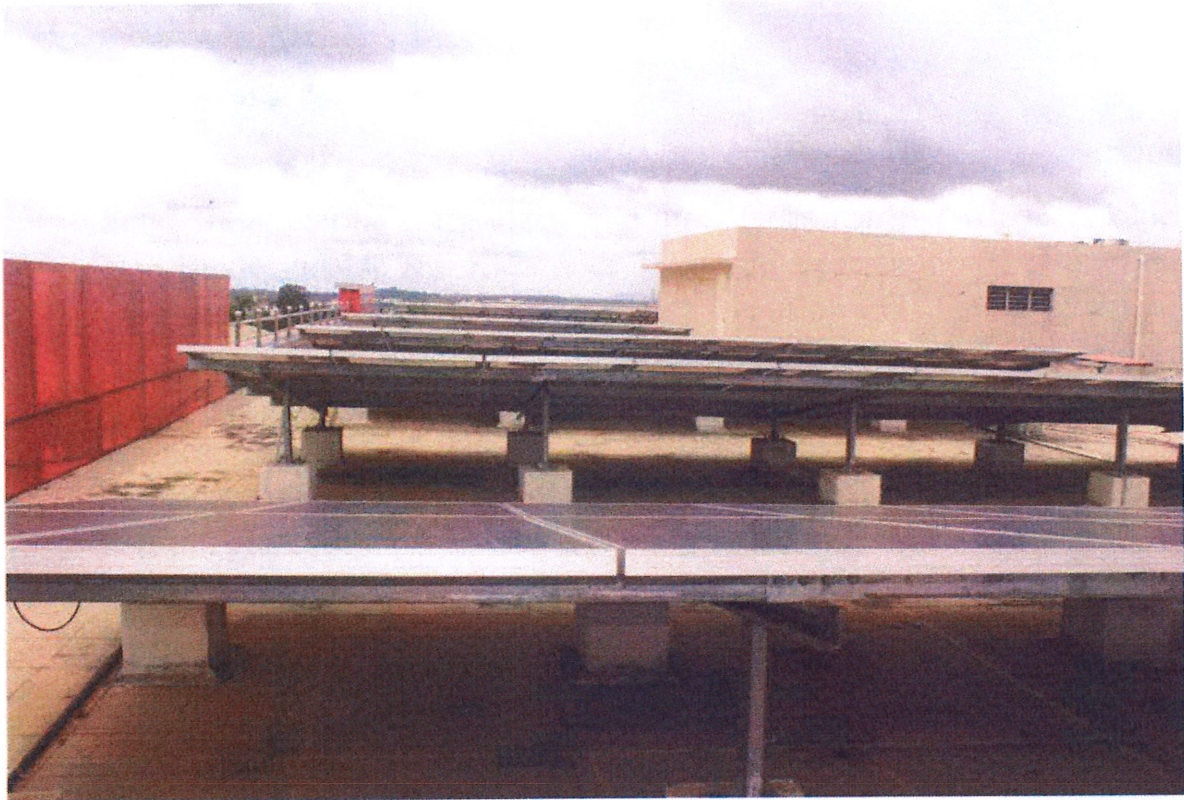
Solar Meter Readings	Total units (Feb 2022)
ECE - EEE Block	27,808
MECH – CIVIL Block	17,648

### 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.

### 4.3 Waste Management:

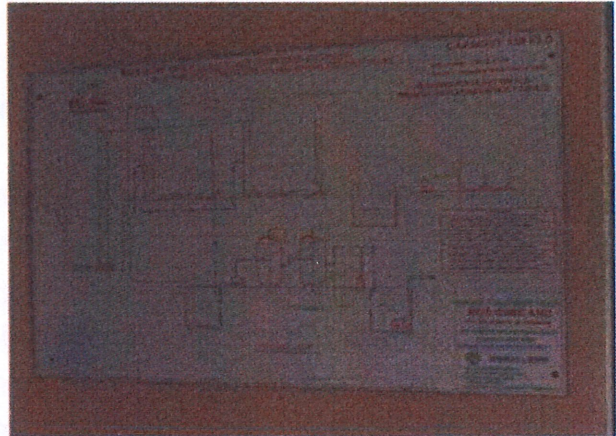
Solid waste can be categorized into three types namely: Biodegradable, Non-Biodegradable and Hazardous Waste. In an institutional setting, the only hazardous waste generated is E-waste and Sanitary Waste. Biodegradable or Wet waste is mainly leftover food components, canteen waste etc., while non-biodegradable includes recyclable waste like plastics, tin, bottles, papers etc. E-waste majorly contains harmful chemicals and metals that could cause harm to the handlers or even cause harmful gas emissions in case it is burnt in landfills. Such waste needs to be collected and given special treatment. Thus, minimization of solid waste is an essential win on the road to sustainability. This indicator addresses the waste collection and disposal mechanisms.

#### Observations:

The total waste collected on the campus is around 73 tons of wet waste and 7.3 tons of dry waste for the year 2020-21. Waste segregation seems to be taking place at the source itself. There were provisions for dustbins with clear demarcations for wet waste and dry waste in every place possible. All the segregated waste are sent to the respective vendors. Wet waste is sent to piggeries, dry waste to recycling units and E-Waste to the respective authorized vendors who would safely dispose of the waste components after extraction of required materials. The institution encourages extensive usage of E-communication thereby moving towards a paperless mode of communication.

The college has a fully functional STP (Sewage Treatment Plant) with a capacity of recycling up to 550 KLD in place that takes care of all the grey water recycling. It runs for 18 hours in a day. The water first passes through a collection tank with a bucket screen that screens solid waste initially. Following which the water is moved to an equalizer tank and then to an anaerobic digester used for treatment of wastewater. After the digestion of waste using microbes, the water is moved to an aeration tank that provides a constant supply of oxygen to allow the microorganisms to digest the organic waste. The water is then moved to a clarifier tank to allow the sludge to settle at the bottom. The recycled water is sent to filtration units to further process the water and then finally sent to the

collection tank. The recycled water is then utilized for gardening purposes. A thorough STP plant is necessary as the lab waste and other sewage needs to be thoroughly treated. The presence of this impeccable recycling option in the campus definitely shows that the opportunities for water utilization is fully explored.



**Recommendations:**

1. Having proper sanitary waste disposal mechanisms on site like an incinerator for safe disposal are a part of good environmental practices. Having sanitary pad vending machines could also benefit the students on campus.
2. Applying concepts of Reduce, Reuse, Recycle and Refurbish wherever possible could instil a green mentality in the campus.
3. Installing proper composting units in the form of pits to take care of wet waste in the premises itself could be beneficial to the institution. This could be done involving students and the compost could be used as nourishment for the trees and plants on the campus.
4. Training and campaigns in cotton bag making for students and staff will reduce the usage of throw away plastic carry bags.
5. Leaf litter from the campus can be effectively used for aerobic/vermicomposting so that the composted material can also be used as good manure.

#### 4.4 Green Space Management:

With the rapid increase in urbanization, the availability of green spaces for recreation and relaxation is slowly reducing leading to detrimental repercussions on student growth and health. Students need to grow and learn in environments that promote their physical health as well as their cognitive development to enhance their academic learning. Green spaces boost mental health among adults and can offset traffic emissions. Greenery can help reduce air pollution in several ways like filtering air, restoring water tables, reducing heat island effects and reducing noise levels.

##### a) Observations:

SJBIT has extensive green cover spanning over their campus space. The college campus consists of various trees as well as plants. The garden maintenance team of SJBIT identifies the areas in the campus where new saplings are to be planted, manage the procurement of saplings from the nursery and is responsible for planting of saplings, watering the plants and other garden maintenance activities. The construction of new block was carefully done without uprooting any trees.



**Details of Trees Within Campus: (Height: 4feet and above)**

Sl.No.	Botanical Name	Local Name
1.	<i>Grevillea robusta</i>	Silver oak
2.	<i>Tabebuia rosea</i>	Trumpet Tree
3.	<i>Calotropis gigantea</i>	Ekka
4.	<i>Spathodeacampanulata</i>	African tulip tree
5.	<i>Azadirachtra indica</i>	Neem
6.	<i>Phyllanthus emblica</i>	Amla
7.	<i>Bougainvillea glabra</i>	Bougainvillea
8.	<i>Pongamia pinnata</i>	Indian beech
9.	<i>Saracaasoca</i>	Ashoka
10.	<i>Artocarpus heterophyllus</i>	Jack fruit
11.	<i>Plumeria alba</i>	White frangipani
12.	<i>Cycus</i>	Cycad
13.	<i>Ixora</i>	West Indian jasmine
14.	<i>Persea americana</i>	Butter fruit
15.	<i>Oxalis</i>	Wood sorrels
16.	<i>Albizia julibrissin</i>	Persian silk tree
17.	<i>Ficus benghalensis</i>	Banyan
18.	<i>Cassia javanica</i>	Apple blossom tree
19.	<i>Paulownia tomentosa</i>	Royal forms
20.	<i>Tectona grandis</i>	Teak
21.	<i>Dypsishutescens</i>	Areca palm

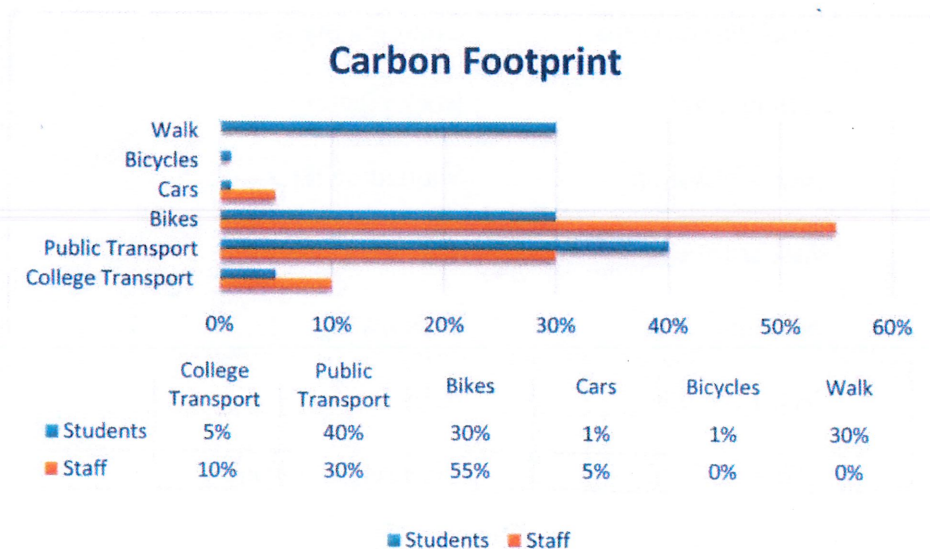


Details of animal biodiversity on campus:

Sl.No.	Scientific Name	Local Name
1.	<i>Leptocomazeylonica</i>	Purple rumped sunbird
2.	<i>Nectarinia asiatica</i>	Purple sunbird
3.	<i>Parus cinereus</i>	Grey tit
4.	<i>Accipiter badius</i>	Shikra
5.	<i>Bubulcus ibis</i>	Cattle egret
6.	<i>Saxicoloidesfulicata</i>	Indian robin
7.	<i>Dicirismacrocerus</i>	Black drongo
8.	<i>Pycnonotusjocosus</i>	Red whiskered bulbul
9.	<i>Meropsorientalis</i>	Green bee eater
10.	<i>Terpsiphone</i>	Paradise flycatcher
11.	<i>Ardeolagrayii</i>	Pond heron
12.	<i>Milvus migrans</i>	Black kite
13.	<i>Funambulus palmarum</i>	Squirrel
14.	<i>Acridotheres tristis</i>	Common myna
15.	<i>Columba livia</i>	Rock pigeon
16.	<i>Strix occidentalis</i>	Spotted owlet
17.	<i>Haliasturindus</i>	Brahminy kite
18.	<i>Tyto alba</i>	Barn owl
19.	<i>Priniasocialis</i>	Ashy prinia
20.	<i>Psittaculakrameri</i>	Rose ringed parakeet

### b) Recommendations:

- Keeping records of the trees and plants on the campus and looking out for opportunities would help increase their number.
- Including environmental sciences as an added subject in the curriculum for at least one module would benefit students in understanding the environment.
- Including opportunities for students to volunteer and be a part of environmental organizations by incentivizing the same for extra credits could help them achieve a number of personal goals that would be beneficial in their careers.
- Including projects that involve environmental concerns and what students can contribute from their respective fields as a part of the curriculum to enhance problem-based thinking capabilities.



## 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.

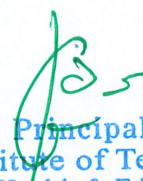


*Figure 1: Good Environmental Practices for Sustainable Development.*

## 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.

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

## **Environmental consciousness and sustainability and Divyangjan friendly initiatives**

### **7.1.2 The institution has facilities and initiatives for**

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



||Jai Sri Gurudev||

Sri Adichunchanagiri Shikshana 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,

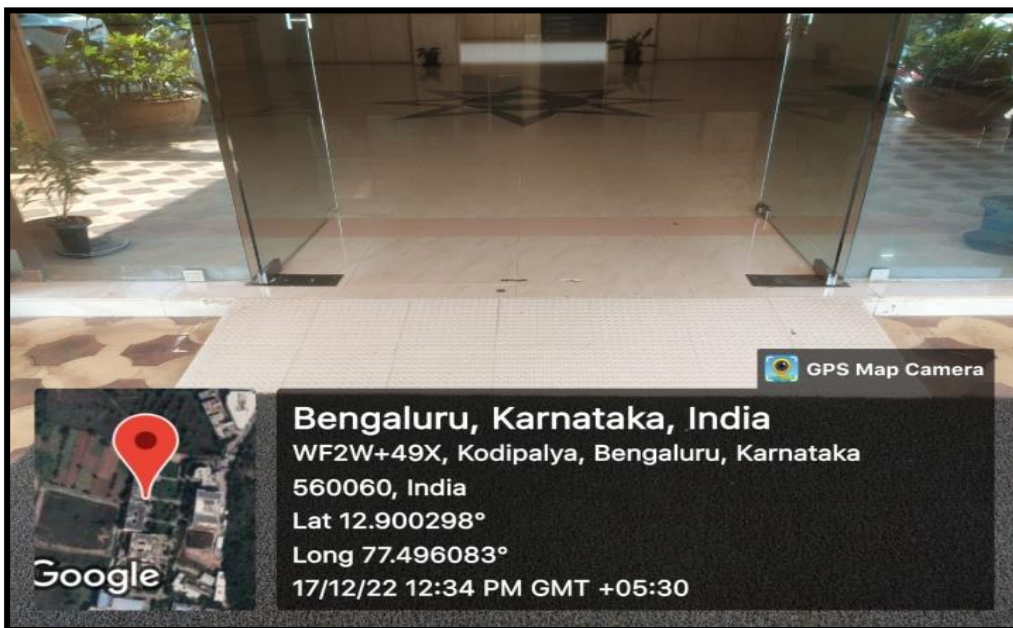
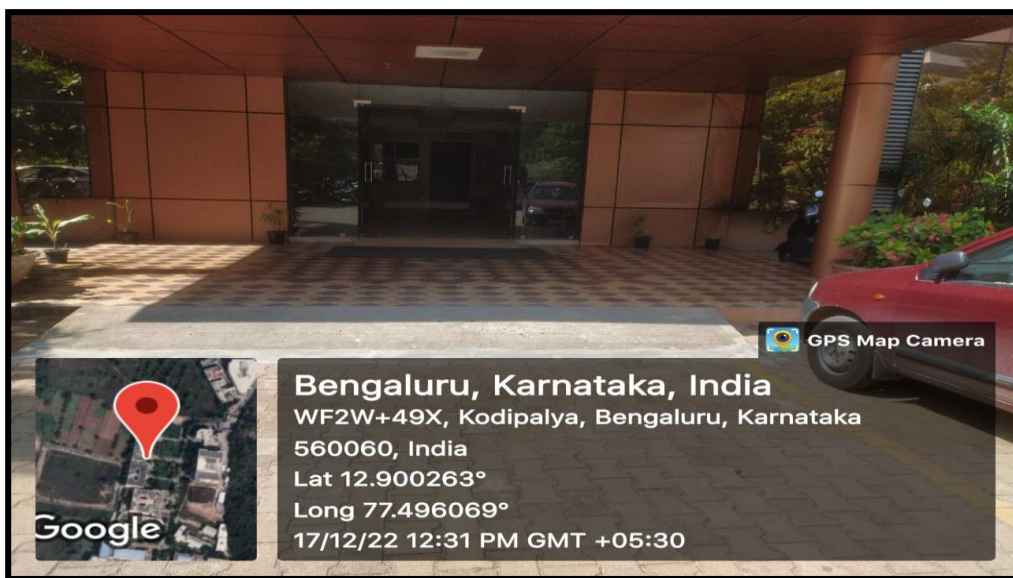
2(f) and 12(B) recognized by UGC, New Delhi.

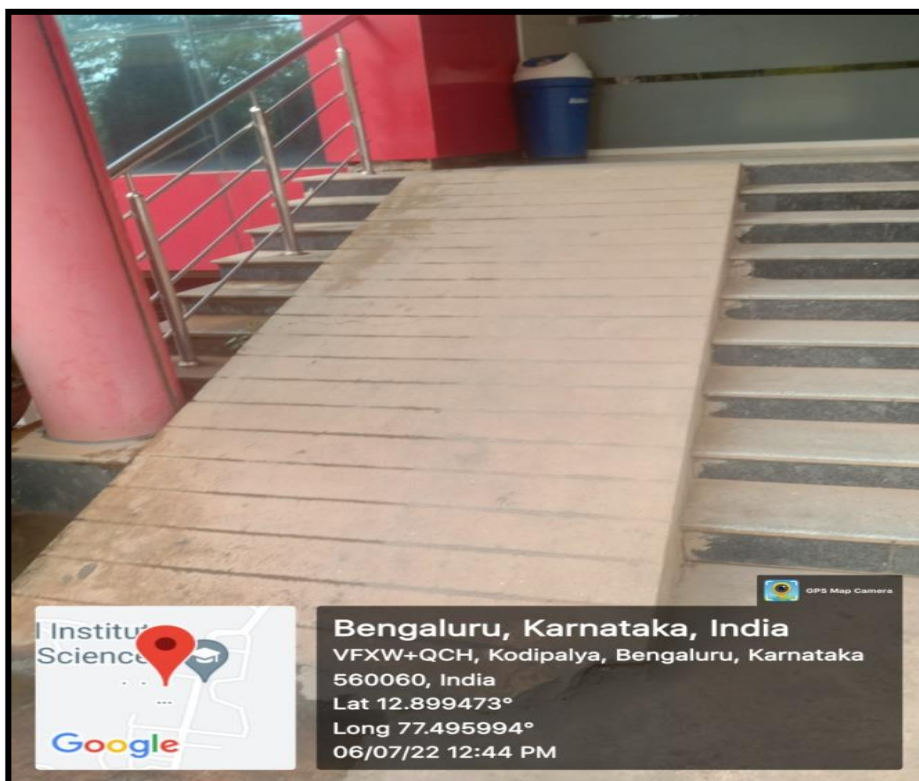
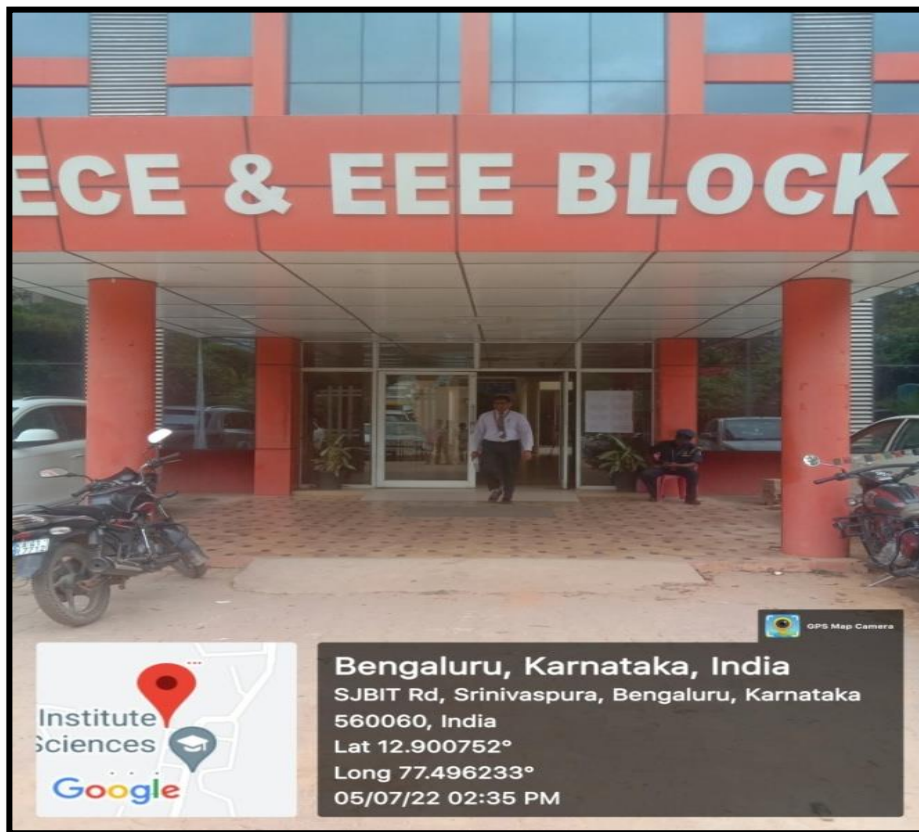
Accredited by NAAC, Accredited by NBA. Certified by ISO 9001-2015

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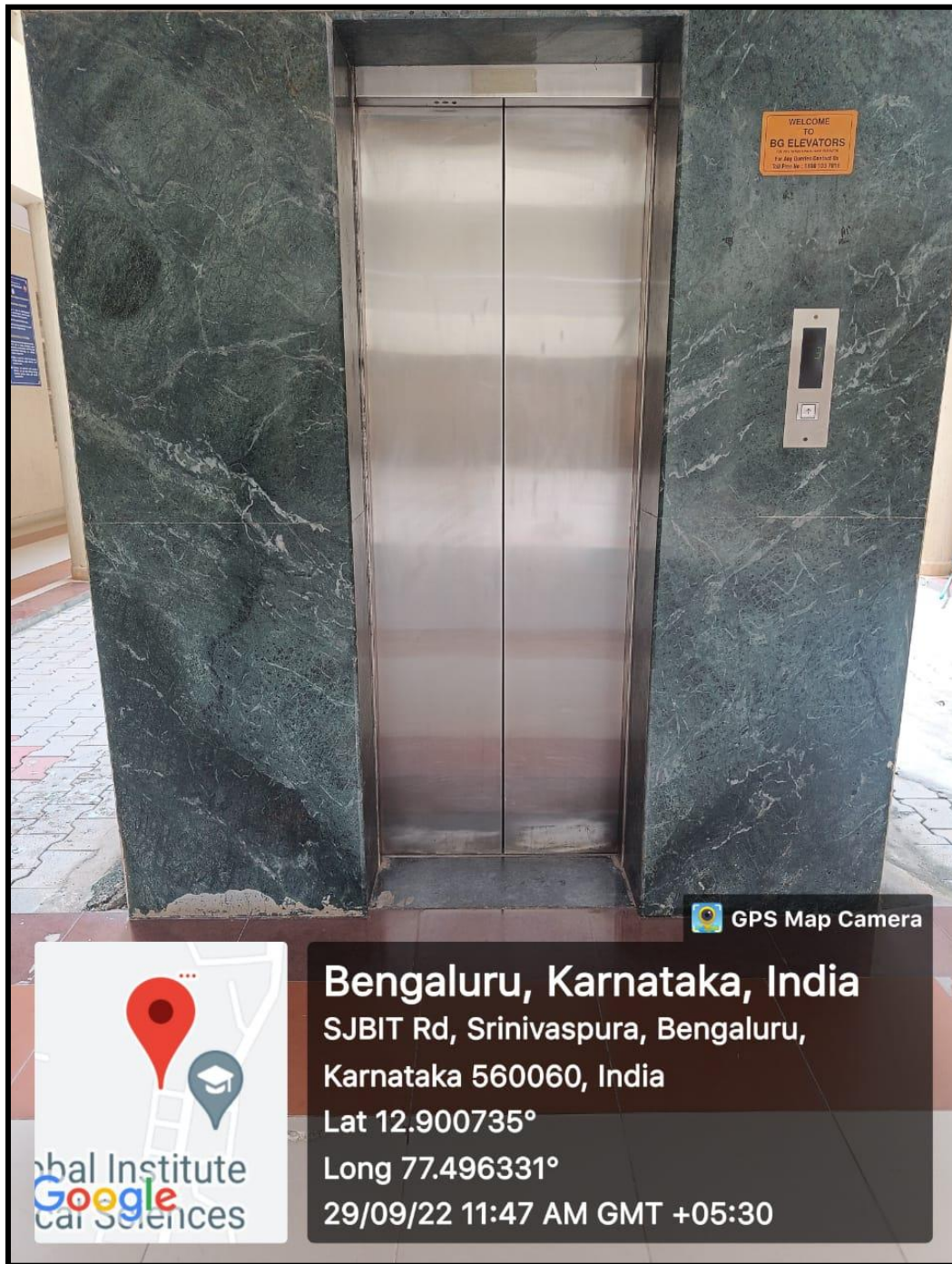
### **Disabled friendly barrier free environment**

SJBIT Provides the barrier free environment for physically disabled students by providing ramps at each block, lifts and disabled friendly toilets and lifts. Some glimpse are shown below





## Lift Facilities





GPS Map Camera



## Bengaluru, Karnataka, India

Bgs Global Institute Sjbit Eee & Ece Block,  
Kodipalya, Bengaluru, Karnataka 560060, India

Lat 12.900039°

Long 77.495783°

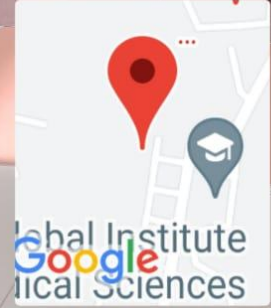
29/09/22 10:02 AM GMT +05:30



WELCOME  
TO  
BG ELEVATORS

7

GPS Map Camera



**Bengaluru, Karnataka, India**

WF2W+49X, Kodipalya, Bengaluru,  
Karnataka 560060, India

Lat 12.900842°

Long 77.496062°

29/09/22 11:47 AM GMT +05:30

## Physically disabled friendly toilets



## Electric Buggy Facility



II JAI SRI GURUDEVII

SRI ADICHUCHANAGIRI SHIKSHANA TRUST

**SJB INSTITUTE OF TECHNOLOGY**

Recognized by UGC, New Delhi with 2(f) AND 12(b)

(A constituent institution of BGS and SJB Group of institution and Hospitals)

#67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru – 560060.KARNATAKA, INDIA.

Mobile Number : +91-6366041109, Phone: +91-80-28612445/46, Fax:+91-80-28612651

Email: principal @ sjbit.edu.in



## **Policy Document for Disabled Friendly Barriers Free Environment**

SJB institute of technology has greater believes in *service to mankind, service to god* which recognizes the importance of creating an environment of understanding and mutual respect to dignity and worth of each person. In accordance with the Right of Persons with Disabilities Act, 2016 prohibits discrimination against individuals with physical and mental disabilities, SJBIT implemented these policies in teaching learning process where the persons with disabilities are valuable human resource for the institution and seeks to create an environment that provides equal opportunities, protection of their rights and full participation in the academic environment.

### **Objectives of the Policy**

- To ensure equal opportunity policy and to create a safer work environment
- To ensure the accessible amenities: By providing Ramps at entrance of each block, lift facilities electric buggy's and wheel chair for the need once.
- To ensure the accessibilities of need
- To ensure the accessibilities of educational needs;
- To ensure the Provision of guidance and counseling to differently abled individuals
- To ensure the provisions of facilities are accessible during examination

### **Facilities available in the SJBIT Campus**

1. Ramps: provided at the each block entrance for entry and exit
2. Lifts : Located to access the classrooms
3. Electric buggy's and Wheel chairs facilities are available
4. Proper text and pictogram signage such as tactile path, lights, display boards, signposts are located properly and visible
5. Rest Rooms: Separate toilets are available for people with disabilities. They are clearly identifiable and accessible
6. Assist differently-abled graduates to gain successful employment in the public as well as private sectors through our placement cell

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



SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R)

# SJB Institute of Technology

(Affiliated to Visvesvaraya Technological University, Belagavi, and Approved by AICTE - New Delhi and Accredited by NAAC - New Delhi with 'A' Grade, CGPA-3.22)

No 67, BGS Health & Education City, Dr. Vishnuvardhan Road, Kengeri, Bengaluru - 560 060

Ph : 080 - 2861 2445 / 6

Fax : 080 - 2861 2651

E-mail : principal@sjbit.edu.in

Web: www.sjbit.edu.in

Ref: SJBIT/ 810/22-23

Date: 29.09.2022

To BG Elevators and Escalators Pvt.Ltd.,  
No.782, 25<sup>th</sup> A Cross, 14<sup>th</sup> Main,  
Judicial Layout, GKVK Post,  
Bangalore-65. Mial ID:info@bgelevators.com  
Contact No;080-32328087.

Dear Sir

Sub: ANNUAL MAINTENANCE CONTRACT (AMC) for the period from 01<sup>st</sup> Jul. 2022 to 30<sup>th</sup> Jun. 2023 – Elevator installed at SJBIT CSE & EEE Blocks at BGS Campus – two systems.

Ref: JOB Offer Ltr.No. nil, MS Office ltr dtd:27.01.2022.

With reference to the subject, we are pleased to place the order for Maintenance of the above two number of passengers lift installed at the above institution. As per agreed between us, we are willing to continue for further ONE YEAR of AMC with effect from 01.07.2022 to 30.06.2023. The total Contract value fixed at Rs. 75,578/- (Rupees Seventy-Five Thousand Five Hundred and Seventy-Eight only) EXCLUSIVE OF APPLICABLE GST (based on Original PO value of Rs.1511564/- at 5%) till 2023-24 (for Five years). The other terms and conditions mentioned here as under:

## TERMS AND CONDITIONS:


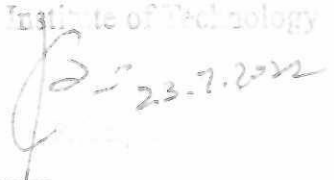
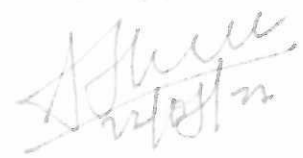

01. Annual Service Contract value is fixed at **Rs. 75,578/- p.a.** till 2023-24 Plus GST,
02. Should depute technically skilled persons to maintain & examine the elevator as and when Breakdown/service calls received.
03. The Company should visit minimum 12 times per annum (i.e., once in a month).
03. The scope of AMC is only for technical service/labor including oiling/reconditioning major components of the system. Required spares/components shall be indent well in advance in writing to the client institution for taking necessary approvals.
04. BG elevator should attend all service calls and attend all technical issues within 2 to 3 hours and there is no limitation to such calls. In case if you have not able to attend within the time, then the client institution will make good by attending some other equal agencies who are in the same field. Cost of such repairs shall deduct or recovered from you.
06. Statutory deductions are applicable at prevailing rates,
07. AMC service charges will be paid in TWO INSTALMENTS based on your bill and supporting service bills duly endorsed by the concerned engineer.

With regards,

DR. K.V. MAHENDRA PRASANTH,  
Principal,  
SJB Institute of Technology  
# 67, BGS Health & Education City,  
Dr. Vishnuvardhan Road,  
Kengeri, Bengaluru - 560 060.

Managing Director,  
SJB Institute of Technology,  
Managing Director  
BGS & SJB Group of  
Institutions and Hospitals

Principal  
SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

	<b>BG ELEVATORS &amp; ESCALATORS PVT. LTD.</b>					
	#99/3, 2nd Floor, 20th Main, 8th Cross, G Block, Sahakar Nagar, Bangalore - 560092					
	Email Id: info@bgelevators.com					
<b>TAX INVOICE</b>						
<b>Customer Details</b>						
Client Name: <b>SJB Institute of Technology</b>				Invoice No	<b>SALES00209/2022-23</b>	
Address: <b>#67, BGS Health &amp; Education City, Dr. Vishnuvardhan Road, Kengeri, Bangalore - 560060</b>				Date:	<b>11-Jul-2022</b>	
GST No :				GST No:	<b>29AAFCB0654B1Z2</b>	
PO No: <b>SJBIT/600/2021-22, Dt: 03/08/2021</b>				CIN No:	<b>U29253KA2012PTC064556</b>	
				Job No:	<b>110 &amp; 111</b>	
<b>Description</b>		<b>HSN No</b>	<b>Units</b>	<b>Unit Price</b>	<b>Amount</b>	
Charges for Lift Annual Maintenance Contract (SILVER) <b>AMC Period- 01/07/2021-30/06/2022</b> Lift Service Charges for 4th Quarter- Apr. May & Jun		998718	2	₹ 9,447.25	₹ 18,894.50	
<p>NOTE:- This Warranty covers for Manufacturing Defects alone &amp; not any Physical Damage are burnt parts due to High Voltage Or water entry, Old replaced parts belongs to BG Elevators</p> <p><b>Beneficiary Bank Details:</b> A/c Name: BG Elevators &amp; Escalators Pvt. Ltd. Bank &amp; Branch : Yes Bank, Sahakar Nagar, Bangalore. A/c No: 051383800000382 IFSC Code: YESB0000513</p>						
<b>In Words: Rupees TwentyTwo Thousand Two Hundred Ninety Six Only</b> 		<b>Sub Total</b>		₹	<b>18,894.50</b>	
		<b>CGST</b>		9%	₹	<b>1,700.51</b>
		<b>SGST</b>		9%	₹	<b>1,700.51</b>
		<b>Adjust</b>			₹	<b>0.49</b>
		<b>Total Amount</b>		₹	<b>22,296.00</b>	
		<b>Received Amount</b>		Nil		
		<b>Payable Amount</b>		₹	<b>22,296.00</b>	
<b>Terms &amp; Conditions:</b> 1. Interest will be charged @ 24 % P/A if Payment not received within 30 days. 2. Dishonoured Cheque will be charged Rs. 1000 3. All Disputes Subject to Bangalore Jurisdiction only. <b>Declaration:</b> GOODS ONCE SOLD CAN NOT BE RETURNED OR EXCHANGED. Warranty for items covers for Manufacturing Defects alone & not any Physical Damage or Burnt parts due to High Voltage. No Exchange, Replacement or Refund will be provided for Damaged items without Manufacturer's consent. If item damaged by customer is Repairable, Service Charges to be borne by Customer.						
 <b>Receiver's Signature</b>			<b>For BG Elevators &amp; Escalators Pvt. Ltd.</b>  <b>Authorised Signatory</b>			

# Certificate of Work Complete

Toll Free No : 1800 103 7018



Date 26/04/22

Bldg. Name: BGS Institute

Location 120965

Job No. 110

Contact No. 9438558546

Route No. 3

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☐

Complaint Number

Arrival Time

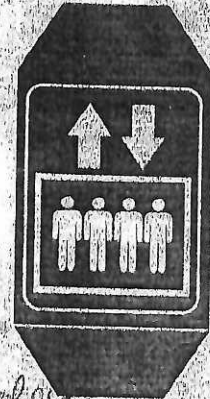
Departure Time

Repairs

Spare Parts

Date Started 26/04/22

Date Completed 26/04/22



Repairs / Call back / Examination details mentioned below

oil jring oil floor steel cables and Borelog  
to be used to change and working source connected to floor  
working

Service Representative [Signature]

Service Incharge [Signature]

Customer / Representative [Signature]

SPEED EXPERTISE CONCERN

Contact No. 901995561

Name:

Contact No

Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

# Certificate of Work Complete

Toll Free No : 1800 103 7018



Date 94/05/2022

122065

Bldg. Name: BGS Institute

Location Kengeri

Job No. 110

Contact No. 9901024810

Route No. (2)

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☐

Complaint Number

Arrival Time

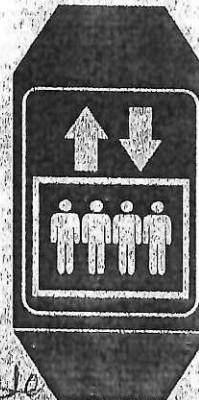
Departure Time

Repairs

Spare Parts

Date Started 94/05/22

Date Completed 94/05/22



Repairs / Call back / Examination details mentioned below

oil greasing and floor steel cables A/D cable

load not working carried out L/D is working

[Signature]

[Signature]

[Signature]

Service Representative

Service Incharge

Customer / Representative

SPEED EXPERTISE CONCERN

Contact No. 9019948861 Name:

Contact No

# Certificate of Work Complete

Toll Free No : 1800 103 7018



Date 16/06/2022

Bldg. Name: BGS Institute

Location Kengeri

Job No. 110

Contact No. 9901024810

Route No. (2)

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☒

Complaint Number

Arrival Time

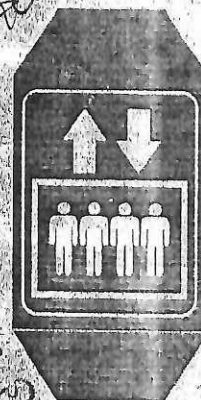
Departure Time

Repairs

Spare Parts

Date Started 16/06/22

Date Completed 16/06/22



Repairs / Call back / Examination details mentioned below

3rd floor landing door close and door coming

can door adjust near A/D door working service  
carried out L/D is working

[Signature]

[Signature]

[Signature]

Service Representative

Service Incharge

Customer / Representative

SPEED EXPERTISE CONCERN

Contact No. 9019948861 Name:

Contact No

Principal

SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

# Certificate of Work Complete

Toll Free No : 1800 103 7018



Date 96/04/2022

Bldg. Name: BGS Institute

Location 120966

Job No. 111

Contact No. 9978588596

Route No. (3)

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☐

Complaint Number

Arrival Time

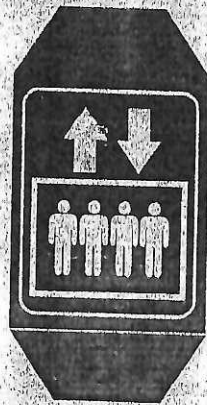
Departure Time

Repairs

Spare Parts

Date Started 96/04/22

Date Completed 96/04/22



Repairs / Call back / Examination details mentioned below

on going all floor still closed and

also PI checked and found correct and left is working

Service Representative Ravi

Service Incharge SR

Customer / Representative for BGS

SPEED EXPERTISE CONCERN

Contact No. 901999261 Name:

Contact No.

# Certificate of Work Complete

Toll Free No : 1800 103 7018



Date 9/10/2022

Bldg. Name: BGS Institute

Location 122067

Job No. 111

Contact No. 9901084820

Route No. (3)

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☐

Complaint Number

Arrival Time

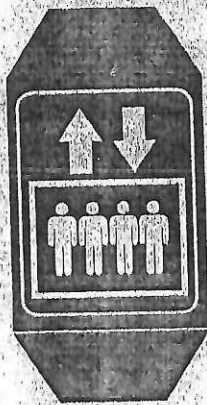
Departure Time

Repairs

Spare Parts

Date Started 9/10/22

Date Completed 9/10/22



Repairs / Call back / Examination details mentioned below

Sensor box problem and working

Sensor connected and left is working

Service Representative Ravi

Service Incharge SR

Customer / Representative for BGS

SPEED EXPERTISE CONCERN

Contact No. 901999261 Name:

Contact No.

**Principal**  
**SJB Institute of Technology**  
**BGS Health & Education City**  
**No. 67, Uttarahalli Road, Kengeri**  
**Bangalore South - 560 060**

# Certificate of Work Completion

Toll Free No : 1800 103 7018



Date 17/6/22

Bldg. Name: BGS Institute

Location 12th Cross

Job No. 111

Contact No. 99 0109 1810

Route No. 011

Following work has been carried out on above mentioned elevator/s

Preventive Maintenance ☒

Break Down Call ☒

Complaint Number

1800 103 7018

Arrival Time

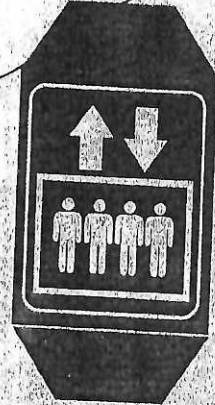
Departure Time

Repairs

Spare Parts

Date Started

Date Completed



Repairs / Call back / Examination details mentioned below

New Service Repaired Working done

Call Back done Service done

SPEED EXPERTISE CONCERN

Service Representative

Contact No. 901995 5365

Service In-charge

Name: [Signature]

Customer / Representative

Contact No

105  
Principal  
SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

**For BG Elevators & Escalators Pvt. Ltd.**

**Regd Office : 782, 25<sup>th</sup> 'A' Cross, 14<sup>th</sup> Main, Judicial Layout, G.K.V.K Post, Bangalore - 560065**  
**Corp Office : #99/3, 2<sup>nd</sup> Floor, 20<sup>th</sup> Main, 8<sup>th</sup> Cross, 'G' Block, Sahakar Nagar, Bangalore - 560092**



SRI ADICHUNCHANAGIRI SHIKSHANA TRUST (R.)  
**SJB Institute of Technology**

(Affiliated to Visveswaraya Technological University, Belgaum and Approved by AICTE - New Delhi)  
 Accredited by National Board of Accreditation (NBA)

**BGS HEALTH & EDUCATION CITY**

No. 67, Uttarahalli Road, Adjacent to Abhiman Studio, Kengeri, Bangalore South - 560 060.

Phone : 080-28612445 / 46  
 Fax : 080-28612651

Web : www.sjbit.edu.in  
 E-mail : principalofsjbit@gmail.com  
 principal@sjbit.edu.in

Ref : SJBIT / Acct 153/12-12

**Purchase Order**

Date : 09/11/2012

To,  
 BG Elevators & Escalators (P) Ltd  
 #782, 25<sup>th</sup> A Cross  
 14<sup>th</sup> Main, Judicial layout  
 GKVK Post, Yelahanka  
 Bengaluru-65.

Sir,

**Sub: Placement of Order for Supply of 2 No's 6 Passenger Elevators to SJBIT CSE/ISE & ECE/EEE Blocks**

With reference to the above, SJBIT Management is pleased to place order for Supply of following items at the earliest.

SI No	Description	Qty	Unit price	Amount
1	6 Passenger, Ground+3 Stops, 0.70 mps, Machine Room, Stainless Steel Auto Centre Opening Door, Design, Supply, Erection, Testing and Commissioning	01	675782.00	675782.00
2	6 Passenger, Ground+4 Stops, 0.70 mps, Machine Room, Stainless Steel Auto Centre Opening Door, Design, Supply, Erection, Testing and Commissioning	01	735782.00	735782.00
3	Automatic Rescue device (ARD)	02	50000.00	100000.00
				<b>1511564.00</b>

(Rupees-Fifteen Lakhs Eleven Thousand Five Hundred & Sixty Four Only)

**Terms & Condition**

1. Vat: 14.5% Extra
2. Payment: 25% of against Purchase Order  
 50% of against delivery of material at site  
 15 % of after completion of installation & commissioning the elevator  
 10% of after Successful running of elevator and Electrical license & Inspection of elevator
3. Delivery : Two Months from the date of purchase Order
4. Guarantee Period : 24 months
5. Technical Description : enclosed annexure-I & II
6. Included this price

- a. Overhead alarm Systems
- b. Lift electrical license & electrical inspector fee

**SJB Institute of Technology**  
**BGS Health & Education City**  
 No. 67, Uttarahalli Road, Kengeri  
 Bangalore South - 560 060

*[Signature]*  
 10.11.12

*[Signature]*  
 Managing Director  
 SJB Institute of Technology  
 BGS Health & Education City  
 No. 67, Uttarahalli Road, Kengeri  
 Bangalore South - 560 060.

1511564  
 37500

# BG ELEVATORS And Escalators Private. Limited

## HANDOVER CERTIFICATE

We are pleased to inform that we have successfully completed the installation of SJB Institute Of Technology elevators at Kengeri, on 30/04/2014 bearing Contract No 00110/00111. Our team of experts have carried out all required functional and safety tests on the equipment and found it to be satisfactory in line with the highest standards set by BG.

With immediate effect, our service department would be maintaining the elevator/s providing free BG service for a period of 12 months, commenced on 30/04/2014 to 29/04/2015. Before completion of the free service period we urge you to enter into annual maintenance contract with us to ensure that the elevators are uninterruptedly service, well maintained for trouble free operations and passenger safety.

In order to prolong the life of the equipment, minimize breakdowns and further improve the service being rendered to you, we seek your kind cooperation in attending to the item of work circled in the list "Recommendations To The Owner" printed on the reverse of this Certificate.

For any technical assistance or help, please call the BG service center closest to you or you may contact BG line at 07676258087/9886169695/080-32328087

Customer's Signature:

Name:



For BG Elevator And Escalators Pvt. Ltd.

*[Signature]*  
F. O. D Manager

*[Signature]*  
**Principal**  
**SJB Institute of Technology**  
**BGS Health & Education City**  
**No. 67, Uttarahalli Road, Kengeri**  
**Bangalore South - 560 060**

*NB: This certificate is issued in line with the agreed contractual obligation.*

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Customer's Signature:

Name:



For BG Elevator And Escalators Pvt. Ltd.

F. O. D Manager

  
Principal  
SJB Institute of Technology  
BGS Health & Education City  
No. 67, Uttarahalli Road, Kengeri  
Bangalore South - 560 060

*NB: This certificate is issued in line with the agreed contractual obligation.*