


# SUNSHUBH TECHNOVATIONS PVT LTD

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

WATER	ENERGY	POLLUTION	ORGANIC	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	

Certified Energy Auditors. Govt. Of India (EA 3485), ISO50001 & 14001 Lead Auditor

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**Criteria 7.1.6**

## ENERGY AUDIT COMPLETION CERTIFICATE

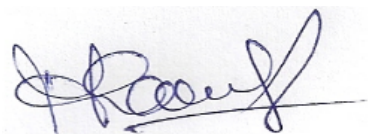
I, Mallikarjun A Kambalyal, endorse and confirm that the Energy Audit for the KLE's Jawaharlal Nehru Medical College Belagavi has been carried out on 5<sup>th</sup> to 8<sup>th</sup> Dec 2022 under the instructions of Registrar, KAHER. Belagavi. KARNATAKA

This report is generated based on the site visits and evidence collected from the site and this completion certificate is issued in compliance with *Criteria 7.1.6*.

All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended throughout the campus. The focus is also laid to make positive impact on the society for a better living.

This report is tabled in two parts. The first forms the core discussions which are subject specific under the statutory requirements of the NAAC accreditation norms. The second section is geographical conditions impacting the performance of the audit objectives.

Any modifications, changes, omissions after the site visit shall be exclusive.



**Authorised Auditor.**

**Mallikarjun A. Kambalyal** B.E (E&C)

**Certified Energy Auditors EA-3485& ISO 50001:2011 & ISO14001:2015 Lead Auditor.**

Date: 12<sup>th</sup> Dec 2022


### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tonnes of paper will be saved every day. This is equivalent to saving 2748.54 tonnes of wood a day. This will lead to saving about 33,00,678 trees per year,

SO LET US ALL USE BOTH SIDES OF THE SHEET.

# SUNSHUBH TECHNOVATIONS PVT LTD

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

<b>WATER</b>	<b>ENERGY</b>	<b>POLLUTION</b>	<b>ORGANIC</b>	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	

Certified Energy Auditors. Govt. Of India (EA 3485), ISO50001 & 14001 Lead Auditor

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**Criteria 7.1.6**

## ENVIRONMENT AUDIT COMPLETION CERTIFICATE

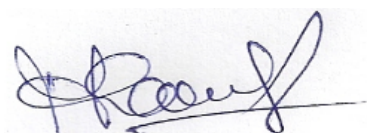
I, Mallikarjun A Kambalyal, endorse and confirm that the Environment Audit for the KLE's Jawaharlal Nehru Medical College Belagavi has been carried out on 5<sup>th</sup> to 8<sup>th</sup> Dec 2022 under the instructions of Registrar, KAHER. Belagavi. KARNATAKA

This report is generated based on the site visits and evidence collected from the site and this completion certificate is issued in compliance with *Criteria 7.1.6*.

All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended throughout the campus. The focus is also laid to make positive impact on the society for a better living.

This report is tabled in two parts. The first forms the core discussions which are subject specific under the statutory requirements of the NAAC accreditation norms. The second section is geographical conditions impacting the performance of the audit objectives.

Any modifications, changes, omissions after the site visit shall be exclusive.



**Authorised Auditor.**

**Mallikarjun A. Kambalyal** B.E (E&C)

**Certified Energy Auditors EA-3485& ISO 50001:2011 & ISO14001:2015 Lead Auditor.**

Date: 12<sup>th</sup> Dec 2022


THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tonnes of paper will be saved every day. This is equivalent to saving 2748.54 tonnes of wood a day. This will lead to saving about 33,00,678 trees per year,

SO LET US ALL USE BOTH SIDES OF THE SHEET.

# SUNSHUBH TECHNOVATIONS PVT LTD

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

<b>WATER</b>	<b>ENERGY</b>	<b>POLLUTION</b>	<b>ORGANIC</b>	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	
Certified Energy Auditors. Govt. Of India (EA 3485), ISO50001 & 14001 Lead Auditor				

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**Criteria 7.1.6**

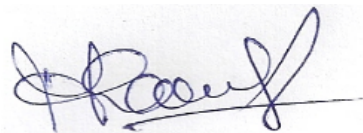
## GREEN AUDIT COMPLETION CERTIFICATE

I, Mallikarjun A Kambalyal, endorse and confirm that the Green Audit for the KLE's Jawaharlal Nehru Medical College Belagavi has been carried out on 5<sup>th</sup> to 8<sup>th</sup> Dec 2022 under the instructions of Registrar, KAHER. Belagavi. KARNATAKA

This report is generated based on the site visits and evidence collected from the site and this completion certificate is issued in compliance with *Criteria 7.1.6*.

All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended throughout the campus. The focus is also laid to make positive impact on the society for a better living.

This report is tabled in two parts. The first forms the core discussions which are subject specific under the statutory requirements of the NAAC accreditation norms. The second section is geographical conditions impacting the performance of the audit objectives. Any modifications, changes, omissions after the site visit shall be exclusive.



**Authorised Auditor.**

**Mallikarjun A. Kambalyal** B.E (E&C)

**Certified Energy Auditors EA-3485& ISO 50001:2011 & ISO14001:2015 Lead Auditor.**

Date: 12<sup>th</sup> Dec 2022

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tonnes of paper will be saved every day. This is equivalent to saving 2748.54 tonnes of wood a day. This will lead to saving about 33,00,678 trees per year,

SO LET US ALL USE BOTH SIDES OF THE SHEET.

# Energy Audit

## Compliance Report 2020 – 21

in compliance with the statutory requirements under the NAAC accreditation procedures



Principal Lead Auditor:  
Mallikarjun A Kambalyal. CEA, ISO 50001, 14001 Lead Auditor.

Audited by:  
**SUNBSHUBH TECHNOVATIONS PVT LTD.,**  
120-2, LGF, 'A' wing, IT Park,  
Hubli – 580029. Karnataka. India.  
German off: Neuer Weg 166, 47803 Krefeld,  
Dusseldorf. Germany Anbieter-Nr 1041388





ENERGY AUDIT REPORT - 2021


---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

**SUNSHUBH TECHNOVATIONS PVT LTD**

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

WATER	ENERGY	POLLUTION	ORGANIC	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	
Certified Energy Auditors. Govt. Of India (EA 3485), ISO 50001, ISO 14001 Lead Auditor				

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**ENERGY AUDIT COMPLIANCE CERTIFICATE**

We, certify that this compliance report is based on the site visits and evidence collected from the site. Any modifications, changes, omissions after the site visit shall be exclusive. All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended to out of campus. The focus is also laid to make positive impact on the society for a better living. In case the institution needs demonstration, we shall be happy to do so. We present this report to fulfil the citizens moral responsibilities much more than the legal or mandatory compliances.

Work order : Ref No. MDC/ELECT/1515 Dated – 21/11/2019

Date of Audit : 24<sup>th</sup> Feb 2020 to 29<sup>th</sup> Feb 2020.

Conducted by:

Mallikarjun A. Kambalyal B.E (E&amp;C)

Certified Energy Auditors EA-3485&amp; ISO 50001:2011 &amp; ISO14001:2015 Lead Auditor.

**SUNSHUBH TECHNOVATIONS PVT LTD.,**

#120-2, 131/2 'A' Wing, IT Park, Opp. Glass House,

Hubli-580029, KARNATAKA INDIA

Ph: 0836-2350505, +91 9449033505 Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com)Website: [www.sunshubhrenewables.com](http://www.sunshubhrenewables.com)THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,

SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

ENERGY AUDIT REPORT - 2021

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## BUREAU OF ENERGY EFFICIENCY



Examination Registration No. : **EA-3485** Serial Number **2838**

Certificate Registration No. : **2838**

### Certificate For Certified Energy Manager

This is to certify that Mr./Mrs./Ms. **Mallikarjun A Kambalyal**  
Son/Daughter of Mr./Mrs. **Andanappa V Kambalyal** who has passed the National  
Examination for certification of energy manager held in the month of **April 2006** is  
qualified as certified energy manager subject to the provisions of Bureau of Energy Efficiency  
(Certification Procedures for Energy Managers) Regulations, 2010.

This certificate shall be valid for five years with effect from the date of award of this certificate  
and shall be renewable subject to attending the prescribed refresher training course once in every  
five years.

His /Her name has been entered in the Register of certified energy manager  
at Serial Number **2838** being maintained by the Bureau of Energy Efficiency under the  
aforesaid regulations.

Mr./Mrs./Ms. **Mallikarjun A Kambalyal** is deemed to have qualified  
for appointment or designation as energy manager under clause (I) of Section 14 of the Energy  
Conservation Act, 2001 (Act No.52 of 2001).

Given under the seal of the Bureau of Energy Efficiency, this **7<sup>th</sup>** day  
of **February, 2013**

Secretary  
Bureau of Energy Efficiency  
New Delhi

Dates of attending the refresher course	Secretary's Signature	Dates of attending the refresher course	Secretary's Signature
<b>28.01.2020</b>			

Bureau of Energy Efficiency Regd No: EA3485

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## Certificate of Successful Completion

**Intertek**

*This is to Certify that*

**MALLIKARJUN A KAMBALYAL**

*has successfully completed the*

**Intertek**

### **CQI & IRCA Certified ISO 14001:2015 Auditor Conversion Training Course**

*The Course includes the assessment and evaluation of Environmental Management Systems to conform to the requirements of ISO 14001:2015 and ISO 19011:2011*

*This course is certified by the Chartered Quality Institute (CQI) and the  
International Register of Certificated Auditors (IRCA)  
– IRCA REFERENCE 18093 –*

*The course meets the training requirements for individuals seeking certification  
under the IRCA Auditor Certification Schemes*



Authorising Signature: *Vyoma Astumova*

Course Dates: 14<sup>th</sup> – 16<sup>th</sup> July 2017

Certificate Number: 47730

Membership Application To Be Made Within 3 Years From Last Day of Course



121807

ISO Certified Lead Auditor. Certificate No: 47730

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**ISO Certified Lead Auditor. Certificate No: ENR-00253448**

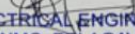
THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

EXECUTIVE SUMMARY.

ENERGY AUDIT				
Observations/Recommendations.	Status	Complied	In progress	To be Complied
Loose contacts	tightned with brass and steel nuts	Complied		
Unbalanced load management	voltage and load are balanced in each phase.	Complied		
Illumination management	florocents are replaced with LED Lights	Complied		
Visibility	good	Complied		
Occupancy sensors	has motor,street light and water heater sensors	Complied		
Electrical safety	glows and shoes with neccesory equipments provided	Complied		
Cable management.	with proper trench we are placing the UG cable.	Complied		
Panel board management.		Complied		
Fuel management		Complied		
Fire safety	abc,co2,etc cylinders and 10kg 2 mobile cylinders are purchased.all cylinders are up to date,and also have smoke detectors sensors in certain labs.	Complied		
Power station management		Complied		
Earthing systems operation.	adding some extra pits at required weak earthing area	Complied		
Heat pump operation.	operating on timer relay.	Complied		

  
ELECTRICAL ENGINEER  
JNMC, BELAGAVI

Comments

The college team has confirmed by mail and the compliance table is made available for that the recommendations. The same have been reviewed and have been verified.

We have gathered evidence and reproduced the same along with our comments for acceptance and/or for further improvements.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

## Check list for Compliance

The report is supplementary to the original report and should be read and compared to the observations made accordingly.

Sl No.	Observation	Compliance remarks with evidence.
1	GREEN ENERGY PLEDGE	Executed as below.
		

### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**DISCUSSIONS:**

Renewable energy

The institute has been promoting Green Energy by purchasing renewable energy through third party initiatives. The agreement signed and the Utility bills indicate that the institution plans of increasing the stake in green power.

**HUBLI ELECTRICITY SUPPLY COMPANY LIMITED**  
(Wholly owned Government of Karnataka Undertaking)

TO: The Principal JNMCC,  
Nehru Nagar, Belagavi.  
Belagavi.

Bill for the month of: Sep-2020  
Bill Date: 02.10.2020  
Payable on or before: 14.10.2020  
Disconnection Date: 02.11.2020

"REVISED BILL"  
(As per General Manager (Tech), HESCOM, Hubli OM No. CYS-2197 DT 24.09.2020)

Installation Information		RR No:	Tariff Type:	HT-2 c II	Voltage Class:	11KV	Contract Demand:	1125	Meter Const:	4000	85% of CD:	956.25
Time zone (Hrs)	Recorded demand in (kva)	Energy (kwh) Final Reading	Energy (kwh) Initial Reading	Difference	Total Consumption	Actual Consumption as per 15 min block period	Actual Open access units	units after deducting open access	wheeling Non captive energy in units	HESCOM units to be billed	PF	
06 to 10	0.0821	234.80	228.25	6.55	39300	0	0	39300	34000	3300		
10 to 18		585.04	570.13	14.93	89580	0	0	89580	80000	9580		
18 to 22		285.33	277.73	7.60	45600	0	0	45600	38000	7600		
22 to 06	492.6000	429.11	417.11	12.00	72000	0	0	72000	51000	21000		0.983
Total		1534.30	1493.22	41.08	244480	0	0	244480	205000	41480		
SUB Meter-1		43942	43416	546	32760					32760		
SUB Meter-2		0	0	0	0					0		
SUB Meter-3		0	0	0	0					0		
SUB Meter-4		0	0	0	32760					32760		
Net Consumption					213720	0	0	244480	205000	8720		
Demand Charges								9.6 KVA @ Rs.	210	2007.60.00		
Demand Charges								0 KVA @ Rs.	420	0.00		
Demand Penalty Charges										200.760		
Total												
Energy Charges for Tax purpose	Slab 1	Upto	100000 units	HT 2cII	100000 Units @ Rs.	7.80	780000					
	Slab 2	Above	100000 units	HT 2cII	113720 Units @ Rs.	8.20	932504					
	Slab 1	Upto	200000 units	HT 2b	32760 Units @ Rs.	8.65	283374					
	Slab 2	Above	200000 units	HT 2b	0 Units @ Rs.	8.75	0					
Total					244480		1,995,878					
Energy Charges for Billing purpose	Slab 1	Upto	100000 units	HT 2cII	8720 Units @ Rs.	7.80	68016					
	Slab 2	Above	100000 units	HT 2cII	0 Units @ Rs.	8.20	0					
	Slab 1	Upto	200000 units	HT 2b	32760 Units @ Rs.	8.65	283374					
	Slab 2	Above	200000 units	HT 2b	0 Units @ Rs.	8.75	0					
Total					41480		351,390					
TOD Billing	04.00 Hrs to 10.00 Hrs				3300 Units @ Rs.	1.00	3300					
	10.00 Hrs to 18.00 Hrs				9580 Units @ Rs.	0.00	0					
	18.00 Hrs to 22.00 Hrs				7600 Units @ Rs.	1.00	7600					
	22.00 Hrs to 04.00 Hrs				21000 Units @ Rs.	-1.00	-21000					
TOD Charges					41480		-10,100					
Total Energy Charges							341,290					
Fuel Adjustment Cost	@0Ps/Unit				41480 Units @ Rs.	0.06	2489					
Cross subsidy charges					0 Units @ Rs.	1.90	0					
P.F.Surcharge (for power factor lesser than 0.90 lag)				Difference = -8.3	41480 Units @ Rs.	0.03	0					
H.V.Rebate					0 Units @ Rs.	-0.02	0					
Total Power Supply Charges							544,539					
Electricity Tax on energy charges					1,995,878 @ 9%		179,629					
Wheeling Energy tax(Captive)	@10ps/unit				Units @ Rs.	0.00	0					
Wheeling Energy tax(Non-Captive)	@13ps/unit			Additional Surcharge	205000 Units @ Rs.	0.15	30,750					
Total Charges for the month							754,918					
Audit Short Claim							0					
Arrears							0					
Interest on tax arrears							0					
Interest on revenue arrears							946					
Reconnection Charges/meter reading charges							1,000					
Interest on Deposit							0					
TDS(-)							0					
NET PAYABLE AMOUNT	In Words						756,864					

For HESCOM Ltd.,  
Assistant Executive Engineer (elc)  
O&M City Sub division 3, HESCOM, Belagavi

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

ಹುಬ್ಬಳ್ಳಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿರ್ಮಿತ  
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸ್ವಾಮ್ಯ ಒಳಪಟ್ಟಿದೆ)  
ನಿಗಮ ಕಚೇರಿ, ಪೂರ್ವ ಬೆಂಗಳೂರು ರಸ್ತೆ, ನವನಗರ,  
ಹುಬ್ಬಳ್ಳಿ

Mobile No: 94483 70226 / 94490 81957  
website : <https://www.hescom.karnataka.gov.in>



**HUBLI ELECTRICITY SUPPLY  
COMPANY LIMITED**

(Wholly owned Government of Karnataka undertaking)

Corporate Office, P.B. Road, Navanagar,

**HUBBALLI**

e-mail 1 : [gnt.hescom@gmail.com](mailto:gnt.hescom@gmail.com);

e-mail 2 : [ceptic.hescom@gmail.com](mailto:ceptic.hescom@gmail.com);

CIN: U31401KA2002SGC030437

No: HESCOM/GM(T)/PTC/1841/20-21/ **CYS-2196** . Date **24 SEP 2020**

### OFFICIAL MEMORANDUM

**Sub:** Allotment of wheeled energy generated by M/s. Doddanavar Global Energy Pvt. Ltd., 47MW WPP at Chikkodi Tq, Belgaum Dist., for the month of September - 2020.

**Ref:** 1. The Firm's 'C' Form No: DGEPL/W&B/C-Form/HESCOM/20-21/06A Dated: 19.09.2020

As per the consent vide letter under reference approval is hereby accorded to wheel the energy to the following installation to the extent noted against it for the month of September - 2020.

Sl No.	Name & Address of the Consumer	Division/ Sub-Division	Captive/ Non-Captive	RR. No	Time Slots	Units allotted in KWH
1.	M/s. Southern Ferro Steels Ltd Belur Indl Area, Dharwad.	Dharwad/ RSD	Non-Captive	DRHT-13	6AM to 10AM	1,40,000
					10AM to 6PM	2,80,000
					6PM to 10 PM	80,000
					10PM to 6 AM	0
2.	M/s. Tata Marcopolo Motors Ltd., Belur Indl Area, Dharwad.	Dharwad/ RSD		DRHT-74	6AM to 10AM	71,680
					10AM to 6PM	1,56,160
					6PM to 10 PM	28,160
					10PM to 6 AM	0
3.	M/s. Tata Motors Ltd., Belur Indl Area, Dharwad.	Dharwad/ RSD		DRHT-24	6AM to 10AM	22,000
					10AM to 6PM	36,000
					6PM to 10 PM	25,000
					10PM to 6 AM	47,000
4.	The Chairman, Arihant Sahakari Javali Girani Niyamit	Chikkodi/ Sadalaga		SDGHT-38	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	
5.	The Principal, JNMC, Nehru Nagar, Belagavi	CSD-3 / Belagavi		HTS-46	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	
6	Vijayakanth Dairy & Food Products Ltd	Bailhongal		BHL-HT-43	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	

#### This allotment of wheeling energy is subject to the following conditions:

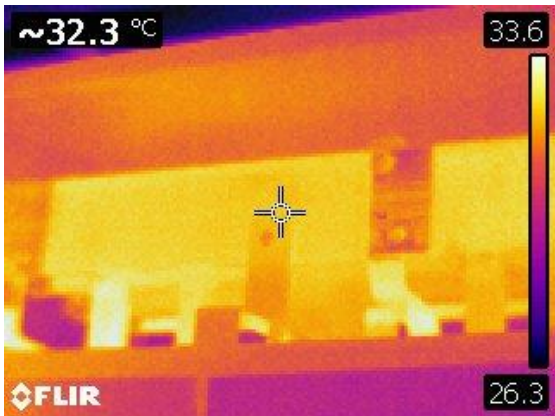
1. Rebate on wheeling units is not applicable as per tariff order.
2. This quota of energy does not require billing as it is allotted from the energy banked by IPPs from their power plants. This quota of energy does not attract fuel escalation charges also.
3. This is however subject to verification of post audit/ HT audit.
4. This wheeled energy allotted does not attract any additional 2 MMD charges.
5. This quota of energy wheeled to those Industrial consumers for whom KPTCL / HESCOM Ltd., has permitted to pay arrears in installments or at a later date and paid in time. But this should not be wheeled to installations having arrears due to pending Court Cases, appeals etc., and also to those installations having arrears for which KPTCL / HESCOM has not permitted installment facility.

ನೋಂದಾಯಿತ ಕಛೇರಿ: ನಿಗಮ ಕಛೇರಿ, ಪಾವನನಗರ, ಪಿ.ಬಿ. ರೋಡ್, ನವನಗರ, ಹುಬ್ಬಳ್ಳಿ - 580 025  
Registered Office: Corporate Office, HESCOM, P.B. Road, Navanagar, Hubballi - 580 025

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

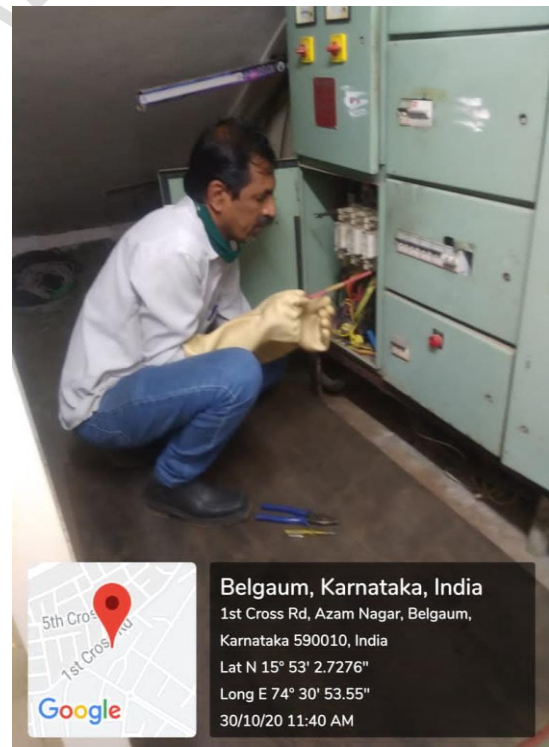
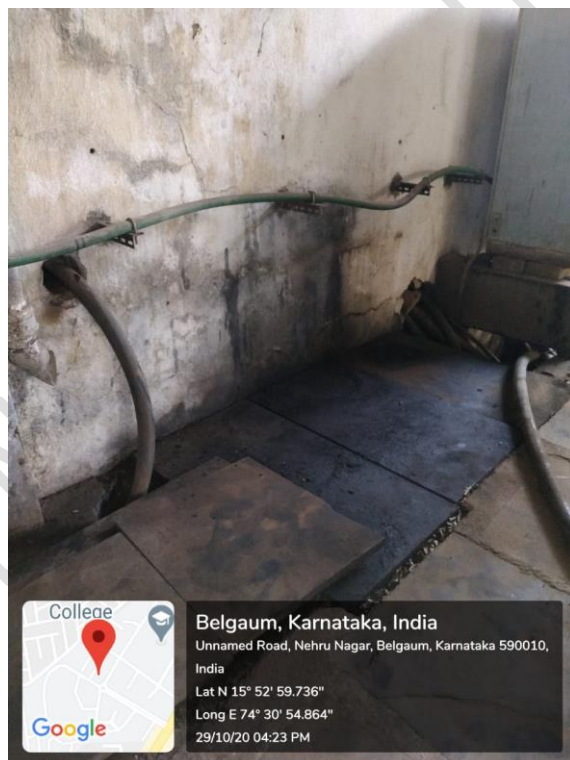
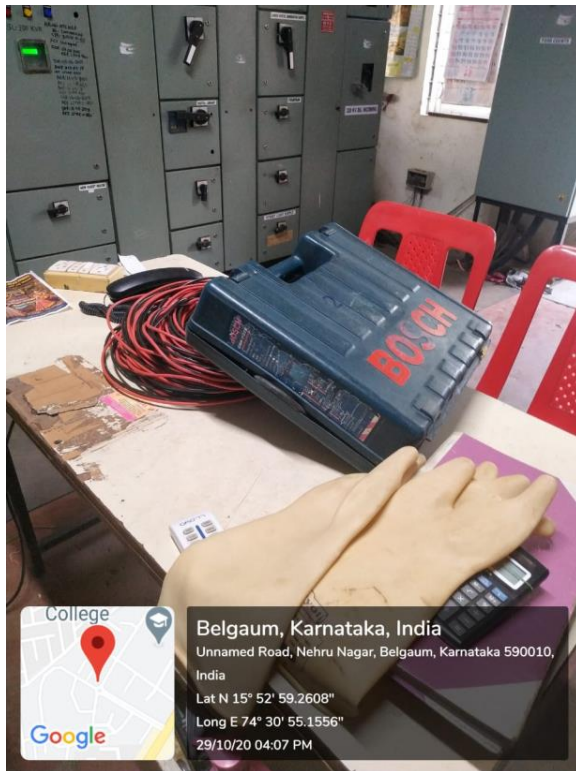
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

	<b>On Energy use evaluation.</b>	<b>Complied as per review on site</b>  
	Unbalanced Load	Presumed to be complied by above observation. Needs to be reverified on commencement of college.
	Energy use (ABUSE): Need based Lighting. Occupancy sensors etc.,	Learnt that the indent has been raised and work allotment is in progress.
	Labtechnician training on Energy Use	On site traing is planed and should be possible on normalisation of the situation.
	See through windows	Partially opaque glasses have been done and rest of the areas the work is in progress.
	Personal Protective Equipment.	Complied as per below illustrations.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



	Laying of ug cables in the campus:	Complied as per below illustration.
	Electrical Earthing	In progress, Naming and date of service needs to be displayed prominently.
	Equipment earthing	To be complied.
	Electrical Safety :	PPE kits are being used while performing electrical staff.
	Fire safety Instructions.	Need to be complied.
	Transformer	The issues continue to exist and it is being considered to replace the same with new energy efficient transformer.
	More onsite evidence as made available are listed at the end of the report under glossary section.	

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

## 1. **ACKNOWLEDGEMENT:**

SUNSHUBH TECHNOVATIONS PVT LTD., is pleased to express its sincere gratitude to the management of **KLE's JNMC Medical College, BELAGAVI**, for entrusting SUNSHUBH TECHNOVATIONS PVT LTD., with the assignment on Green Earth practices based on Educate, Practice, Advocate & Manage the resources in their educational organization.

We also wish to thank the officials and the maintenance staff for the help rendered during the energy flow study.

We would fail if we neglect to appreciate the sincere efforts put in by the Faculty

- Dr. Mahantshetti N S (Principal),
- Dr Manasi Gosavi. (Project Co-Ordinator)
- Dr. Manisha More

and the Students who against all odds have kept the college premises clean to the possible limits. Without the crucial and significant support from the fellow teaching team the energy savings and carbon footprint reduction would not be a reality.

We appreciate the Coordinated effort of Mr. V. Nishandar Chief Engineer, Mr. Prasad Thorat Electrical Engineer and his team of electrical staff. Mr. C K Patil, Civil Engineer and his team. Not to forget Mr. Anil Amminabhavi who took special interest in showing us the campus and the problems encountered in the campus.

With the motivational support of the management, ground realistic support from teaching team and sincere efforts of the students in incorporating the change (habits) and instructions, the college could effectively declare the reduction in Carbon footprint and optimize the waste reductions.

We are not in a position to compute the carbon foot print at this point of time as the basic information from each of the students is yet to be collected; however, **we will discuss the Carbon Foot print in the follow up compliance report.**

Wishing the team, a great success we deeply express our gratitude and heartfelt "THANKYOU" for allowing us to assess the energy flow scenario there by the GREEN STATUS.

Mallikarjun A. Kambalyal. B.E.(E&C).

Certified Energy Auditors (EA-3485)

SUNSHUBH TECHNOVATIONS PVT LTD.,

---

### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

## **2. LIMITATIONS:**

Our observations and recommendations tabled above are in the interest of conservation of Electrical Energy and Green Culture i.e. the reduction in CARBON FOOTPRINT. The compliance to the recommendations are to be reviewed and improved upon for the safety of the work staff and compliance of legal requirements as per Environmental rules and guidelines.

## **3. AUTHENTICATION & DATE OF COMPLIANCE ENERGY AUDIT:**

This ENERGY Audit has been carried out on 26<sup>TH</sup> December 2020 under the instructions of Dr. Mahantshetti N S (Principal), and in the presence of supporting staff. The compliance audit has been carried out on various dates and the same should reflect in the geotagged photos.

## **4. ABOUT ENERGY AUDIT:**

KLE's JNMC Medical College, BELAGAVI, has asked SUNSHUBH TECHNOVATIONS PVT LTD., Hubli., to conduct the ENERGY Energy Audit for their Institution.

In this context, the management of the Institute represented by Dr. Mahantshetti N S (Principal) entrusted us the task of conducting the feasibility study to reduce energy consumption and adopt green habits.

SUNSHUBH TECHNOVATIONS PVT LTD., represented by Mr. Mallikarjun A. Kambalyal made a detailed study and readings of various appliances were taken and carried out the ENERGY audit along with the safety parameters.

Based on the information available and the requirements put before us, it was decided to submit the report in two parts,

1. GREEN AUDIT where in pollution Preventive measures are necessary
2. ELECTRICAL ENERGY EFFICIENCY – CONSERVATION within the college

We hope the points presented will be self-explanatory, if there is need for any clarification, we are open for discussions.

## 5. ONGOING STATUS:

It's an optimistic & highly dedicated team effort lead by the Principal & the senior staff who have initiated corrective measures and continue to dedicate all their wits & time to initiate Green Carpeting the entire college premises. It is also a fact that there do exist, few more short comings which however is unintentional & on further training & education.

With all due appreciation to the management , staff involved & cooperation by the students, we have made few suggestions which on implementation, will reduce, demand for water & electrical power. It will also reduce the existing level of pollution to bear minimum.

There is high potential among the students to be educated and spread the knowledge of going ZERO waste generation in their respective colonies and society they dwell in, contributing positively to the cause of

**NO WASTE – NO POLLUTION – NO HEALTH HAZARD.**

---

### THOUGHT FOR EVERY MOMENT

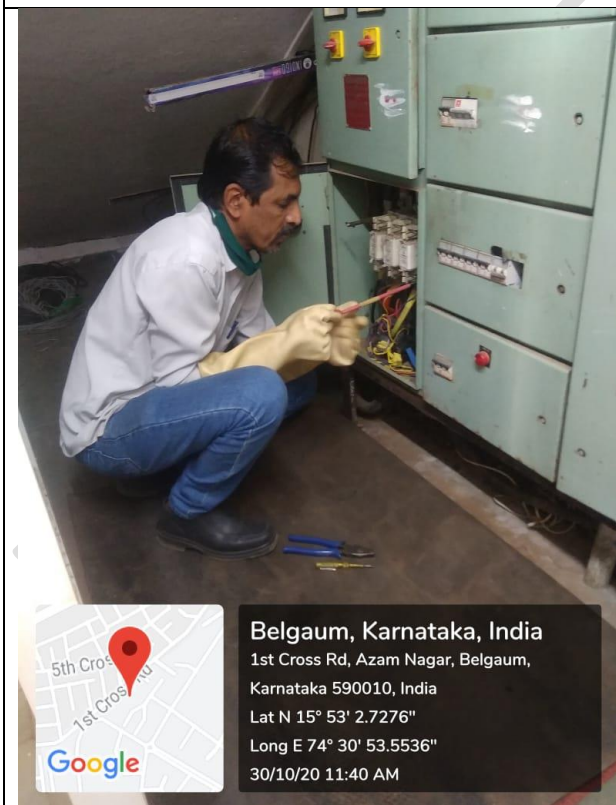
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## Glossary.

THOUGHT FOR EVERY MOMENT

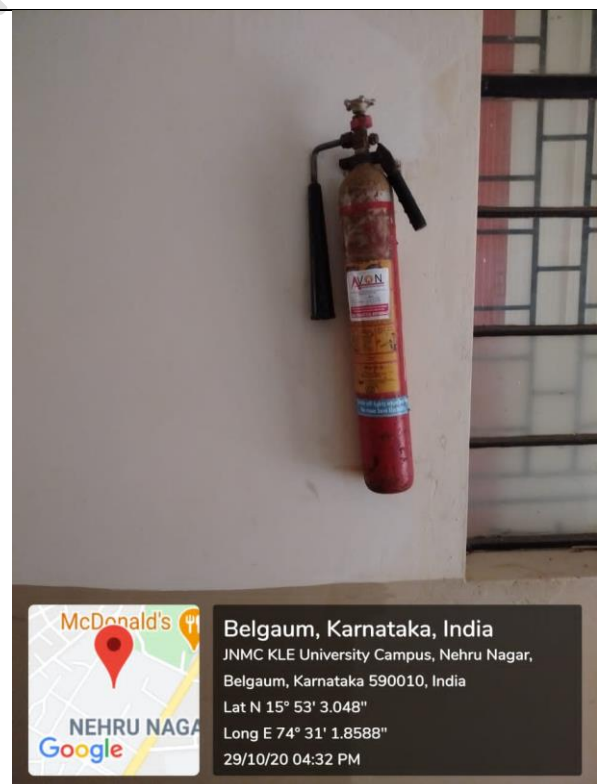
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



THOUGHT FOR EVERY MOMENT

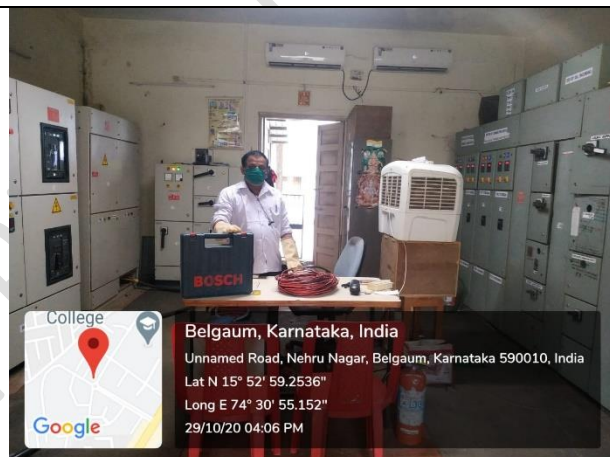
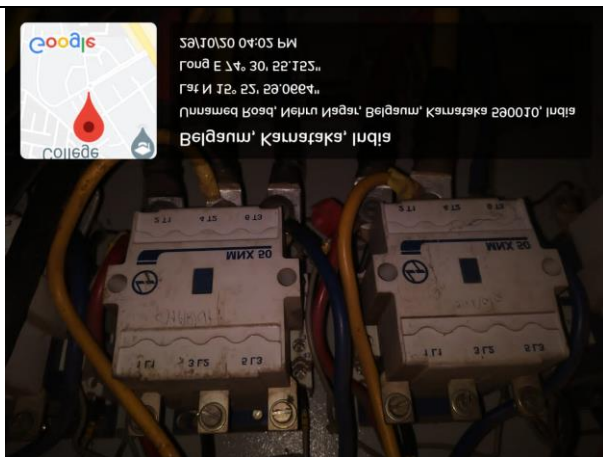
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



# THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

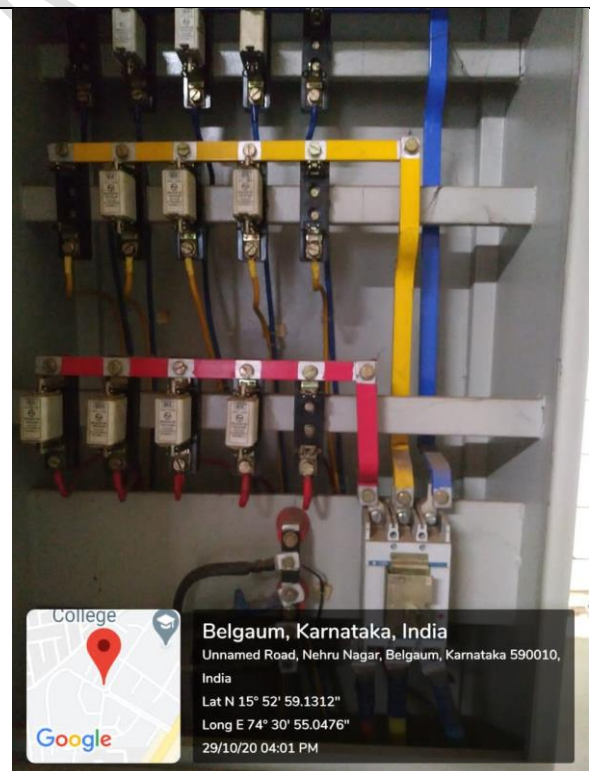
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

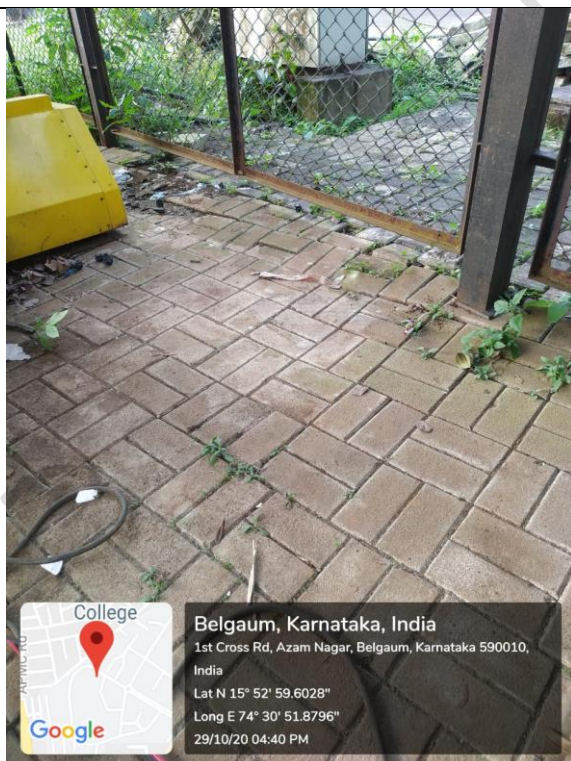
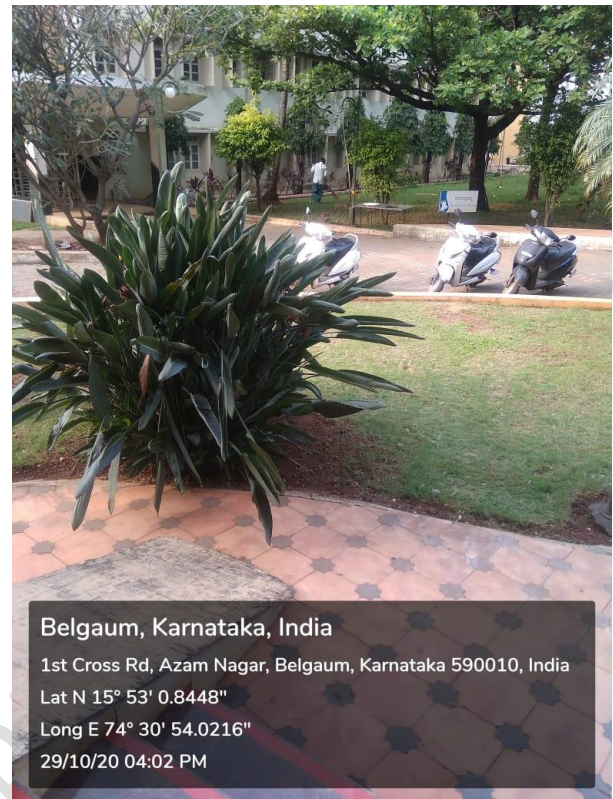
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

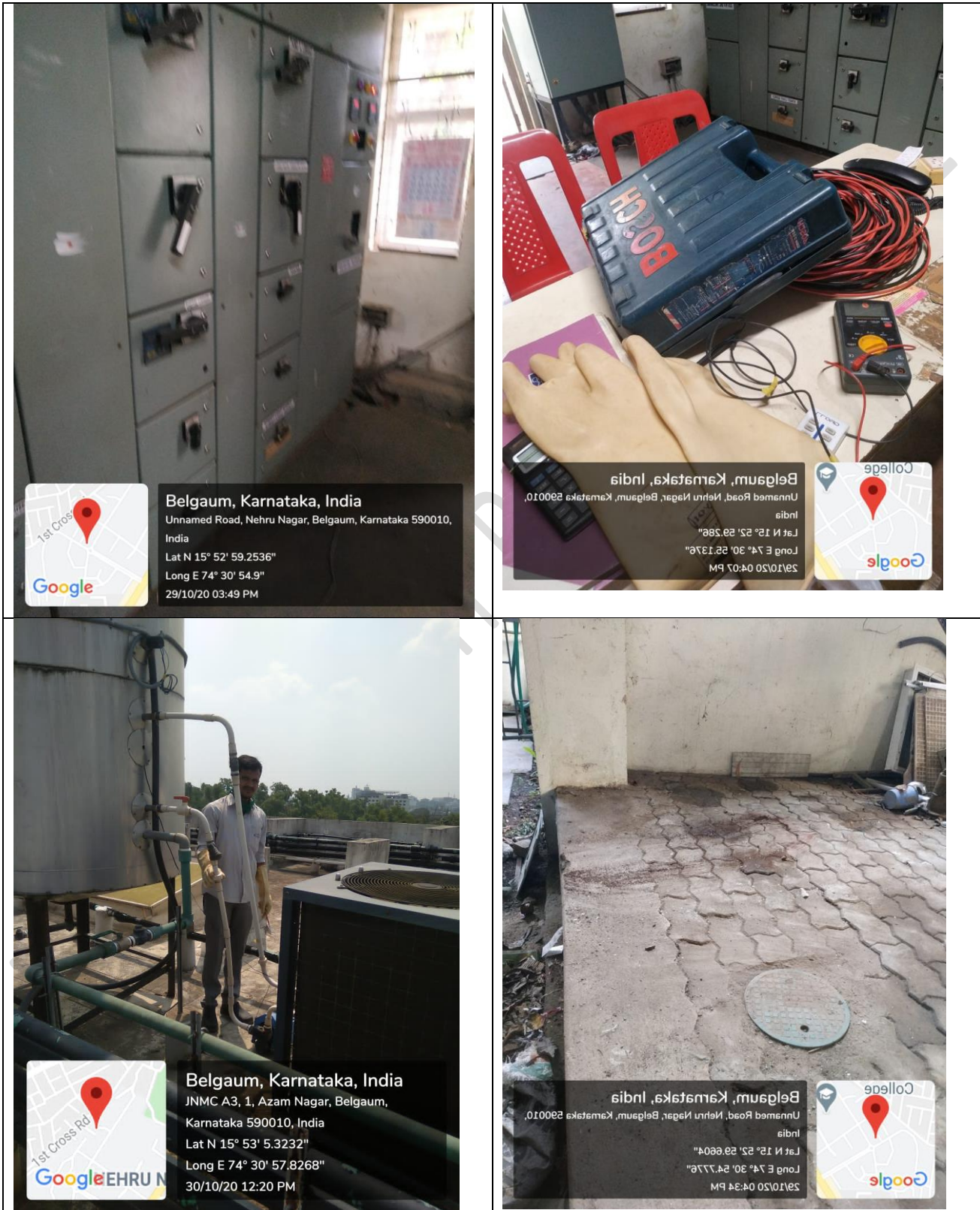




#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





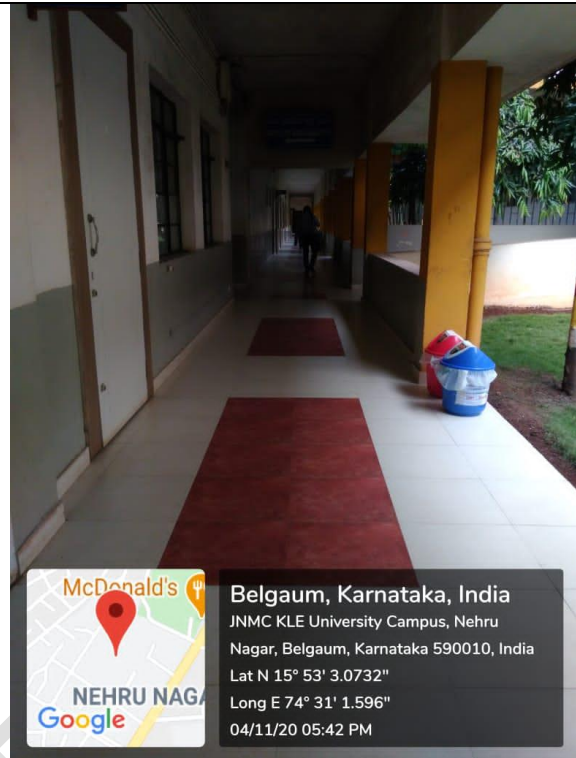
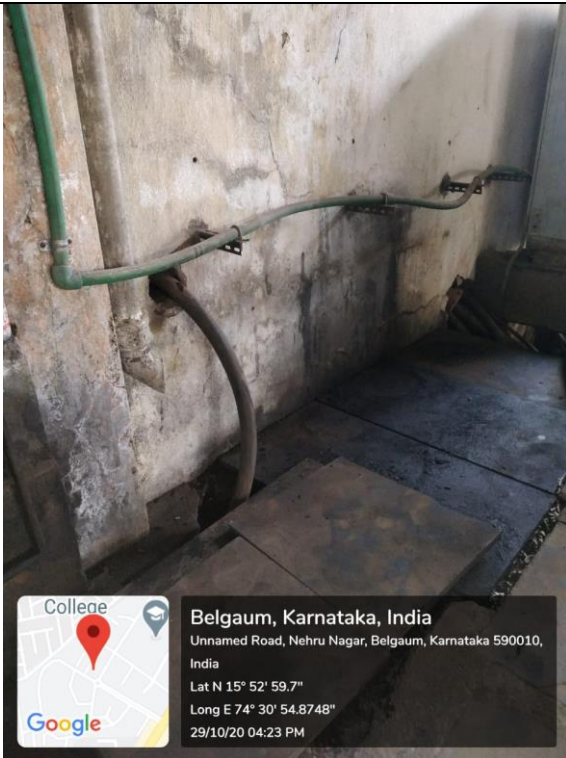
THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



THOUGHT FOR EVERY MOMENT

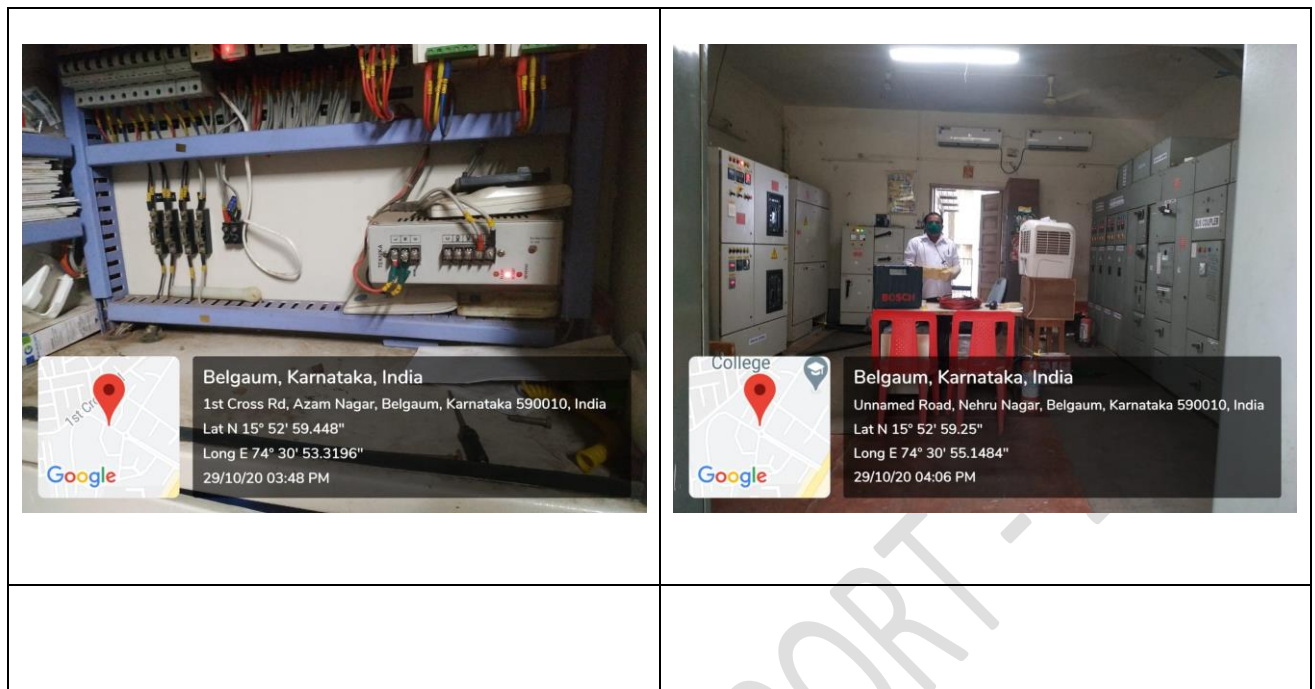
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

# GREEN Audit

## Compliance Report 2020 – 21

in compliance with the statutory requirements under the NAAC accreditation procedures



Principal Lead Auditor:  
Mallikarjun A Kambalyal. CEA, ISO 50001, 14001 Lead Auditor.

Audited by:  
**SUNBSHUBH TECHNOVATIONS PVT LTD.,**  
120-2, LGF, 'A' wing, IT Park,  
Hubli – 580029. Karnataka. India.  
German off: Neuer Weg 166, 47803 Krefeld,  
Dusseldorf. Germany Anbieter-Nr 1041388



ENERGY AUDIT REPORT - 2021

---


THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**SUNSHUBH TECHNOVATIONS PVT LTD**

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

WATER	ENERGY	POLLUTION	ORGANIC	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	
Certified Energy Auditors. Govt. Of India (EA 3485), ISO 50001, ISO 14001 Lead Auditor				

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**GREEN AUDIT COMPLIANCE CERTIFICATE**

We, certify that this compliance report is based on the site visits and evidence collected from the site. Any modifications, changes, omissions after the site visit shall be exclusive. All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended to out of campus. The focus is also laid to make positive impact on the society for a better living. In case the institution needs demonstration, we shall be happy to do so. We present this report to fulfil the citizens moral responsibilities much more than the legal or mandatory compliances.

Work order : Ref No. MDC/ELECT/1515 Dated – 21/11/2019

Date of Audit : 24<sup>th</sup> Feb 2020 to 29<sup>th</sup> Feb 2020.

Conducted by:

Mallikarjun A. Kambalyal B.E (E&amp;C)

Certified Energy Auditors EA-3485&amp; ISO 50001:2011 &amp; ISO14001:2015 Lead Auditor.

**SUNSHUBH TECHNOVATIONS PVT LTD.,**

#120-2, 131/2 'A' Wing, IT Park, Opp. Glass House,

Hubli-580029, KARNATAKA INDIA

Ph: 0836-2350505, +91 9449033505 Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com)Website: [www.sunshubhrenewables.com](http://www.sunshubhrenewables.com)THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,

SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

ENERGY AUDIT REPORT - 2021

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## BUREAU OF ENERGY EFFICIENCY



Examination Registration No. : **EA-3485** Serial Number **2838**

Certificate Registration No. : **2838**

### Certificate For Certified Energy Manager

This is to certify that Mr./Mrs./Ms. **Mallikarjun A Kambalyal**  
Son/Daughter of Mr./Mrs. **Andanappa V Kambalyal** who has passed the National  
Examination for certification of energy manager held in the month of **April 2006** is  
qualified as certified energy manager subject to the provisions of Bureau of Energy Efficiency  
(Certification Procedures for Energy Managers) Regulations, 2010.

This certificate shall be valid for five years with effect from the date of award of this certificate  
and shall be renewable subject to attending the prescribed refresher training course once in every  
five years.

His /Her name has been entered in the Register of certified energy manager  
at Serial Number **2838** being maintained by the Bureau of Energy Efficiency under the  
aforesaid regulations.

Mr./Mrs./Ms. **Mallikarjun A Kambalyal** is deemed to have qualified  
for appointment or designation as energy manager under clause (I) of Section 14 of the Energy  
Conservation Act, 2001 (Act No.52 of 2001).

Given under the seal of the Bureau of Energy Efficiency, this **7<sup>th</sup>** day  
of **February, 2013**

Secretary  
Bureau of Energy Efficiency  
New Delhi

Dates of attending the refresher course	Secretary's Signature	Dates of attending the refresher course	Secretary's Signature
<b>28.01.2020</b>			

Bureau of Energy Efficiency Regd No: EA3485

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## Certificate of Successful Completion

**Intertek**

*This is to Certify that*

**MALLIKARJUN A KAMBALYAL**

*has successfully completed the*

**Intertek**

### **CQI & IRCA Certified ISO 14001:2015 Auditor Conversion Training Course**

*The Course includes the assessment and evaluation of Environmental Management Systems to conform to the requirements of ISO 14001:2015 and ISO 19011:2011*

*This course is certified by the Chartered Quality Institute (CQI) and the  
International Register of Certificated Auditors (IRCA)  
– IRCA REFERENCE 18093 –*

*The course meets the training requirements for individuals seeking certification  
under the IRCA Auditor Certification Schemes*



Authorising Signature: *Vyoma Asthuvora*

Course Dates: 14<sup>th</sup> – 16<sup>th</sup> July 2017

Certificate Number: 47730

Membership Application To Be Made Within 3 Years From Last Day of Course



121807

ISO Certified Lead Auditor. Certificate No: 47730

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.




**ISO Certified Lead Auditor. Certificate No: ENR-00253448**

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

EXECUTIVE SUMMARY.

ENERGY AUDIT				
Observations/Recommendations.	Status	Complied	In progress	To be Complied
Loose contacts	tightned with brass and steel nuts	Complied		
Unbalanced load management	voltage and load are balanced in each phase.	Complied		
Illumination management	florocents are replaced with LED Lights	Complied		
Visibility	good	Complied		
Occupancy sensors	has motor,street light and water heater sensors	Complied		
Electrical safety	glows and shoes with neccesory equipments provided	Complied		
Cable management.	with proper trench we are placing the UG cable.	Complied		
Panel board management.		Complied		
Fuel management		Complied		
	abc,co2,etc cylinders and 10kg 2 mobile cylinders are purchased.all cylinders are up to date,and also have smoke detectors sensors in certain labs.	Complied		
Fire safety		Complied		
Power station management				
Earthing systems operation.	adding some extra pits at required weak earthing area	Complied		
Heat pump operation.	operating on timer relay.	Complied		

  
ELECTRICAL ENGINEER  
JNMC, BELAGAVI

Comments

The college team has confirmed by mail and the compliance table is made available for that the recommendations. The same have been reviewed and have been verified.

We have gathered evidence and reproduced the same along with our comments for acceptance and/or for further improvements.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## Check list for Compliance

**The report is supplementary to the original report and should be read and compared to the observations made accordingly.**

GREEN AUDIT	Observations/Recommendations.
	<p><b>Disabilities for Differently Abled.</b></p> <p><i>Detailed discussion was omitted in the primary report; hence the requirements are represented for compliance. This section needs to be self-evaluated by constituting an internal team.</i></p> <p><i>The corrective measures would take time but a move towards the implementation would be appreciated.</i></p> <p><i>NAAC co-ordinating team may please look into the aspects and act.</i></p> <p>Need to form an inhouse committee on making the campus disabled friendly. A clear task is necessary and the required check list is presented for compliance.</p> <p>Before we conduct check on compliance,</p> <p><b>A Brief note on Green Audit.</b></p> <p>Please refer to <a href="http://www.disabilityindia.co.in/">http://www.disabilityindia.co.in/</a> for more information.</p> <p><b>The green audit primarily lays focus on Energy use, its impact on environment and remedial measures.</b></p> <p><b>It is equally focused on ways of making life of differently abled persons easy and readily adoptable to changing working environment.</b></p> <p>Every citizen has to feel self-sufficient on economic front and self-reliant on meeting his daily chores.</p> <p>While we have discussed elaboratively on Energy and Environmental aspects in the connecting audit reports, let us understand how we can focus on making differently abled life more meaningful Thus, the special focus.</p> <p><b>Disabilities for Differently Abled.</b></p> <p>In order to develop awareness in the higher education system and also to provide necessary guidance and counselling to differently-abled persons, it is expected that the Institutes</p>

### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

Facilitate admission of differently-abled persons in various courses.

Provide guidance and counselling to differently abled individuals.

Create awareness about the needs of differently abled persons and other general issues concerning their learning

Assist differently-abled graduates to gain successful employment in the public as well as private sectors.

#### THE MAJOR FUNCTIONS OF THE INSTITUTION SHOULD BE,

- To provide counselling to differently - abled students on the types of courses they could study at the higher education institutions.
- To ensure admission of as many differently-abled students as possible through the open quota and also through the reservation meant for them.
- To gather orders dealing with fee concessions, examination procedures, reservation, policies, etc., pertaining to differently-abled persons.
- policies, etc., pertaining to differently-abled persons.
- To assess the educational needs of differently abled persons enrolled in the higher education institutes to determine the types of assistive devices to be procured.
- To conduct awareness programmes for teachers of the institute about the approaches to teaching, evaluation procedures, etc, which they should address in the case of differently-abled students.
- To study the aptitude of differently-abled students and assist them in getting appropriate employment when desired by them after their studies.
- To celebrate important days pertaining to disability such as the World Disabled Day, White Cane Day, etc., in the institute and also in the neighbourhood in order to create awareness about the capabilities of differently-abled persons.
- To ensure maintenance of special assistive devices procured by the higher education institute under the HEPSN scheme and encourage differently-abled persons to use them for enriching their learning experiences.

#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

- To prepare annual reports with case histories of differently-abled persons who are benefited by the HEPSN scheme sanctioned to the higher education institute.

#### Providing Access to differently-abled persons

It has been felt that differently-abled persons need special arrangements in the environment for their mobility and independent functioning. It is also a fact that many institutes have architectural barriers that disabled persons find difficult for their day-to-day functioning. The colleges are expected to address accessibility related issues as per the stipulations of the Persons with Disabilities Act 1995, and ensure that all existing structures as well as future construction projects in their campuses are made disabled friendly. The institutes should create special facilities such as ramps, rails and special toilets, and make other necessary changes to suit the special needs of differently-abled persons. The construction plans should clearly address the accessibility issues pertaining to disability. Guidelines on accessibility laid out by the office of the Chief Commissioner of Disabilities.



#### Providing Special Equipment to augment Educational Services for Differently abled Persons

Differently-abled persons require special aids and appliances for their daily functioning. These aids are available through various schemes of the Ministry of Social Justice and Empowerment. In addition to the procurement of assistive devices through these schemes, the higher education institute may also need special learning and assessment devices to help differently-abled students enrolled for higher education. In addition, visually challenged students need Readers. Availability of devices such as computers with screen reading software, low-vision aids, scanners, mobility devices, etc., in the institutes would enrich the educational experiences of differently-abled persons. Therefore, colleges are encouraged to procure such devices and provide facility of Readers for visually challenged students.

#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**Internal audit guidelines.****Audit Process**

This section discusses the planning and implementation of the actual audit. The planning for the audit should cover:

- The core audit team
- Media management
- Overall coordination

**The Core Audit Team**

- The audit team should assemble outside the venue in advance to discuss the process of the audit.
- The attendance sheet should be signed by all the members of the assembled team.
- The team members should know the parts of the building they are to audit.
- The appropriate part of the audit checklist should be used for each section of the building audited. It is important to address each item of the checklist.
- The group should assess the area taking all kinds of disability into account.
- The photographer must be briefed and be guided by a member of the core audit team.
- The results of the different parts of the audit must be compiled.
- The audit team should meet the authorities of the organization, with the media, to inform them of the findings of the audit and submit a representation. The team must get a commitment to incorporate the changes necessary to make the building disabled-friendly.

**Media Management**

The media members should be asked to assemble at one place from where they will be transported to the venue of the audit or they should assemble at the site of the audit. A person must be appointed to coordinate with the media. A press briefing should be held and the media provided with a press kit. The media must be invited to join the team when it submits its representation to the head of the organization.

**Overall Coordination**

Since the audit process involves many people, a well-defined programme for the audit has to be drawn up. The following must be kept in mind:

- A schedule. A person should be nominated to monitor adherence to the planned programme.
- A designated Coordinator for overall synchronization of the audit goals

The following items must be carried by the audit team:

- copies of the audit checklist
- pens and hard boards
- attendance sheets
- copy of The Disability Act, 1995
- awareness materials
- copy of the representation to be submitted to the organization audited
- press kits

### Post Audit Reporting And Follow-Up

The reporting of the audit is in 2 parts:

- a. Report on the building being audited, for submission to the organization which houses the building; and
- b. Complete report containing all the details relevant to the entire audit exercise.

### Reports To Be Submitted To The Organization Audited

The data collected during the audit must be compiled and a report must be prepared. The report would be based on the following points:

- name of the place audited
- date of the audit
- members of the audit team
- observations on the areas audited, and the main conclusions of the audit
- suggestions for short-term and long-term improvement, based on the CPWD guidelines
- follow-up guidelines

A time-frame can be suggested for adopting the suggested changes. This report must be handed over to the audited organization, with a letter of appreciation for courtesies and cooperation extended, a copy of the completed audit checklist used to audit the institution and a copy of the relevant CPWD guidelines (sample formats)

### Report Of The Access Audit Project

A report of the audit itself must be drawn up. It should include the aims, the details of the audit process, i.e., the pre-audit preparation, the process itself and the post audit reporting and follow-up, including the results of the audit and suggestions for improvement, which have been made. The report should include photographs and copies of news clippings of the audits. This report must be archived for future reference and follow-up action.

## Brief Description Of The Essentials Of A Building That Are Evaluated

### *Entrances/Exits*

The main entrances and exits of buildings must be clearly identifiable and easily accessible. They must be wide enough to accommodate wheelchair users. Steps and ramps must have hand railings of contrasting colours. Building should have automatic sliding doors. In multistorey buildings, the entrance should permit access to a conveniently located elevator. Emergency exits should be easily identifiable and accessible.

### *Parking*

Parking for people with disabilities should be available near the building. It should be accessible to cross-disability groups equally. Accessible indoor parking spaces should be located closest to the elevators and within 50 metres of building entrance. The parking slots reserved for people with disabilities should be marked with the international symbol of accessibility. There should be procedures in place to make sure that non-disabled people do not use parking spaces reserved for people with disabilities. Drop off areas should be marked by a well-defined signage system and an accessible travel path from this area to the building should be available.

### *Ramps*

Complementary ramps should be available next to stairs. The gradient of ramps should allow easy use by wheelchair users. Appropriate landings should be available and the ramps should be wide enough for use by wheelchair users. Ramps surfaces should be slip-resistant and clear of obstacles. They should be protected on both sides. Ramps should be marked with the international symbol of accessibility.

### *Elevators*

Elevators should be easily accessible and identifiable. The doors should be wide enough to accommodate wheelchair users and the space inside should be sufficient for them. Elevators should have handrails of contrasting colours on three sides and be at appropriate heights. Visual and audible signals indicating the arrival at different floors should be available. Emergency intercoms should be usable without voice communication in emergencies. Tactile/ Braille instructions should be provided for the communication systems.

### *Stairs*

Stairs should be easily accessible and identifiable. The minimum width of the stairs should be wide enough and the landings have enough space at the top and bottom. The stair surfaces and nosing should be slip resistant. Handrails should be provided for staircases.

### *Corridors*

The minimum unobstructed width of corridors should be wide enough for wheelchair users and should allow manoeuvring through doors along the length of the corridor. The corridors should have guiding blocks along its length.



### *Washrooms, Toilets And Bathrooms*

Separate toilets should be available for people with disabilities. They should be clearly identifiable and accessible. The doors should be wide enough and should be lockable from inside and releasable from outside. There should be enough manoeuvring space inside. All floor surfaces should be slip resistant. Mirrors, flushing arrangements, dispensers and toilet paper should be mounted at appropriate heights. They should be equipped with alarm systems for emergencies.

### *Public Telephones*

There should be at least one telephone accessible to wheelchair users and should be equipped with hearing aids. The numbers should be embossed to allow easy identification. The coin slots should be at appropriate heights.

### *Counters*

This includes reception counters, ticket counters, cash counters and administration counters. Counters should be easily identifiable and accessible to wheelchair users. Counter staff should be able to communicate with persons with hearing and visual disabilities.

### *Drinking Water Facilities*

They should be easily accessible and the fountain head accessible to wheelchair users.

The area around the fountain should be dry to prevent falls. Glasses should be provided at drinking water facilities. The taps should be easily manoeuvrable.

### *Eating Outlets*

Accessibility of eating outlets for people with various kinds of disability must be assessed. Tables, service counters and cash counters should be at appropriate heights. There should be enough place inside for easy movement by wheelchair users. A menu card should be available in Braille. Facilities should be available for people with speech impairment to place orders.

### *Audit Of Specific Areas Of Buildings*

Some buildings have areas specific to them and different aspects must be looked when auditing them.

### *Hospitals*

Patients have to visit the examination and sample collection rooms of hospitals and may get admitted to wards in them.

### *Examination Rooms*

Examination rooms should be easily identifiable and accessible. The examination tables should be of the right size and height.

### *Sample Collection Rooms*

Sample collection rooms should be easily identifiable and accessible. The rooms should be large enough to enable easy mobility within them. The toilets attached to sample collection rooms should be easy to use. The sample collection tables should be easily accessible.

### Wards

Wards should be easily identifiable and accessible to people with different disabilities. Space in wards should allow easy mobility by wheelchair users. All fixtures should be at accessible heights. They should be obstacle free. Guiding lines should be available for people with visual impairment.

### Banks

All counters should be easily identifiable and accessible. Counters should be at appropriate heights. The staff at the counters should be able to communicate with people with hearing impairments. The manager's office should be easily identifiable and accessible. Various forms should be placed at accessible counters and space should be available for the clients to fill the forms easily.

Automatic Teller Machines (ATM) should be easily accessible to clients with various types of disability. They should be placed in areas, which allow mobility for wheelchair users. They should be slip resistant and have grab bars.

### Hotel Rooms

At least one room easily accessible should be located on the ground floor to enable rapid evacuation in case of emergencies. The room should be equipped with an alarm system. All fixtures and controls should be at accessible heights. The space in the room should allow mobility for a wheelchair user. The windows should allow unobstructed viewing for wheelchair users. Room facilities, like phones, fire alarms, wake-up alarms, etc., should be accessible to people with different disabilities.

### Cinema Halls

Tickets counters and the hall should be easily accessible. Specific seats should be allocated to wheelchair users.

### Government Offices

The public areas should be accessible to people with different disabilities. The counter staff should be able to guide people with different disabilities. Letter boxes should be accessible.

### Historical Sites

The site details should be available in Braille. Trained guides should be available for people with different disabilities. Shops should be accessible.

### The Disability Access Audit Checklist

The disability access audit checklist includes details that have to be looked into for carrying out a disability access audit. They must be completely and accurately filled out to carry out a meaningful audit.

The checklist has been divided into two parts. Part 1 (A to K) is for areas common to all buildings audited, while Part 2 (L to Q) deals with areas specific to locations, like banks, cinema halls, etc. It is non-exhaustive and should be adapted to specific needs.

The checklist must be filled in by answering " **yes** ", " **no** ", or " **not applicable** " to the

questions. Observations made in the remarks column during the audit will determine how disabled friendly a location is.

Indicative In-house check list for disabled friendly persons.

### DISABILITY ACCESS AUDIT CHECKLIST

Date of audit:

Staff In charge:

Department:

Audited by (organization):

General Remarks & Suggestions:

Name of the team leader and signature

A **ENTRANCE**

1 **Before main entrance**

Are there steps?	Yes/No*. If yes, how many
------------------	---------------------------

Does the steps have railings?	Yes/No*. If yes, one/both sides
-------------------------------	---------------------------------

Is there a ramp? Does the ramp have railings?	*Yes/No
---	---------

Does the ramp have an edge protection?	*Yes/No*. If yes, one/both sides *Yes/No*. If yes, height of edge Protection:
--	--

2 **Main Entrance**

Is the width of the entrance greater than or equal to 900 mm?	Yes/No*. Width:
---	-----------------

Type of door	Automatic/Swing/Sliding*
--------------	--------------------------

### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**



	Type of door handle (if applicable)	Lever/knob*	
	Is the height of door handle between 900 mm - 1100 mm?	Yes/No*. Height of kerb:	
	Is there a kerb at entrance?	Yes/No*. Gradient:	
	Is there a kerb ramp?	Yes/No*.	
	Is there the International Symbol of Access (Disabled Logo) displayed?	Yes/No*.	
3	Side Entrance		
	Location (e.g., along Haig Road) (if there is more than one location, please specify all)	Yes/No*. If yes, location at	
4	Side Entrance		
	Is the width of the entrance greater than or equal to 900 mm?	Yes/No*. Width:	
	Type of door	Automatic/Swing/Sliding*	
	Type of door handle (if applicable)	Lever/knob*	
	Is the height of door handle between 900 mm - 1100 mm?	Yes/No*. Height of kerb:	
	Is there a kerb at entrance?	Yes/No*. Gradient:	
	Is there a kerb ramp?	Yes/No*.	
	Is there the International Symbol of Access (Disabled Logo) displayed?	Yes/No*.	
5	Is side entrance accessible to the wheelchair-users? (Please use section A2 as a guideline).	Yes/No*. If no, give details:	
6	Is the accessible entrance clearly identifiable?	Yes/No*. If no, give details:	
7	Is the entrance wide enough?	Yes/No*. If no, give details:	
8	Is the door a push-open door?	Yes/No*. If no, give details:	

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

9	In multi-storey buildings, does the accessible entrance permit access to a conveniently located elevator?	Yes/No*. If no, give details:	
10	Is the entrance landing area sufficient?	Yes/No*. If no, give details:	
11	Is the entrance landing easily identifiable?	Yes/No*. If no, give details:	
12	Are there tactile landing areas free of obstacles?	Yes/No*. If no, give details:	
13	Is the entrance landing area free of obstacles?	Yes/No*. If no, give details:	
14	Are emergency exits easily identifiable?	Yes/No*. If no, give details:	
15	Are emergency exits easily accessible?	Yes/No*. If no, give details:	
B	<b>CAR PARKING</b>		
1	Is there a parking lot for the disabled person within the building?		
	Are there accessible parking facilities?	Yes/No*	
	Are indoor parking spaces located closest to accessible elevators?	Yes/No*	
	Are accessible parking spaces within 50 meters of building entrances?	Yes/No*	
2	If yes, how many are there and state location where these can be found (e.g., Basement 1, lot# 112, near lift)	Yes/No*. If yes, location at	
3	Is there the International Symbol of Access (Disabled Logo) printed on the parking lot	Yes/No*.Size of logo: Yes/No*.If yes, describe signboard used:	
	Is there a vertical and visible signboard indicating that the lot is for the disabled driver?	Yes/No*.Size of logo: Yes/No*.If yes, describe signboard used:	
4	Are there directional signs within the parking lot to indicated the location of the parking lot for the disabled person?	Yes/No*.	

**THOUGHT FOR EVERY MOMENT**

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET** even better adopt E-CORRESPONDENCE.

5	Size of parking lot.(Min. Size: 4800 mm x 3600 mm)	Dimension:		
6	Please provide information on accessibility from the parking lot to the lift lobby/building entrance.	Please tick on the box and delete accordingly for the following: There is kerb/no kerb at the Entrance of the lift lobby. There is a kerb ramp at the Entrance of the lift lobby. Gradient: There is a swing/automatic/ Manual* door leading to the main building Width of door entrance is at least 900 mm wide Width: Corridor width is at least 1200 mm wide Width: Width of lift door is at least 900 mm wide Width: State the type of flooring used:		
C	TAXI STAND			
1	Is there a taxi stand at the building? If yes, please state the location (e.g., at the main entrance)	Yes/No*. Location:		
2	Is there a kerb at the taxi stand?	Yes/No*.		
3	Are these one/two kerb ramps for boarding and alighting the taxi?	One/Two* Kerb Ramos Ramp for Boarding. Yes/No*. Ramp for Alighting. Yes/No*.		
D	LIFT			
1	Is the lift accessible to every floor?	Yes/No*.		
	Is there an accessible path leading to the elevator?	If no, please specify which floor(s) the lift stops on:		
	Is the elevator door easy to identify?	If no, please specify which floor(s) the lift stops on:		
2	Is the clear door opening width more than 900 mm?	Yes/No*. Width:		
3	Is the height of the call button (outside the lift) between 900 mm-1100 mm?	Yes/No*. Height between:		
	Is the space inside the elevator enough?	Yes/No*. Height between:		

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



4	Is there an audio system installed (talking lift) for the lift?	Yes/No*.		
5	Are there Braille/raised (for the visually impaired persons) numbers used on the control panel?	Yes/No*. Height between:		
6	Is the control panel placed at a height of between 900 mm - 1200 mm from the floor level	Yes/No*. Height between:		
7	Are there grab bars inside the lift?	Slides: Yes/No*.		
	Are the doors and handrails of the elevator of contrasting colour?	Slides: One/Both* Rear: Yes/No*.		
8	Are the grab bars placed at height of 900 mm from the floor?	Yes/No*. Height:		
9	Is the emergency intercom usable without voice communication?	Yes/No*.		
10	Is the door opening/closing interval long enough?	Yes/No*.		
11	Is the floor of the elevator non-slippery	Yes/No*.		
E	PUBLIC TELEPHONE			
1	Are there public telephones for the disabled person. If yes, provide location (e.g., level 1,2)	Yes/No*. Location:		
2	Is the height of the operable parts (highest and lowest) of the public Phone between 800 mm-1200mm	Yes/No*. Actual height between:		
3	Is there a clear knee space of more than 680 mm	Yes/No*. Actual clear knee space:		
4	Is there at least one telephone equipped with hearing aids?			
5	Are the numerals on the telephone raised to allow identification by touch?			

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

6	Is the coin slot mounted at an appropriate height?		
7	Are accessible facilities identification?		
F	COUNTERS		
1	Is the counter easily identifiable?		
2	Is the level of the counter accessible?		
3	Is the staff able to communicate with people with visual, hearing and speech impairment?		
4	Is the staff supportive to mentally-challenged clients?		
G	PUBLIC TOILETS		
1	Are there separate toilets for the disabled person? Is the accessible toilet identified by a sign?	Yes/No*.	
	Is the entrance to the public toilet accessible to people with disabilities?	Yes/No*.	
	Is the width of the door wide enough?	Yes/No*.	
	Is there enough manoeuvring space in the toilet?	Yes/No*.	
2	Are the toilets for the disabled person available on every floor?	Yes/No*. If no, specify on which floor they are available	
3	What type of toilets is provided?	Individual/Compartment/Both*	
4	Are the measurements of the toilet for the disabled person the same (if there are more than one toilet)?	Yes/No*.	

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

5

If the toilets for the disabled persons are different from one another, please complete separate copies for each toilet surveyed

Sketch toilet surveyed (include door, water closet, wash basin, door and grab bars)

State location of toilet checked

Please tick on the box and delete accordingly for the following

Individual washroom/compartment \*

Individual washroom: Have clear dimensions between opposite walls of not less than 1750 mm.

Actual dimension:

mm x mm

Water Closet Compartment

Have clear dimensions of not less than 1500 mm by 1750 mm

Actual dimension: mm x mm

Door width more than 900 mm Actual width:

No kerb/kerb ramp\* at the Entrance to the toilet. If there is a kerb ramp, the gradient is:

Door handles are located:

Inside/Outside/Both sides\*

Door opens outwards / inwards\*

Door is a swing / folding / sliding\* door

One horizontal grab bar is mounted at a height of between 280 mm and 300 mm from the top of the water closet seat and one horizontal grab bar is mounted on the side wall closet to the water extending from the rear wall to at least 450 mm-in-front of the water closet seat.

Actual height:

Actual height:

Water basin has a clear knee Space of at least 750 mm wide by 200 mm deep by 680 mm high with an additional toe space of at least 750 mm wide by 230 mm deep by 230 mm high.

Actual clear knee space:

(W) x (D)

(H)

Water closet is located between 460 mm - 480 mm from the centreline of the water closet to adjacent wall.

Actual distance:

Clear dimension of 750 mm from the front edge of the toilet bowl to the rear wall.

Actual distance:

#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,

**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**



		The passage way leading to the cubicle is at least 900 mm. Actual width:	
6	Is there at least one accessible shower?		
7	Are grab bars installed in bathtubs and showers at an appropriate height?		
8	Are accessible showers equipped with shower seats?		
9	Are the grab bars slip resistant?		
10	Can grab bars withstand load?		
11	Is the mirror at an appropriate height?		

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

12	Is the rest room equipped with an alarm system accessible to people with different disabilities?		
13	Are flushing arrangements, toilet paper and other dispensers mounted at an appropriate height?		
14	Are flushing mechanisms easy to operate?		
15	Are the doors lockable from inside and released from outside in emergency situations?		
DRINKING WATER FACILITY			
1	Is the water tap easily accessible?		
2	Can it be easily manoeuvred by a person with poor hand function?		
3	Is the area dry?		
4	Are glasses provided?		
CAFETERIA			
1	Is there an eating outlet located within the building?	Yes/No*. Location:	
2	Is the eating outlet generally accessible to the disabled?	Yes/No*.	
3	Is there a circulation path/passageway of at least 900 mm wide to allow the wheelchair user to move around the eating outlet and order their food?	Yes/No*.	
4	Is there a table reserved for the disabled?	Yes/No*. If no, give details of seating arrangements:- Height of table-top not higher than 800 mm with a minimum clear knee of 700 mm x 480 mm deep. If no, provide Measurement: Table-top: Clear knee space: x	

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

		Table with fixed stools/chairs Table without fixed stools/chairs		
5	Are there directional signs to lead the disabled person to the reserved table?	Yes/No*.		
6	Is there enough leg clearance space below the table?	Yes/No*.		
7	Is the height of the table appropriate?	Yes/No*.		
8	Is the height of the cash counter appropriate?	Yes/No*.		
9	Is there a menu card available in Braille?	Yes/No*.		
10	Is there a facility for a person with speech impairment to be able to place an order?	Yes/No*.		
11	Do the tables have straight legs?	Yes/No*.		
H	<b>STAIRCASE</b>			
1	Applies to flights of steps Check the following:	State where the staircase is located:		
2	Are there handrails	Yes/No*. If yes, one/both sides		
3	Height of hand rails between 800 and 900 mm from the floor	Yes/No*. Actual height:		
4	Are the handrails continuous	Yes/No*.		
5	Is there a levelled platform at the top and bottom step extending not less than 300 mm (with railing)	Levelled platform: Yes/No*. Extended railing: Yes/No*.		
6	Steps specifications	Uniform riser: Yes/No*. Open Riser: Yes/No*. Height of risers: Protruding nosing: Yes/No*.		
7	Is the minimum width of the stairs enough?			

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**



8	Is the landing space at the top and bottom of the stairs enough?		
9	Are the stair nosing slip-resistant?		
10	Is the location of the stairs clearly identifiable?		
11	Is a handrail installed?		
12	Do the stairs have guide strips?		
<b>SLOP RAMPS</b>			
	Applies to slope ramps Check the following:	State where the slope ramps are located:	
1	Are there handrails	Yes/No*. If yes, one/both sides	
2	Height of hand rails between 800 and 900 mm from the floor	Yes/No*.Actual height:	
3	Are the handrails continuous	Yes/No*.	
4	Is there a levelled platform at the top and bottom ramp extending not less than 300 mm (with railing)	Levelled platform: Yes/No*.Levelled railing: Yes/No*.	
5	Is the width of the ramp at least 1200 mm	Yes/No*.Actual width:	
6	Ramp landings are provided at regular intervals of not more than 9000 mm of every horizontal run	Yes/No*.Length of horizontal run:	
7	Is an edge protection available	Yes/No*.	
8	Type of flooring used	Specify:	
9	Describe the condition of the flooring	e.g., levelled, tiles popping up, uneven surfaces	
10	Are grafting found in the open area	Yes /No*	

**THOUGHT FOR EVERY MOMENT**

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

11	Are the gratings covered?	Yes/No*		
12	Are grating placed across the dominant placed across the dominant of travel	Yes/No*		
13	Is the width of spaces found between the grating strips less than 12 mm	Width:		
1	General description of accessibility within the premises	Paths to various locations of Attractions are easy and Accessible.		
		Quite accessible but there are Steps (manageable).		
		Not quite accessible, there are Many obstacles such as		
		Inaccessible in most areas. (please specify)		
CORRIDORS				
	Is the minimum unobstructed width of the corridor wide enough for wheelchair users?			
	Does the corridor width allow manoeuvring through doors located along its length			
	Does the corridor have guide strips?			
	Is the corridor pathway obstruction-free?			
Any other comments:				
Name of Facilitator(s):		Name of Surveyor(s):		

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

Sl No.	Observation	Compliance remarks with evidence.
1	GREEN ENERGY PLEDGE	Executed as below.
	 <p><b>CARBON HANDPRINT - GREEN PLEDGE</b></p> <p><b>CARBON HANDPRINT</b> is a way to conserve our energy resources, keep the environment clean, follow eco-friendly measures and physically challenged and specially skilled personal's manoeuvrability friendly.</p> <p>We the Principal, the Staff and Students, adopt responsible practices in our daily activities with due regard to the environment. We set and continually review objectives and targets for achieving our goal to protect our entire college premises in front, backyard and all other non-approachable areas of all primary and secondary pollutions.</p> <p>We seek to compile with safety and environmental regulations to implement inhouse standards to improve our environmental performance. We commit ourselves to the safe operation of all our working habits, be it in classrooms, library, canteen, on road, off road, in-campus out-campus as well as at our place of stay. We adhere to reduce environmental load by efficiently using resources, saving energy, reducing waste, encouraging material recycle, with special emphasize to minimising emissions of greenhouse gases, ozone depleting substance and particle matter.</p> <p>We endure to minimise environmental loads and adopt environmentally friendly technologies when ordering and purchasing necessary products and resources. We endure to attend educational programs and promulgate our close friends and colleagues to follow suite. We endure to ensure that we recognize the essence of this Green policy by actively and aggressively conducting workshops and training to all in environmental concepts. We make wide ranging social contribution to close association with the students, teaching staff, administrative staff, housekeeping staff by disclosing environmental information and supporting environmental consumption.</p> <p style="text-align: right;">Principal J.N. Medical College, KAHER, Belagavi, Karnataka, India</p>	

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



GOOD PRACTICES:

Partially complied.

## Renewable energy

The institute has been promoting Green Energy by purchasing renewable energy through third party initiatives. The agreement signed and the Utility bills indicate that the institution plans of increasing the stake in green power.

# HUBLI ELECTRICITY SUPPLY COMPANY LIMITED

(Wholly owned Government of Karnataka Undertaking)

Bill for the month of  
Bill Date: 02.10.2020  
Payable on or before:  
Disconnection Date: 14.10.2020  
02.11.2020

To  
The Principal JAMC,  
Wettna Nagar, Belagavi,  
Belagavi.

"REVISED BILL"

(As per General Manager (Tech), HESCOM, Hubli On No. CYS-2197 Dt 24.09.2020)

Installation Information											
RR No:	HTS-106	Tariff Type:	HT-2 c II	Voltage Class:	11KV	Contract Demand:	1125	Meter Const:	6000	85% of CD:	956.25
Time zone (Hrs)	Recorded demand in (kva)	Energy (kwh) Final Reading	Energy (kwh) Initial Reading	Difference	Total Consumption	Actual Consumption as per 15 min block period	Actual Open access limits	units after deducting open access limits	wheeling Non captive energy in units	HESCOM units to be billed	PF
04 to 10	0.0821	234.80	228.25	6.55	39300	0	0	93500	34000	53500	
10 to 18		585.06	570.13	14.93	87580	0	0	89580	80000	9580	
18 to 22		285.33	277.73	7.60	45600	0	0	45600	38000	7600	
22 to 04	492.6000	429.11	417.11	12.00	72000	0	0	72000	51000	21000	0.943
Total		1634.30	1493.22	41.08	244480	0	0	244480	205000	41480	
SUB Meter-1		43962	43416	546	32760					32760	
SUB Meter-2		0	0	0	0					0	
Net Consumption					213720	0	0	244480	205000	8720	
Demand Charges								9.6 KVA @ Rs.	210	2007.60.00	
Demand Charges								0 KVA @ Rs.	420	0.00	
Demand Penalty Charges										200.769.10	
Total										Rs. 1,995,878	
Energy Charges for Tax purpose		Slab 1	Upto	100000 units	HT 2cII	100000 Units @ Rs.	7.80	780000			
		Slab 2	Above	100000 units	HT 2cII	112500 Units @ Rs.	8.20	926250			
		Slab 1	Upto	200000 units	HT 2b	32740 Units @ Rs.	8.45	276334			
		Slab 2	Above	200000 units	HT 2b	0 Units @ Rs.	8.75	0			
Total						244480		Rs. 1,995,878			
Energy Charges for Billing purpose		Slab 1	Upto	100000 units	HT 2cII	8720 Units @ Rs.	7.80	68016			
		Slab 2	Above	100000 units	HT 2cII	0 Units @ Rs.	8.20	0			
		Slab 1	Upto	200000 units	HT 2b	32740 Units @ Rs.	8.45	276334			
		Slab 2	Above	200000 units	HT 2b	0 Units @ Rs.	8.75	0			
Total						41480		Rs. 351,390			
TOD Billing											
04.00 Hrs to 10.00 Hrs						3300 Units @ Rs.	1.00	3300			
10.00 Hrs to 18.00 Hrs						1580 Units @ Rs.	0.00	0.00			
18.00 Hrs to 22.00 Hrs						7600 Units @ Rs.	1.00	7600			
22.00 Hrs to 04.00 Hrs						21000 Units @ Rs.	-1.00	-21000			
TOD Charges						41480		Rs. -10,100			
Total Energy Charges								Rs. 341,290			
Total Energy Charges								Rs. 341,290			
Fuel Adjustment Cost		@0P%/Unit				41480 Units @ Rs.	0.06	2489			
Cross subsidy charges						0 Units @ Rs.	1.90	0			
P.F.Surcharge (for power factor lesser than 0.90 lag)					Difference = -8.3	41480 Units @ Rs.	0.03	0			
H.V.Rebate						0 Units @ Rs.	-0.02	0			
Total Power Supply Charges								Rs. 544,539			
Electricity Tax on energy charges						Rs. 1,995,878 @ 9%		Rs. 179,429			
Wheeling Energy tax(Captive)		@10P%/Unit				Units @ Rs.	0.00	0			
Wheeling Energy tax(Non-Captive)		@13P%/Unit			Additional Surcharge	205000 Units @	Rs. 0.15	Rs. 30,750			
Total Charges for the month								Rs. 754,918			
Audit Short Claim											
Arrears											
Interest on tax arrears											
Interest on revenue arrears											
Reconnection Charges/meter reading charges											
Interest on Deposit											
TDS(-)											

NET PAYABLE AMOUNT

In Words

Rs. Seven Lakh Fifty Six Thousand Eight Hundred Sixty Four Only.

Rs. 756,864

For HESCOM Ltd.,

Assistant Executive Engineer (elc)  
O&M City Sub division 3, HESCOM, Belagavi

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

ಹುಬ್ಬಳ್ಳಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿಗಮಿತ  
(ಕಾರ್ಪೊರೇಟ್ ಸಂಸ್ಥೆಯಾಗಿ ನೋಂದಾಯಿತ)  
ನಿಗಮ ಕಛೇರಿ, ಹೂಬಳ್ಳಿ ಬೆಂಗಳೂರು ರಸ್ತೆ, ಸವನಗರ,  
ಹುಬ್ಬಳ್ಳಿ

Mobile No: 94483 70226 / 94490 81957  
website : <https://www.hescom.karnataka.gov.in>



**HUBLI ELECTRICITY SUPPLY  
COMPANY LIMITED**  
(Wholly owned Government of Karnataka undertaking)  
Corporate Office, P.B. Road, Navanagar,  
**HUBBALLI**  
e-mail 1 : [gnt.hescom@gmail.com](mailto:gnt.hescom@gmail.com);  
e-mail 2 : [ceptc.hescom@gmail.com](mailto:ceptc.hescom@gmail.com);

CIN: U31401KA2002SGC030437

No: HESCOM/GM(T)/PTC/1841/20-21/ **CYS-2196** . Date **24 SEP 2020**

### OFFICIAL MEMORANDUM

**Sub:** Allotment of wheeled energy generated by M/s. Doddanavar Global Energy Pvt. Ltd., 47MW WPP at Chikkodi Tq, Belgaum Dist., for the month of September - 2020.

**Ref:** 1. The Firm's 'C' Form No: DGEPL/W&B/C-Form/HESCOM/20-21/06A Dated: 19.09.2020

As per the consent vide letter under reference approval is hereby accorded to wheel the energy to the following installation to the extent noted against it for the month of September - 2020.

Sl No.	Name & Address of the Consumer	Division/ Sub-Division	Captive/ Non-Captive	RR. No	Time Slots	Units allotted in KWH
1.	M/s. Southern Ferro Steels Ltd Belur Indl Area, Dharwad.	Dharwad/ RSD	Non-Captive	DRHT-13	6AM to 10AM	1,40,000
					10AM to 6PM	2,80,000
					6PM to 10 PM	80,000
					10PM to 6 AM	0
2.	M/s. Tata Marcopolo Motors Ltd., Belur Indl Area, Dharwad.	Dharwad/ RSD		DRHT-74	6AM to 10AM	71,680
					10AM to 6PM	1,56,160
					6PM to 10 PM	28,160
					10PM to 6 AM	0
3.	M/s. Tata Motors Ltd., Belur Indl Area, Dharwad.	Dharwad/ RSD		DRHT-24	6AM to 10AM	22,000
					10AM to 6PM	36,000
					6PM to 10 PM	25,000
					10PM to 6 AM	47,000
4.	The Chairman, Arihant Sahakari Javali Girani Niyamit	Chikkodi/ Sadalaga		SDGHT-38	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	
5.	The Principal, JNMC, Nehru Nagar, Belagavi	CSD-3 / Belagavi		HTS-46	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	
6.	Vijayakanth Dairy & Food Products Ltd	Bailhongal		BHL-HT-43	6AM to 10AM	
					10AM to 6PM	
					6PM to 10 PM	
					10PM to 6 AM	


#### This allotment of wheeling energy is subject to the following conditions:

1. Rebate on wheeling units is not applicable as per tariff order.
2. This quota of energy does not require billing as it is allotted from the energy banked by IPPs from their power plants. This quota of energy does not attract fuel escalation charges also.
3. This is however subject to verification of post audit/ HT audit.
4. This wheeled energy allotted does not attract any additional 2 MMD charges.
5. This quota of energy wheeled to those Industrial consumers for whom KPTCL / HESCOM Ltd., has permitted to pay arrears in installments or at a later date and paid in time. But this should not be wheeled to installations having arrears due to pending Court Cases, appeals etc., and also to those installations having arrears for which KPTCL / HESCOM has not permitted installment facility.

ನೋಂದಾಯಿತ ಕಛೇರಿ: ನಿಗಮ ಕಛೇರಿ, ಹುಬ್ಬಳ್ಳಿ, ಪ.ಬಿ. ರೋಡ್, ಸವನಗರ, ಹುಬ್ಬಳ್ಳಿ - 580 025  
Registered Office: Corporate Office, HESCOM, P.B. Road, Navanagar, Hubballi - 580 025

THOUGHT FOR EVERY MOMENT

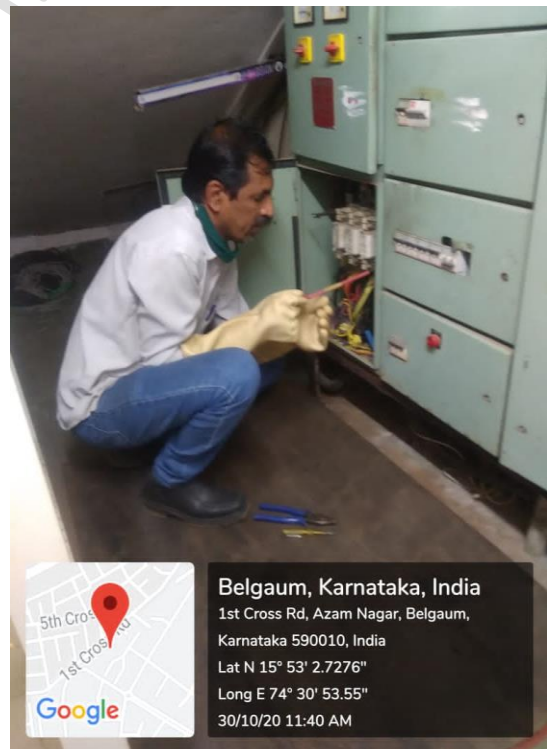
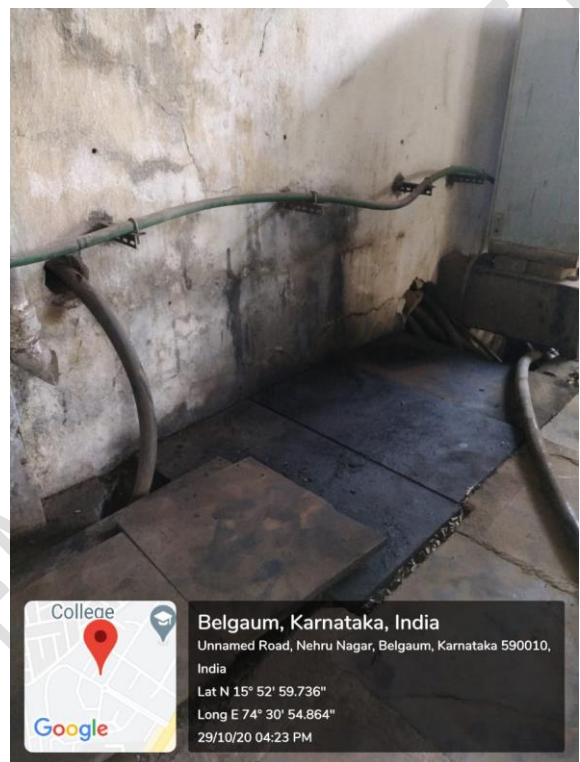
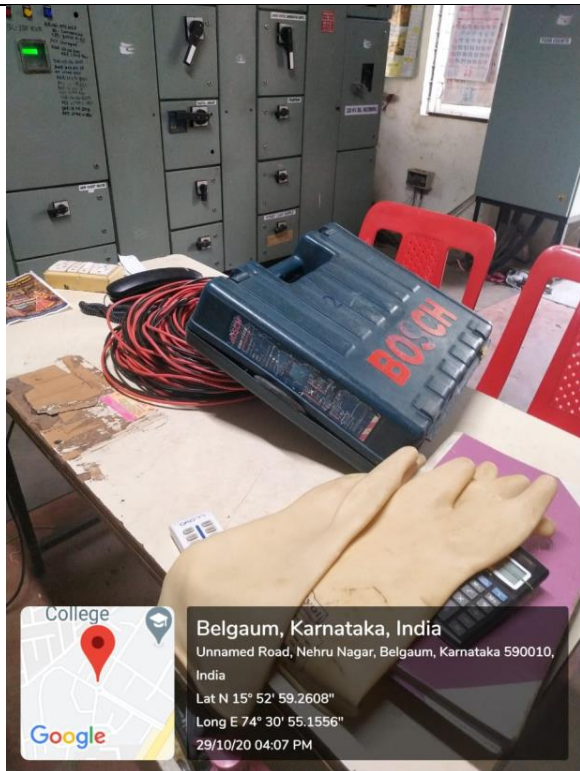
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

	ORGANIC WASTE COMPOST.	<p>Complied. Centralised system has been put to order.</p> 
	Energy use (ABUSE): Need based Lighting. Occupancy sensors etc.,	Learnt that the indent has been raised and work allotment is in progress.
	Lab technician training on Energy Use	<p>In-progress. On-site training is planed and should be possible on normalisation of the situation.</p> <p>We suggested to consider Online training.</p>
	See through windows	Partially complied. Opaque glasses have been done and in rest of the areas the work is in progress.
	Personal Protective Equipment.	Complied as per below illustrations.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

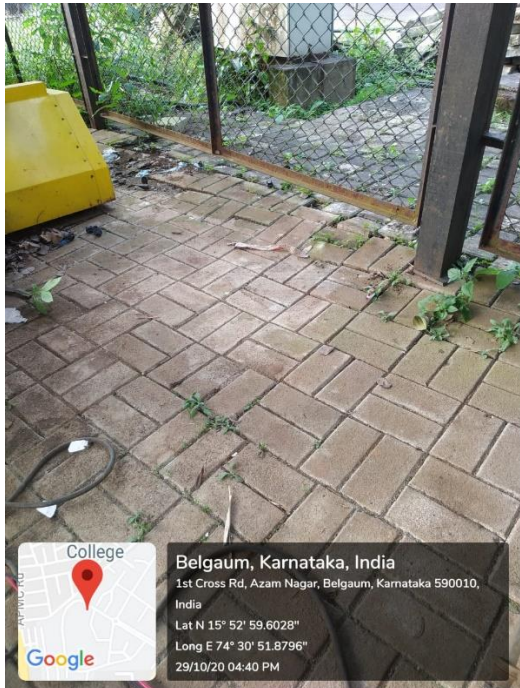
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



	Laying of ug cables in the campus:	Complied as per below illustration.
	Electrical Earthing	In progress, Naming and date of service needs to be displayed prominently.
	Equipment earthing	To be complied.
	Electrical Safety :	PPE kits are being used while performing electrical staff.
	Fire safety Instructions.	Need to be complied. Training the laboratory assistant and the like is yet to be done.
	Transformer	The issues continue to exist and it is being considered to replace the same with new energy efficient transformer.
	Construction waste dump	The waste has been cleared. Need to specify a specific area for future dumping.
	solid waste classification	Initiated.
	Organic waste composting	Initiated
	Green asset treats	Although the pointer discussed in the report has been cleared, there

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
 This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.


		do exist other areas where the trees have been strangled and hinder the growth. Need to relook.
	classified waste collection bins	Complied.
	Rainwater management.	Old system is in place, need to relook into and improve the system, considering the factors discussed in the primary report.
	Battery management	<p><b>The dumped batteries have been moved out.</b></p> <p>The action plan on handling the used batteries has to be displayed. They may be put to regeneration and avoid purchase of new set of batteries.</p> 

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,

SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

	Water conservation	<p>Complied but need effectiveness.</p>  <p>Belgaum, Karnataka, India 1st Cross Rd, Azam Nagar, Belgaum, Karnataka 590010, India Lat N 15° 53' 2.382" Long E 74° 30' 54.0288" 04/11/20 05:09 PM</p>
	LPG Gas storage and utilisation.	Not initiated, Reported to be due to COVID situation.
	HACCP compliance	Not initiated, Reported to be due to COVID situation.
	Utility Management	Complied.
	Food waste	Not initiated, Reported to be due to COVID situation.
	Indoor Air Quality	Needs to be initiated. A detailed briefing is planed. Online traing and webinar is planed to understand the issues in depth.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

	Fire safety devices	Partially complied. Need to refurbish and its application method prominently displayed.
	More onsite evidence as made available are listed at the end of the report under glossary section.	

ENERGY AUDIT REPORT - 2021

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



## 1. **ACKNOWLEDGEMENT:**

SUNSHUBH TECHNOVATIONS PVT LTD., is pleased to express its sincere gratitude to the management of **KLE's JNMC Medical College, BELAGAVI**, for entrusting SUNSHUBH TECHNOVATIONS PVT LTD., with the assignment on Green Earth practices based on Educate, Practice, Advocate & Manage the resources in their educational organization.

We also wish to thank the officials and the maintenance staff for the help rendered during the energy flow study.

We would fail if we neglect to appreciate the sincere efforts put in by the Faculty

- Dr. Mahantshetti N S (Principal),
- Dr Manasi Gosavi. (Project Co-Ordinator)
- Dr. Manisha More

and the Students who against all odds have kept the college premises clean to the possible limits. Without the crucial and significant support from the fellow teaching team the energy savings and carbon footprint reduction would not be a reality.

We appreciate the Coordinated effort of Mr. V. Nishandar Chief Engineer, Mr. Prasad Thorat Electrical Engineer and his team of electrical staff. Mr. C K Patil, Civil Engineer and his team. Not to forget Mr. Anil Amminabhavi who took special interest in showing us the campus and the problems encountered in the campus.

With the motivational support of the management, ground realistic support from teaching team and sincere efforts of the students in incorporating the change (habits) and instructions, the college could effectively declare the reduction in Carbon footprint and optimize the waste reductions.

We are not in a position to compute the carbon foot print at this point of time as the basic information from each of the students is yet to be collected; however, **we will discuss the Carbon Foot print in the follow up compliance report.**

Wishing the team, a great success we deeply express our gratitude and heartfelt "THANKYOU" for allowing us to assess the energy flow scenario there by the GREEN STATUS.

Mallikarjun A. Kambalyal. B.E.(E&C).

Certified Energy Auditors (EA-3485)

SUNSHUBH TECHNOVATIONS PVT LTD.,

---

### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

## **2. LIMITATIONS:**

Our observations and recommendations tabled above are in the interest of conservation of Electrical Energy and Green Culture i.e. the reduction in CARBON FOOTPRINT. The compliance to the recommendations are to be reviewed and improved upon for the safety of the work staff and compliance of legal requirements as per Environmental rules and guidelines.

## **3. AUTHENTICATION & DATE OF COMPLIANCE GREEN AUDIT:**

This GREEN Audit has been carried out on 26<sup>TH</sup> December 2020 under the instructions of Dr. Mahantshetti N S (Principal), and in the presence of supporting staff. The compliance audit has been carried out on various dates and the same should reflect in the geotagged photos.

## **4. ABOUT GREEN AUDIT:**

**KLE's JNMC Medical College, BELAGAVI**, has asked SUNSHUBH TECHNOVATIONS PVT LTD., Hubli., to conduct the GREEN Audit for their Institution.

In this context, the management of the Institute represented by Dr. Mahantshetti N S (Principal) entrusted us the task of conducting the feasibility study to reduce energy consumption and adopt green habits.

SUNSHUBH TECHNOVATIONS PVT LTD., represented by Mr. Mallikarjun A. Kambalyal made a detailed study and readings of various appliances were taken and carried out the GREEN audit along with the safety parameters.

Based on the information available and the requirements put before us, it was decided to submit the report in two parts,

1. GREEN AUDIT where in pollution Preventive measures are necessary
2. ELECTRICAL ENERGY EFFICIENCY – CONSERVATION within the college

We hope the points presented will be self-explanatory, if there is need for any clarification, we are open for discussions.

## 5. ONGOING STATUS:

It's an optimistic & highly dedicated team effort lead by the Principal & the senior staff who have initiated corrective measures and continue to dedicate all their wits & time to initiate Green Carpeting the entire college premises. It is also a fact that there do exist, few more short comings which however is unintentional & on further training & education.

With all due appreciation to the management , staff involved & cooperation by the students, we have made few suggestions which on implementation, will reduce, demand for water & electrical power. It will also reduce the existing level of pollution to bear minimum.

There is high potential among the students to be educated and spread the knowledge of going ZERO waste generation in their respective colonies and society they dwell in, contributing positively to the cause of

**NO WASTE – NO POLLUTION – NO HEALTH HAZARD.**

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

## Glossary.

THOUGHT FOR EVERY MOMENT

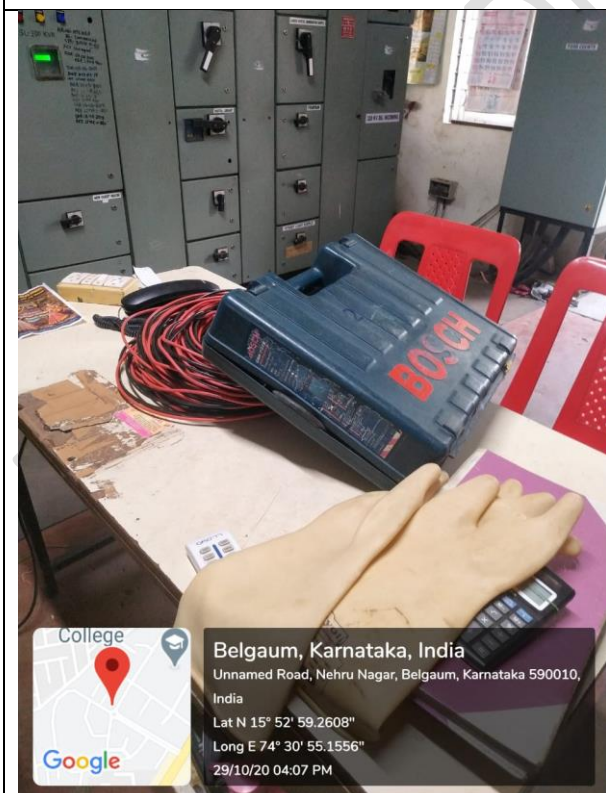
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

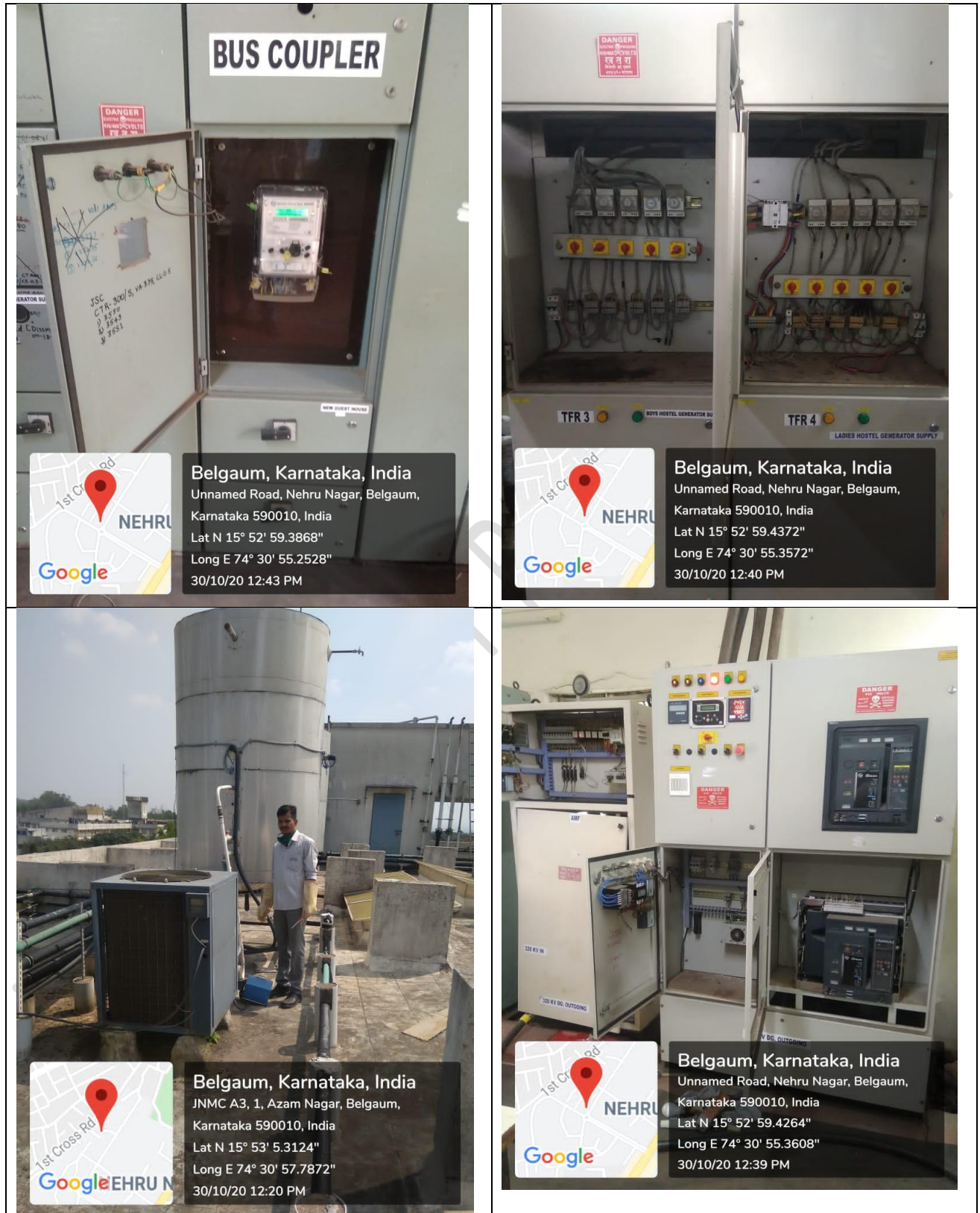
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

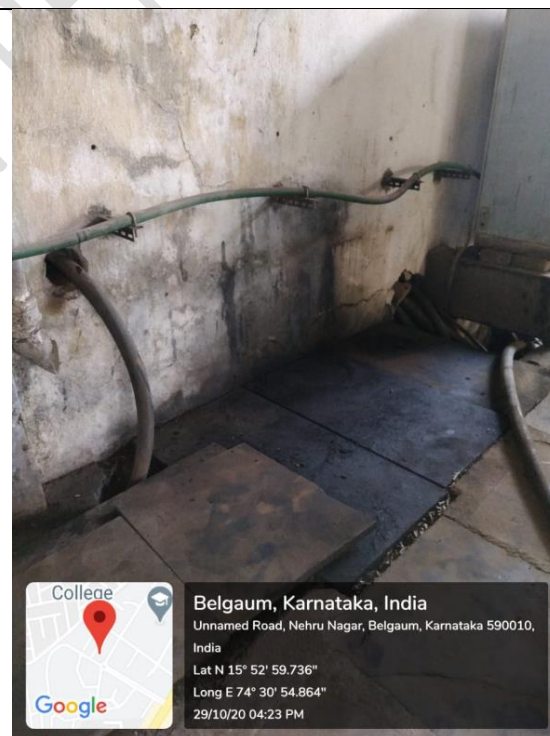
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

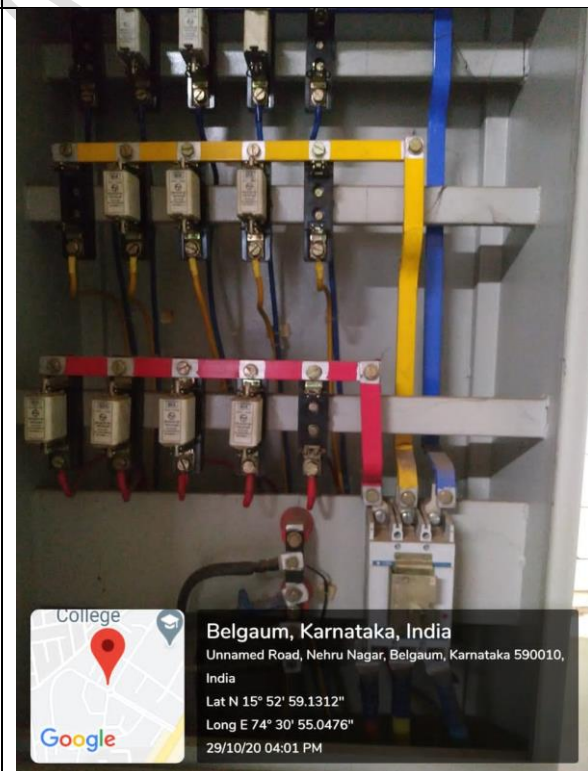
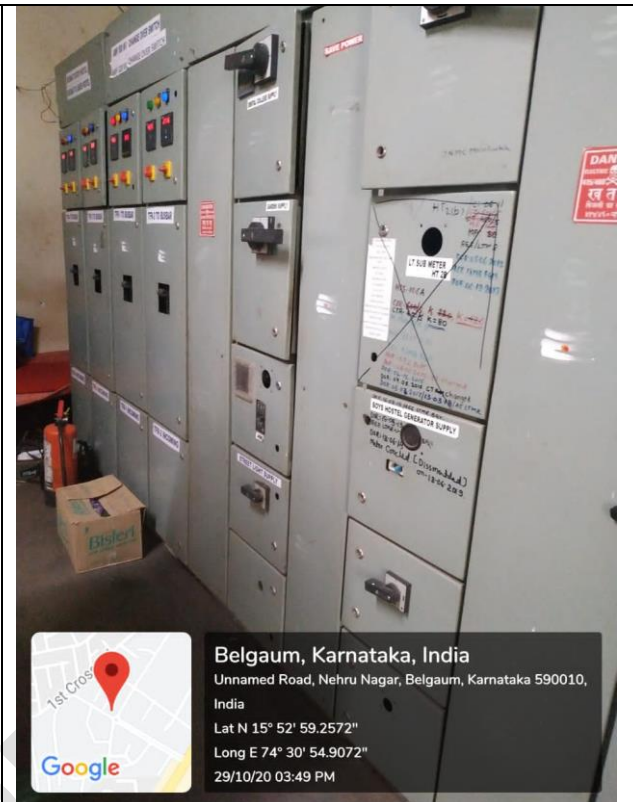
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

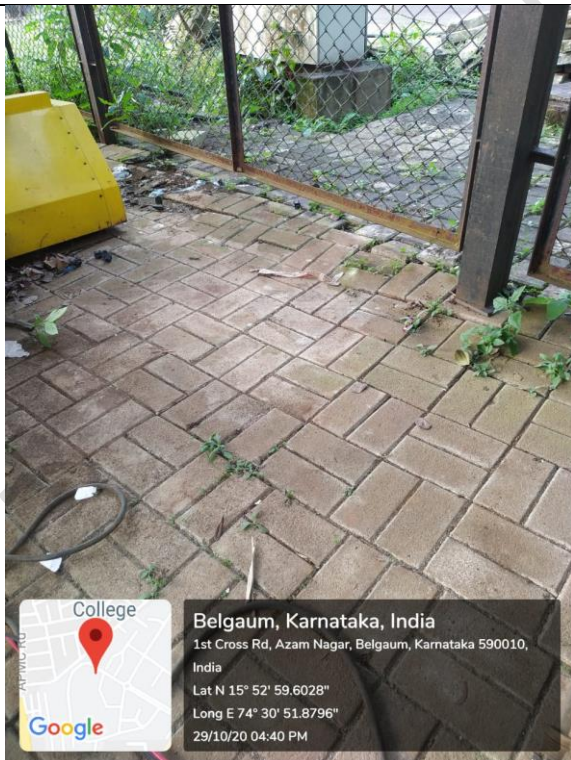
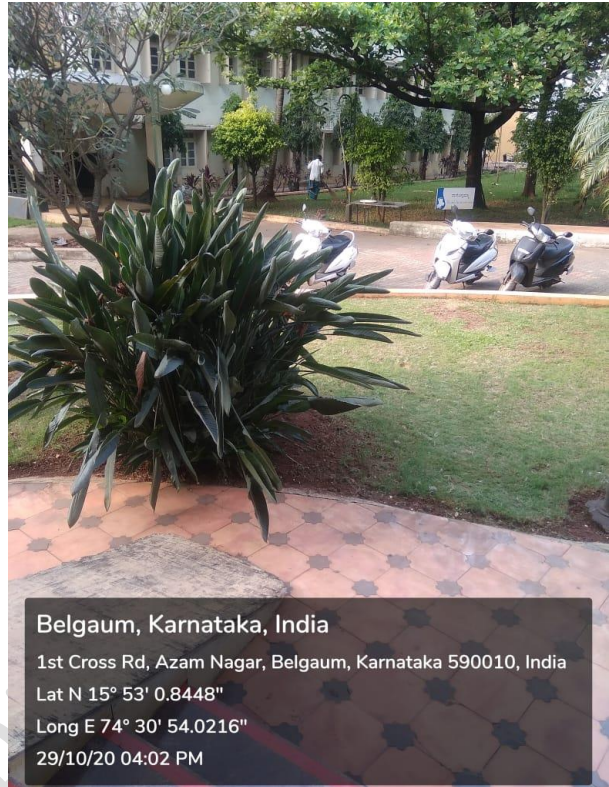




#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

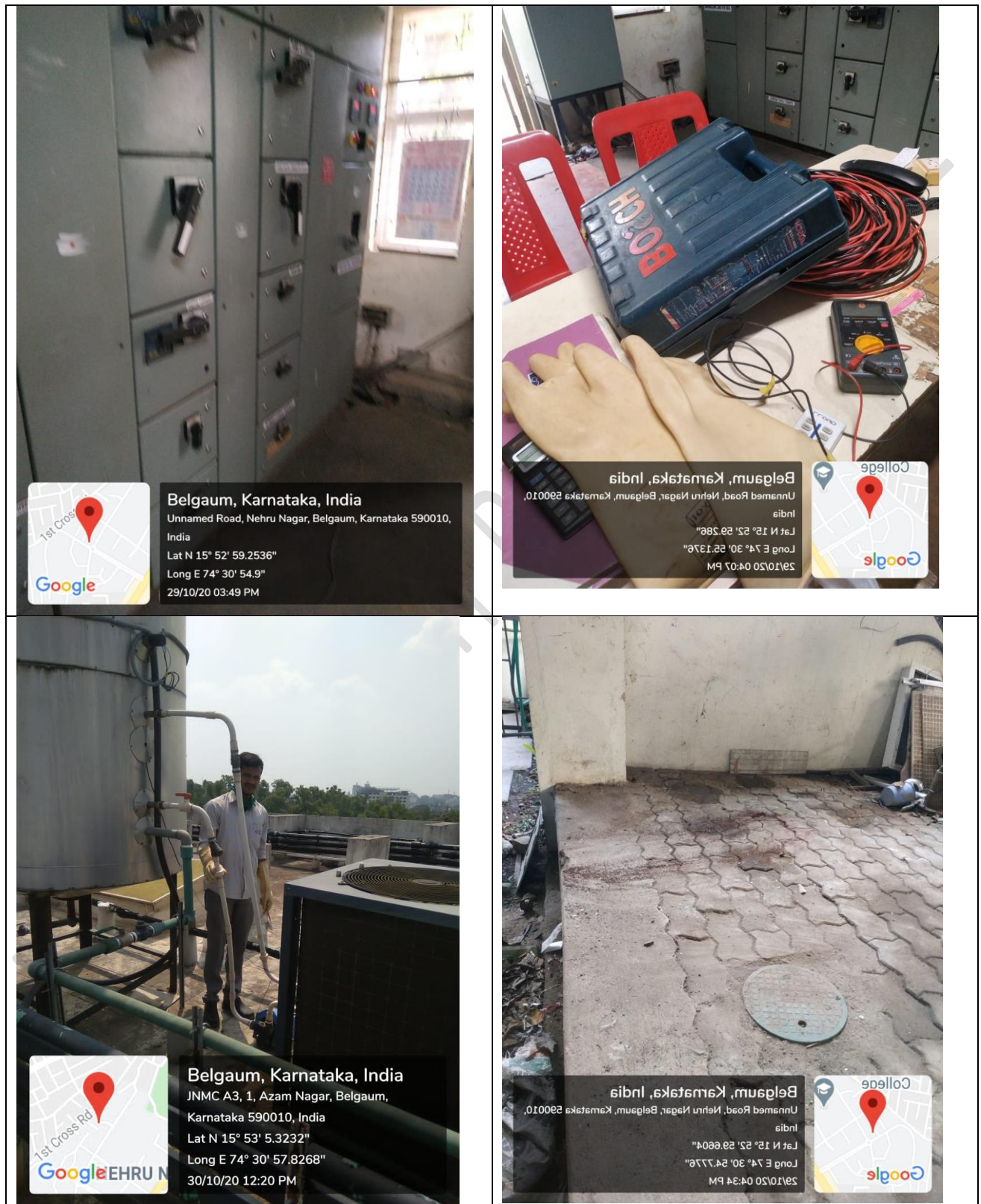




THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

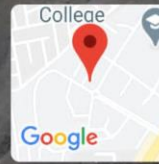




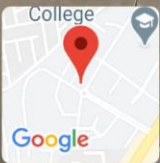
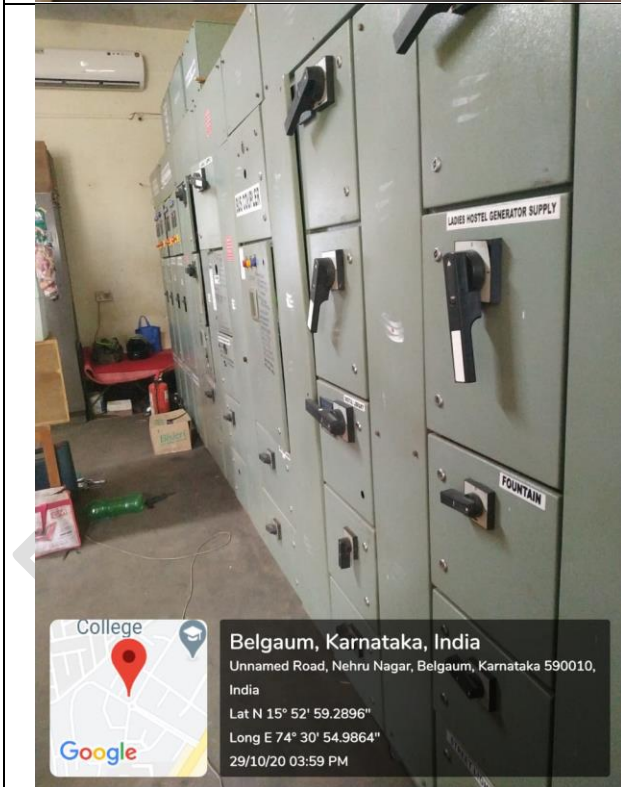
#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

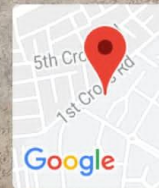
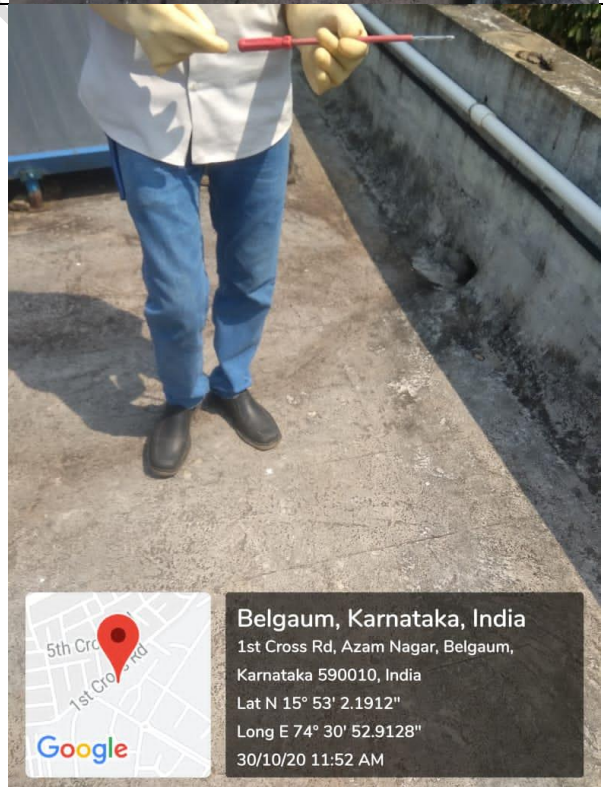




**Belgaum, Karnataka, India**  
Unnamed Road, Nehru Nagar, Belgaum, Karnataka 590010,  
India  
Lat N 15° 52' 59.6316"  
Long E 74° 30' 54.7776"  
29/10/20 04:34 PM



**Belgaum, Karnataka, India**  
Unnamed Road, Nehru Nagar, Belgaum, Karnataka 590010,  
India  
Lat N 15° 52' 59.2896"  
Long E 74° 30' 54.9864"  
29/10/20 03:59 PM

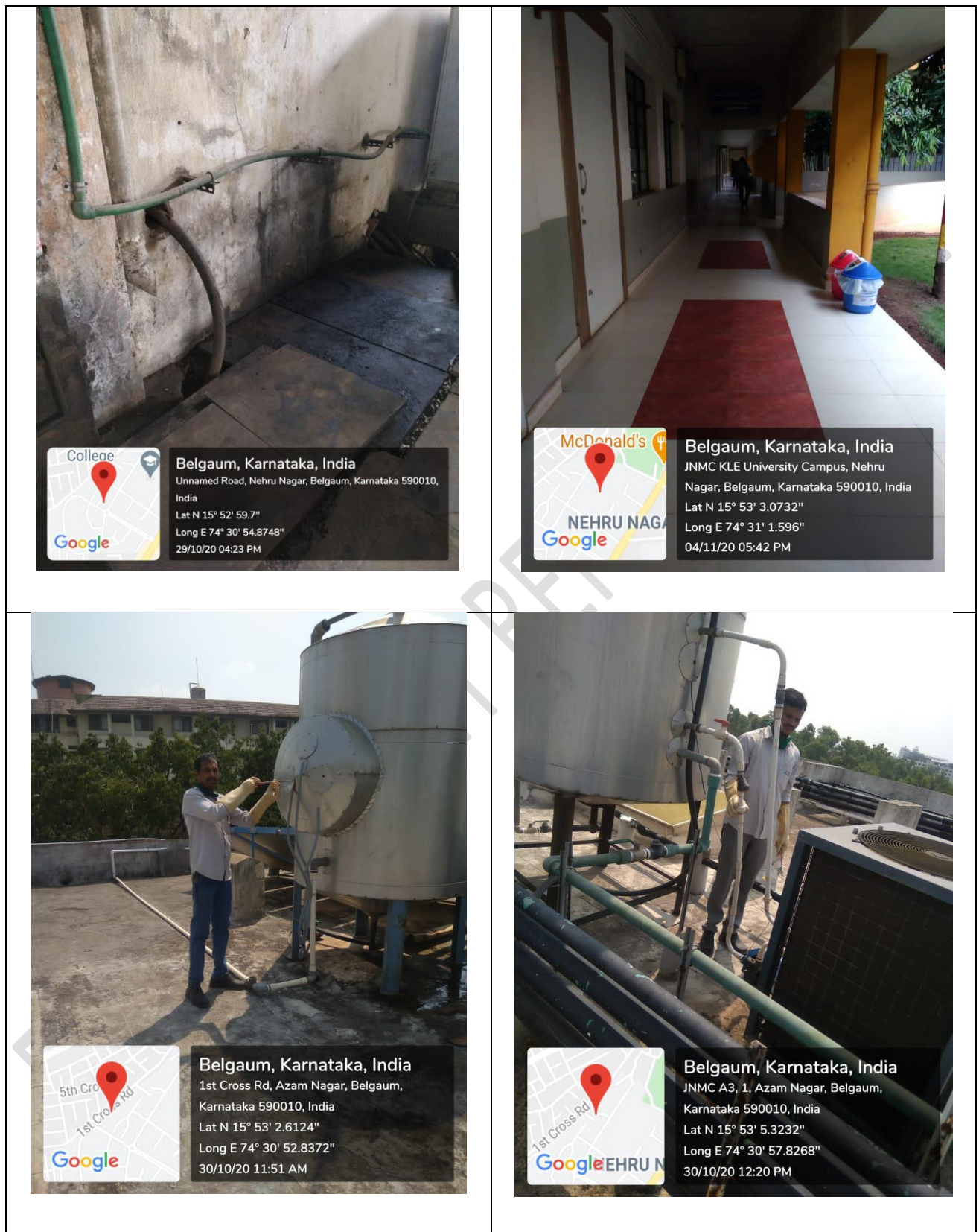


**Belgaum, Karnataka, India**  
1st Cross Rd, Azam Nagar, Belgaum,  
Karnataka 590010, India  
Lat N 15° 53' 2.1912"  
Long E 74° 30' 52.9128"  
30/10/20 11:52 AM

#### THOUGHT FOR EVERY MOMENT

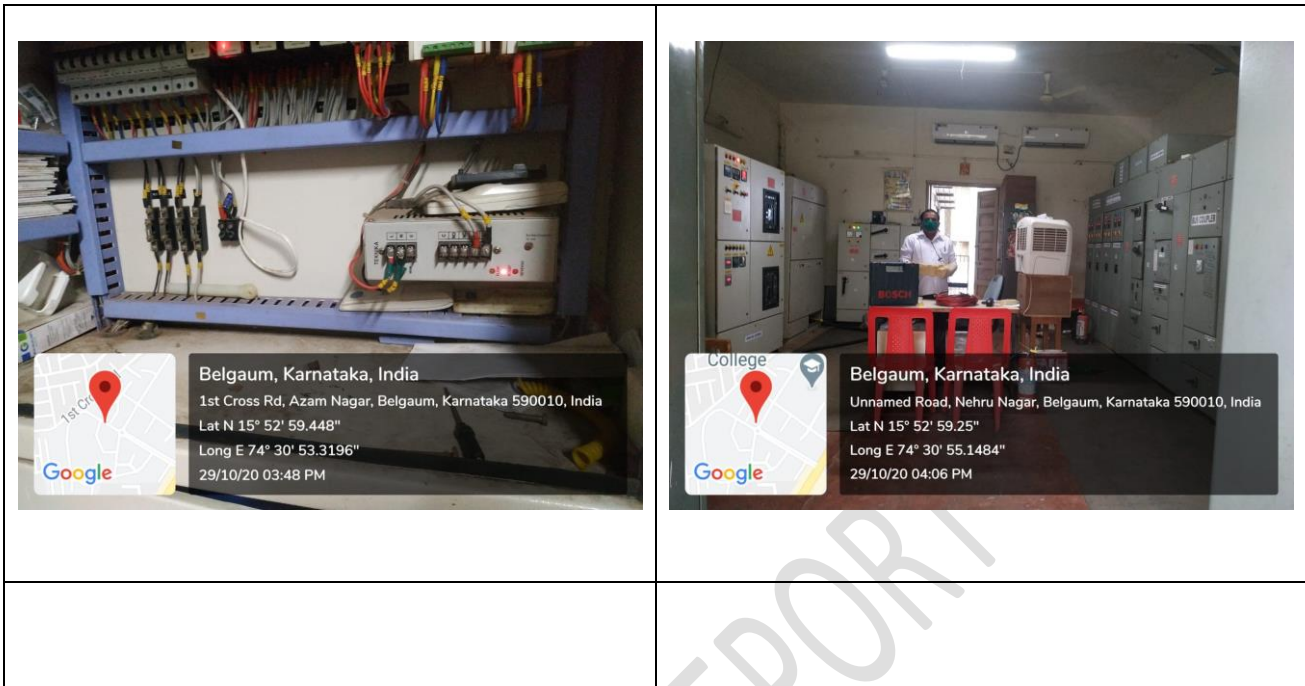
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



# Environment Audit

## Compliance Report 2020 – 21

in compliance with the statutory requirements under the NAAC accreditation procedures



Principal Lead Auditor:  
Mallikarjun A Kambalyal. CEA, ISO 50001, 14001 Lead Auditor.

Audited by:  
**SUNBSHUBH TECHNOVATIONS PVT LTD.,**  
120-2, LGF, 'A' wing, IT Park,  
Hubli – 580029. Karnataka. India.  
German off: Neuer Weg 166, 47803 Krefeld,  
Dusseldorf. Germany Anbieter-Nr 1041388





ENERGY AUDIT REPORT - 2021


---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

**SUNSHUBH TECHNOVATIONS PVT LTD**

#120-122,131-2, 'A' Block, IT Park, Opp. Glass House, HUBLI-580 029. Karnataka, INDIA

WATER	ENERGY	POLLUTION	ORGANIC	
Harvesting	Efficiency	Minimize	Farming	
Conservation	Conservation	Eliminate	Worm compost	
Management	Generation	Manage	Benefits	
Certified Energy Auditors. Govt. Of India (EA 3485), ISO 50001, ISO 14001 Lead Auditor				

[www.sunshubhrenewables.com](http://www.sunshubhrenewables.com), Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com), Ph: 94492-83505, 94490 33505

CIN : U74999KA2020PTC136321, PAN:ABECS0250Q, TAN:BLRS77362F GST No: 29ABECS0250Q1ZX

**ENVIRONMENT AUDIT COMPLIANCE CERTIFICATE**

We, certify that this compliance report is based on the site visits and evidence collected from the site. Any modifications, changes, omissions after the site visit shall be exclusive. All attempts have been made to evaluate the scope for development and inculcate green practices in the campus and extended to out of campus. The focus is also laid to make positive impact on the society for a better living. In case the institution needs demonstration, we shall be happy to do so. We present this report to fulfil the citizens moral responsibilities much more than the legal or mandatory compliances.

Work order : Ref No. MDC/ELECT/1515 Dated – 21/11/2019

Date of Audit : 24<sup>th</sup> Feb 2020 to 29<sup>th</sup> Feb 2020.

Conducted by:

Mallikarjun A. Kambalyal B.E (E&amp;C)

Certified Energy Auditors EA-3485&amp; ISO 50001:2011 &amp; ISO14001:2015 Lead Auditor.

**SUNSHUBH TECHNOVATIONS PVT LTD.,**#120-2, 131/2 'A' Wing, IT Park, Opp. Glass House,  
Hubli-580029, KARNATAKA INDIAPh: 0836-2350505, +91 9449033505 Email: [ceo@sunshubhrenewables.com](mailto:ceo@sunshubhrenewables.com)Website: [www.sunshubhrenewables.com](http://www.sunshubhrenewables.com)**THOUGHT FOR EVERY MOMENT**

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year.

**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

ENERGY AUDIT REPORT - 2021

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





## BUREAU OF ENERGY EFFICIENCY



Examination Registration No. : **EA-3485** Serial Number **2838**

Certificate Registration No. : **2838**

### Certificate For Certified Energy Manager

This is to certify that Mr./Mrs./Ms. **Mallikarjun A Kambalyal**  
Son/Daughter of Mr./Mrs. **Andanappa V Kambalyal** who has passed the National  
Examination for certification of energy manager held in the month of **April 2006** is  
qualified as certified energy manager subject to the provisions of Bureau of Energy Efficiency  
(Certification Procedures for Energy Managers) Regulations, 2010.

This certificate shall be valid for five years with effect from the date of award of this certificate  
and shall be renewable subject to attending the prescribed refresher training course once in every  
five years.

His /Her name has been entered in the Register of certified energy manager  
at Serial Number **2838** being maintained by the Bureau of Energy Efficiency under the  
aforesaid regulations.

Mr./Mrs./Ms. **Mallikarjun A Kambalyal** is deemed to have qualified  
for appointment or designation as energy manager under clause (I) of Section 14 of the Energy  
Conservation Act, 2001 (Act No.52 of 2001).

Given under the seal of the Bureau of Energy Efficiency, this **7<sup>th</sup>** day  
of **February, 2013**

Secretary  
Bureau of Energy Efficiency  
New Delhi

Dates of attending the refresher course	Secretary's Signature	Dates of attending the refresher course	Secretary's Signature
<b>28.01.2020</b>			

Bureau of Energy Efficiency Regd No: EA3485

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

## Certificate of Successful Completion

**Intertek**

*This is to Certify that*

**MALLIKARJUN A KAMBALYAL**

*has successfully completed the*

**Intertek**

### **CQI & IRCA Certified ISO 14001:2015 Auditor Conversion Training Course**

*The Course includes the assessment and evaluation of Environmental Management Systems to conform to the requirements of ISO 14001:2015 and ISO 19011:2011*

*This course is certified by the Chartered Quality Institute (CQI) and the  
International Register of Certificated Auditors (IRCA)  
– IRCA REFERENCE 18093 –*

*The course meets the training requirements for individuals seeking certification  
under the IRCA Auditor Certification Schemes*



Authorising Signature: *Vypra Astumova*

Course Dates: 14<sup>th</sup> – 16<sup>th</sup> July 2017

Certificate Number: 47730

Membership Application To Be Made Within 3 Years From Last Day of Course



121807

ISO Certified Lead Auditor. Certificate No: 47730

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**ISO Certified Lead Auditor. Certificate No: ENR-00253448**

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



EXECUTIVE SUMMARY.

ENVIRONMENT AUDIT				
Observations/Recommendations.	Status	Complied	In progress	To be Complied
Green Pledge		Complied		
Window glass see through	classroom and lab windows are covered	Complied		
Organic waste dump	done	Complied		
Construction waste dump	have separate space for dump.	Complied		
solid waste classification	have separate space for dump.	Complied		
Organic waste composting	vermi compost unit	Complied		
Green asset treats		Complied		
classified waste collection bins	wet and dry waste bins provided in campus	Complied		
Rainwater management	rain water harvesting done with filter	Complied		
Water conservation		Complied		
Battery management	reselling while buying new batteries.	Complied		
LPG Gas storage and utilisation.	will be done under progress		In progress	
HACCP compliance	will be done under progress		In progress	
Utility Management			In progress	
Food waste	wet and dry waste bins provided in campus	Complied		
Indoor Air Quality	planting more tree and increasing gardening.	Complied		
Fire safety devices	abc,co2,etc cylinders and 10kg 2 mobile cylinders are purchased.all cylinders are up to date,and also have smoke detectors sensors in certain labs.	Complied		

  
ELECTRICAL ENGINEER  
JNMC, BELAGAVI

Comments

The college team has confirmed by mail and the compliance table is made available for that the recommendations. The same have been reviewed and have been verified.

We have gathered evidence and reproduced the same along with our comments for acceptance and/or for further improvements.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

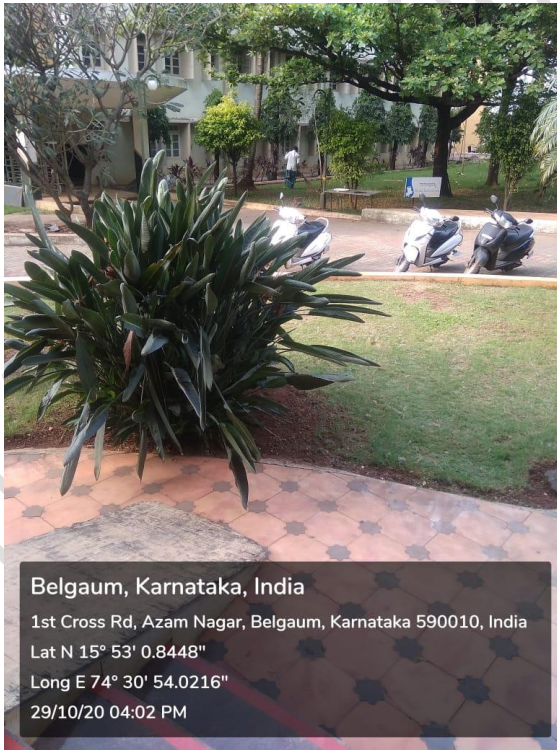
## Compliance status

The report is supplementary to the original report and should be read and compared to the observations made accordingly.

ENVIRONMENT AUDIT	
Green Pledge	<p>Complied, photo poster presented as below.</p> 
Window glass see through	Need to be relooked into as we found lapses.

### THOUGHT FOR EVERY MOMENT

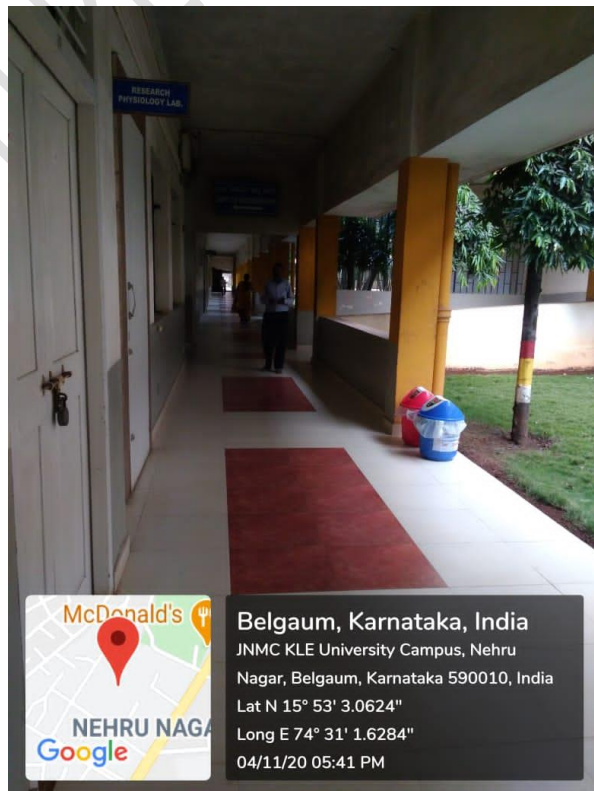
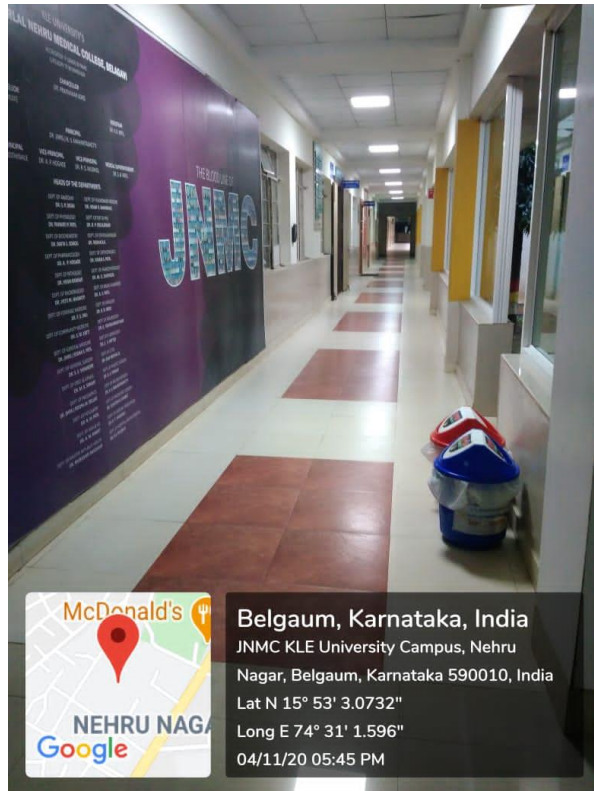
There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

Organic waste dump	<p>Complied.partially.</p> <p>Need to identify area specific points for localised pooling of all the organic dump to prevent flyoff.</p>
Construction waste dump	<p>Cleared the existing dump. Need to identify a specific location and prominently tag it to pool the waste before final disposal.</p>  <p>Belgaum, Karnataka, India 1st Cross Rd, Azam Nagar, Belgaum, Karnataka 590010, India Lat N 15° 53' 0.8448" Long E 74° 30' 54.0216" 29/10/20 04:02 PM</p>
Solid waste classification	<p>Complied. Need to place the waste bins in front of every room for easy handling.</p>

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

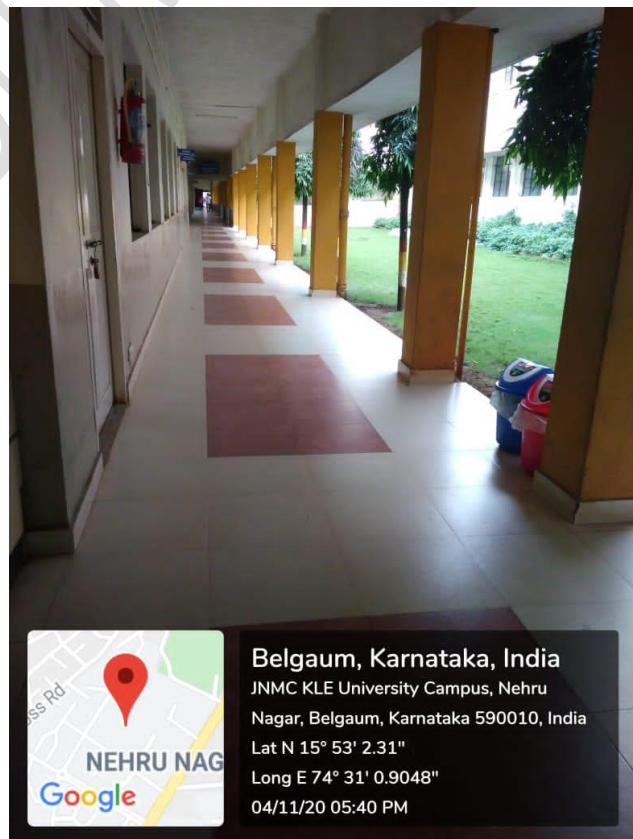




#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.


This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.

This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

Organic waste composting	<p>Complied.</p>  <p>Belgaum, Karnataka, India Corporation Complex, APMC Road, Nehru Nagar, Belgaum, Karnataka 590010, India Lat N 15° 52' 53.6736" Long E 74° 30' 47.4696" 04/11/20 05:14 PM</p>
Green asset treats	Not identified.
classified waste collection bins	Complied however need to label them.
Rainwater management.	Not complied, however it is proposed to take up soon.
Water conservation	Partially complied, need organised harvesting plan.
Battery management	Not complied. As per the briefing, since the proposal is capital intensive, the same is expected to be budgeted in the coming academic year.
LPG Gas storage and utilisation.	Not initiated due to PANDEMIC issues.
HACCP compliance	The college remains in operational partially, hence it is said that the action would be taken soon after commencement of regular classes.
Utility Management	Needs budgeting.
Food waste	It is briefed that it is not in operation as the canteen/mess is not in operation. But the same has been planned.
Indoor Air Quality	Need to be addressed once college starts.
Fire safety devices	In place but no information on its refill and use has been displayed.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.



**ACKNOWLEDGEMENT:**

SUNSHUBH TECHNOVATIONS PVT LTD., is pleased to express its sincere gratitude to the management of **KLE's JNMC Medical College, BELAGAVI**, for entrusting SUNSHUBH TECHNOVATIONS PVT LTD., with the assignment on Green Earth practices based on Educate, Practice, Advocate & Manage the resources in their educational organization.

We also wish to thank the officials and the maintenance staff for the help rendered during the energy flow study.

We would fail if we neglect to appreciate the sincere efforts put in by the Faculty

- Dr. Mahantshetti N S (Principal),
- Dr Manasi Gosavi. (Project Co-Ordinator)
- Dr. Manisha More

and the Students who against all odds have kept the college premises clean to the possible limits. Without the crucial and significant support from the fellow teaching team the energy savings and carbon footprint reduction would not be a reality.

We appreciate the Coordinated effort of Mr. V. Nishandar Chief Engineer, Mr. Prasad Thorat Electrical Engineer and his team of electrical staff. Mr. C K Patil, Civil Engineer and his team. Not to forget Mr. Anil Amminabhavi who took special interest in showing us the campus and the problems encountered in the campus.

With the motivational support of the management, ground realistic support from teaching team and sincere efforts of the students in incorporating the change (habits) and instructions, the college could effectively declare the reduction in Carbon footprint and optimize the waste reductions.

We are not in a position to compute the carbon foot print at this point of time as the basic information from each of the students is yet to be collected; however, **we will discuss the Carbon Foot print in the follow up compliance report.**

Wishing the team, a great success we deeply express our gratitude and heartfelt "THANKYOU" for allowing us to assess the energy flow scenario there by the GREEN STATUS.

Mallikarjun A. Kambalyal. B.E.(E&C).

Certified Energy Auditors (EA-3485)

SUNSHUBH TECHNOVATIONS PVT LTD.,

---

**THOUGHT FOR EVERY MOMENT**

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day.  
This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
**SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.**

## 1. **LIMITATIONS:**

Our observations and recommendations tabled above are in the interest of conservation of Electrical Energy and Green Culture i.e. the reduction in CARBON FOOTPRINT. The compliance to the recommendations are to be reviewed and improved upon for the safety of the work staff and compliance of legal requirements as per Environmental rules and guidelines.

## 2. **AUTHENTICATION & DATE OF COMPLIANCE ENERGY AUDIT:**

This ENERGY Audit has been carried out on 26<sup>TH</sup> December 2020 under the instructions of Dr. Mahantshetti N S (Principal), and in the presence of supporting staff. The compliance audit has been carried out on various dates and the same should reflect in the geotagged photos.

## 3. **ABOUT ENERGY AUDIT:**

**KLE's JNMC Medical College, BELAGAVI**, has asked SUNSHUBH TECHNOVATIONS PVT LTD., Hubli., to conduct the ENERGY Energy Audit for their Institution.

In this context, the management of the Institute represented by Dr. Mahantshetti N S (Principal) entrusted us the task of conducting the feasibility study to reduce energy consumption and adopt green habits.

SUNSHUBH TECHNOVATIONS PVT LTD., represented by Mr. Mallikarjun A. Kambalyal made a detailed study and readings of various appliances were taken and carried out the ENERGY audit along with the safety parameters.

Based on the information available and the requirements put before us, it was decided to submit the report in two parts,

1. GREEN AUDIT where in pollution Preventive measures are necessary
2. ELECTRICAL ENERGY EFFICIENCY – CONSERVATION within the college

We hope the points presented will be self-explanatory, if there is need for any clarification, we are open for discussions.

#### 4. **ONGOING STATUS:**

It's an optimistic & highly dedicated team effort lead by the Principal & the senior staff who have initiated corrective measures and continue to dedicate all their wits & time to initiate Green Carpeting the entire college premises. It is also a fact that there do exist, few more short comings which however is unintentional & on further training & education.

With all due appreciation to the management , staff involved & cooperation by the students, we have made few suggestions which on implementation, will reduce, demand for water & electrical power. It will also reduce the existing level of pollution to bear minimum.

There is high potential among the students to be educated and spread the knowledge of going ZERO waste generation in their respective colonies and society they dwell in, contributing positively to the cause of

**NO WASTE – NO POLLUTION – NO HEALTH HAZARD.**

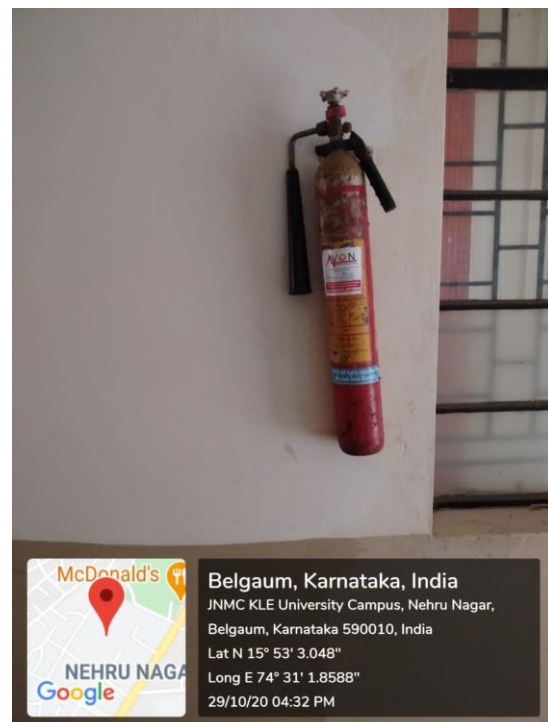
---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

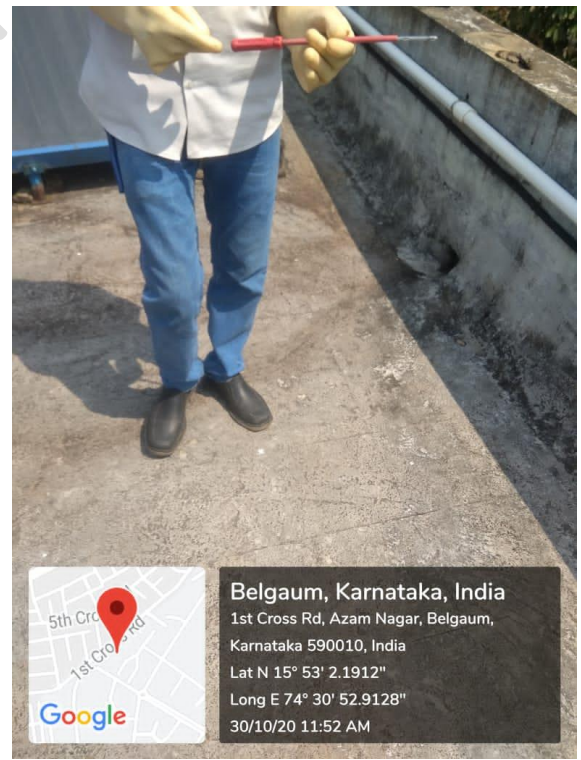
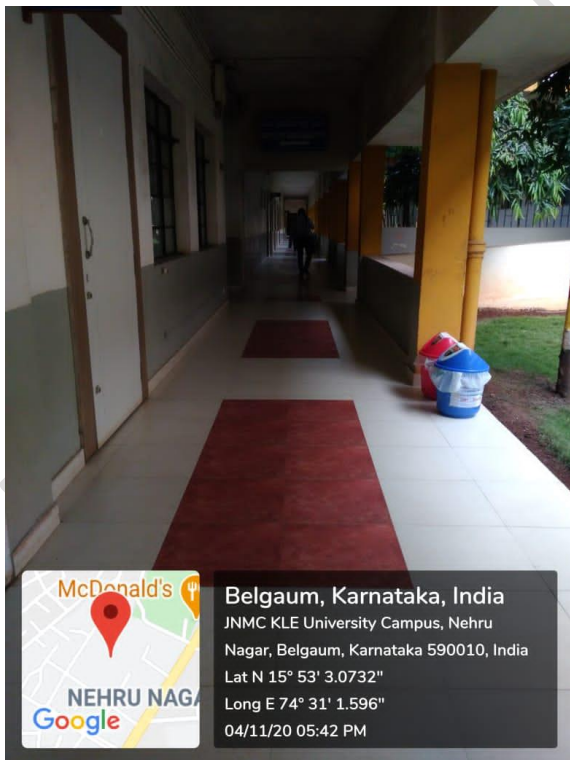
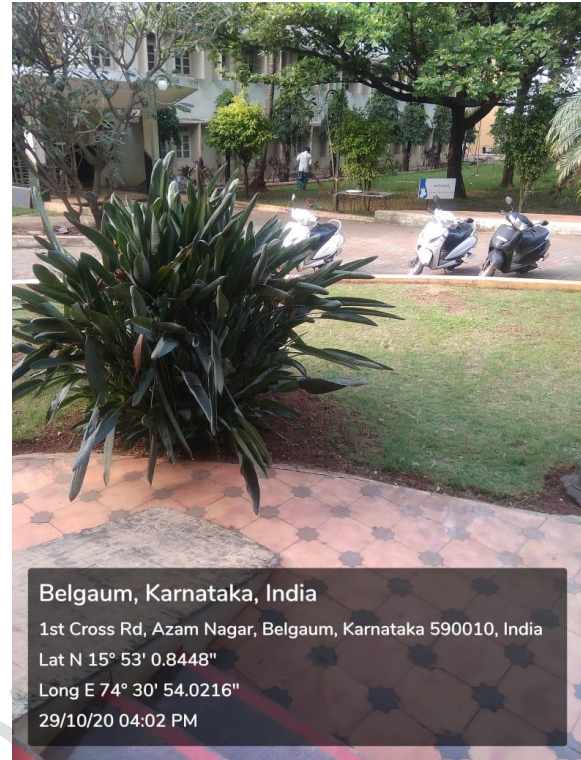
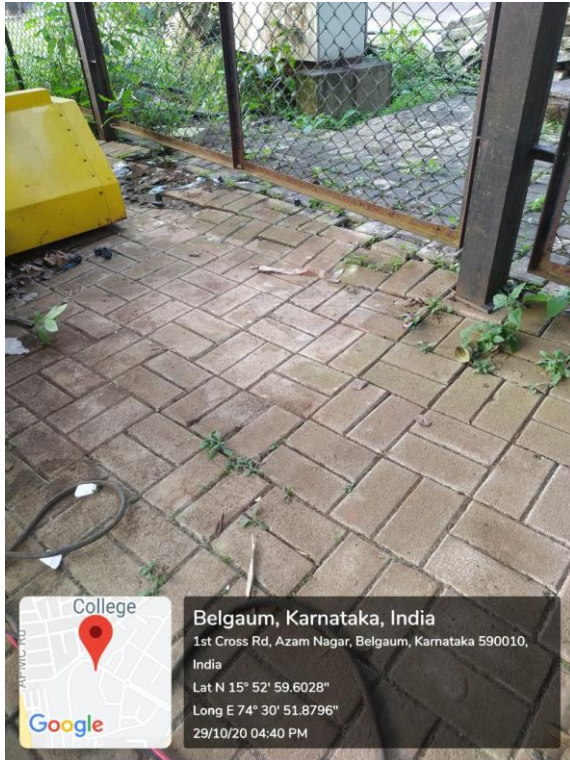


## Glossary.

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.





#### THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year, SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.

ENERGY AUDIT REPORT - 2021

---

THOUGHT FOR EVERY MOMENT

There are about 19,00,00,000 students in INDIA. If every student saves one sheet per day, 19,00,00,000 sheets of paper meaning 988 tons of paper will be saved every day. This is equivalent to saving 2748.54 tons of wood a day. This will lead to saving about 33,00,678 trees per year,  
SO, LET US ALL USE BOTH SIDES OF THE SHEET even better adopt E-CORRESPONDENCE.