



7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

1. Green audit / Environment audit
2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion and sustainability activities

Options:

- A. All of the above
- B. Any 3 of the above
- C. Any 2 of the above
- D. Any 1 of the above
- E. None of the above

Response: A

File Description	Document
Green audit / Environment audit	View Document
Energy audit	View Document
Clean and green campus initiatives	View Document
Beyond the campus environmental promotion and sustainability activities	View Document
Certification by the auditing agency	View Document
Report on environment audit report submitted by the auditing agency	View Document
Report on Green landscape audit report submitted by the auditing agency	View Document
Report on Carbon and Energy audit report submitted by the auditing agency	View Document



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Principal
Sumathi Reddy Institute of Technology for Women
Ananthasagar (V), Hasanparthy (M)
WARANGAL - 506 371 (TS)

1. Green Audit

Polycymaking:

By properly disposing the waste and taking steps to recycle biodegradable waste. The campus is keeping clean by using environmentally friendly materials and successful recycle program

SRITW College deems it essential in implementing green campus concepts on campus. SRITW believes in education combined with environment friendly practices to promote sustainable development. Awareness is being created amongst the staff and the students to reduce the use of plastic. Plastic glasses have been replaced with paper cups in the canteen.

The green ambience of the Institution is largely due to tree plantation which maintains the ecosystem. To ensure that the natural resources are utilized properly as per national policy environment.

The main objectives are follows:

- To grow more number of plants to produce more amount of oxygen
- To conserve energy by using alternate energy resources such as solar energy and power efficient equipment.
- Commitment to prevent to pollution and to continuously environmentally performance to conserve the nature for future generation.

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Haritha Haram (Tree plantation) July- 2019

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Haritha Haram (Tree plantation) Aug-2021

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Haritha Haram (Tree plantation) July - 2022

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PIN - 506 371, WARANGAL (DIST), TELANGANA, INDIA.

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ISO 14001:2015

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1st Surveillance Due On: 25/09/2024: Done On:
2nd Surveillance Due On: 25/09/2025: Done On:

Certificate No: **KDACE202310027**
Date Of Issue: 25, October, 2023
Valid Until: 24, October, 2026*

Issued by 
Authorised signatory KVQA



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2. Energy audit

The main objective of the energy audit is to pro ability in compliance with the applicable regulations, policies and standards to promote the Energy Management and Conservation in the College Campus. The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment Sustainability.

Use of Light Emitting Diode (LED)



Different types of LED lights

Energy saving by replacing CFL with LED

Dominant light source at most places in the campus is traditional 23W CFLs As per our data collection, the campus has in total 865 CFLs. If these CFLs are replaced by LEDs 0-12W power can be saved per CFL.

Cost Analysis of Replacing CFLs with LEDs

Total No. of CFLs in Campus = 865

Average Power of CFL = 23W

Average Power of LED = 12W

Power saved per LED = $(23-12) \text{ W} = 11\text{W}$

Total Power saving = $865 * 11\text{W} = 9515\text{W} = 9.515\text{Kw}$

Average Use of CFL per year = $240 * 7\text{h} = 1680\text{h}$

Total Energy saved per year = $9.515 * 1680 \text{ kWh} = 15985.2 \text{ kWh}$

Saving in Rs. per Year = $15985.2 * 8.8 = \text{Rs. } 140669.76$

Average Cost of Replacing each CFL = Rs. 160.71

Total Cost of Replacing all CFLs = $865 * 160.71 = \text{Rs. } 139014.15$

Capital Cost Recovery time = $(139014.15 / 140669.76) = 0.9882 \text{ yr}$ (Approx. 360 days)

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NORTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED
OPERATION CIRCLE, HANAMKONDA

GSTIN: 36AABDN2875L321
Bill for the month of : AUG-2023

PAN NO: AABDN2875L
DATED: 01/09/2023

Payable on or before	: 15/09/23	SCND: HNK417 (null,null)
Disconnection Date	: 30/09/23	M/S. SR HIGH SCHOOL
Contracted MD (KVA)	: 125	ANANTHASAGAR(V)
Specified Voltage (KV)	: 11	HASANPARTHY(M)
Actual Voltage (KV)	: 11(COMM-FEEDER)	HASANPARTHY,506371
Category	: 11(A) OTHERS	PHNo:9849014127,PINCODE1

	KWH	KVAH	KVA	TDS	KWHSOLAR	KVAHSOLAR
Reading on 29-AUG-23	225095.00	226846.00	281.00	T1 14424.00	2221.00	2239.00
Reading on 30-JUL-23	147396.00	148430.00		T2 16112.00	1084.00	1094.00
Difference	77699.00	78416.00		T3 25764.00	1137.00	1145.00
Multiplying Factor	0.50	0.50	0.50	0.50	0.50	0.50
Total Consumption	38850.00	39208.00	140.50		568.50	572.50
Monthly Minimum	3513.00		125.00	Solar Carry forward DB		0.00
Consumption Main		39208.00		Solar Carry forward CB		0.00
Power Factor	0.99	Status: 01-Live(L)				

Demand Charges Normal Rate	Rs 475.00 for	125.00 KVA	Rs. Ps.
Addl.charge for maximum Demand exceeding Rate	Rs 950.00 for	15.50 KVA	59375.00
			14725.00

Energy Charges For Units consumed	Rs. 8.80 for	38639.50 KVAH	340027.60
New Time of Day Tariff(6PM TO 10PM)	Rs 1.00	8056.00	8056.00
New Time of Day Tariff(6AM TO 10AM)	Rs 1.00	7212.00	7212.00
New Time of Day Tariff(10PM TO 6AM)	Rs-1.00	12882.00	-12882.00

Electricity Duty Charges	Rs 0.06 for	39208.00	2352.48
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Note: Pay your bill to A/c No.0	Sub Total	418866.08
SBI, Nakkalagutta, Hanamkonda	Customer Charges	2000.00
IFSC Code: SBIN0020150	Round Amount	-0.08

	Current Bill Amount	420866.00
	Arrears	-0.12
Last Paid Amount Rs. 425458.00 Dt:11-AUG-2023	Bill Amount INCL. Arrears	420865.88

(Rupees Four Lakh Twenty Thousand Eight Hundred Sixty Five and Paise Eighty Eight only)

E. & D.E

Senior Accounts Officer

NOTE: Please Contact the Senior Accounts Officer of the Operation Circle at his office for any information on bills discrepancies.

Solar production - 15482 units

Solar export - 568 units

Solar wage - 14914 units

G. Reddy

15/9

15/9

Electricity bill for the month of Aug -2023

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NORTHERN POWER DISTRIBUTION COMPANY OF TS LIMITED
OPERATION CIRCLE, HANAMAKONDA

METER NO: 36AABCN2675L321
Bill for the month of

SEP-2023

MAN NO: AABCN2675L
DATED: 01/10/2023

Payable on or before : 15/10/23
Disconnection Date : 30/10/23
Contracted MD (KVA) : 125
Specified Voltage (KV) : 11
Actual Voltage (KV) : 11 (COMM-FEEDER)
Category : II(A) OTHERS

SCND: HNK417 (null,null)
H/S. SR HIGH SCHOOL
ANANTHASAGAR(V)
HASANPARTHY(M)
HASANPARTHY, 506371
PHNO: 9849014127, PINCODE:

	KWH	KVAH	KVA	TODE	KWHSOLAR	KVASHOLAR
Reading on 29-SEP-23	306778.00	309137.00	277.80	T1 16309.00	3521.00	3543.00
Reading on 29-AUG-23	225095.00	226846.00		T2 16516.00	2221.00	2239.00
Difference	81683.00	82291.00		T3 25532.00	1300.00	1304.00
Multiplying Factor	0.50	0.50	0.50	0.50	0.50	0.50
Total Consumption	40842.00	41146.00	136.90		650.00	652.00
Monthly Minimum Consumption Main	3473.00			Solar Carry forward CB		0.00
Power Factor	0.99	41146.00		Solar Carry forward CB		0.00
				Status: 01-Live(L)		

Demand Charges Normal Rate		Rs 475.00 for	125.00 KVA	Rs. Ps.	59375.00
Addl. charge For maximum Demand exceeding Rate		Rs 950.00 for	13.90 KVA		13205.00
Energy Charges For Units consumed		Rs. 8.80 for	40494.00 KVAH		356364.80
New Time of Day Tariffs(6PM TO 10PM)		Rs 1.00	8258.00		8258.00
New Time of Day Tariffs(6AM TO 10AM)		Rs 1.00	8154.50		8154.50
New Time of Day Tariffs(10PM TO 6AM)		Rs-1.00	12766.00		-12766.00
Electricity Duty Charges		Rs 0.06 for	41146.00		2468.76

			Sub Total		435060.06
			Electricity Duty Interest		7.73
			Late Payment Charges		1046.28
			Customer Charges		2000.00
No. of Pay your bill to A/c No.0 SBI, Nakkalagutta, Hanamakonda IFSC Code: SBIN0020150			Round Amount		-0.07

			Current Bill Amount		438114.00
			Arrears		-0.12
Last Paid Amount Rs.	420866.00	Dt: 20-SEP-2023	Bill Amount INCL. Arrears		438113.88

(Rupees Four Lakh Thirty Eight Thousand One Hundred Thirty and Paise Eighty Eight only)

C. & O.E. Senior Accounts Officer

NOTE: Please Contact the Senior Accounts Officer of the Operation Circle at his office for any information on bills discrepancies.

solar production 11,740 units -
export 650 units
wage 11,090 units

G. Bay *MH 10/10*

Electricity bill for the month of Sep- 2023

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WARANGAL (DIST), TELANGANA, INDIA.

has been assessed and found to conform to the requirements of

ISO 50001:2018

for the following scope :

Providing Educational Services leading to the Award of Bachelor of Technology (B.Tech) in Computer Science and Engineering (CSE), Computer Science and Engineering in Artificial Intelligence and Machine Learning (AI&ML), Computer Science and Engineering in Data Science (DS), Computer Science and Engineering in Cyber Security (CS), Electronics and Communication Engineering (ECE).

Certificate No	: 23EEenLG96	Issuance Date	: 25/10/2023
Initial Registration Date	: 25/10/2023	Date of Expiry	: 24/10/2026
1st Surv. Due	: 25/09/2024	2nd Surv. Due	: 25/09/2025

Director



AQC GLOBAL LLC

Head Office: Office No. 02, Ground Floor, Sharjah Media City, Sharjah, UAE. e-mail: info@aqcworld.com.

Key Location: A-60, Sector - 2, Noida, Uttar Pradesh, 201301, India.

*Validity of the Certificate is subject to successful completion of surveillance audits on or before of due date. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

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3. Clean and green campus:

The Green Campus Policy of the college envisions a Clean and Green Campus where environmental friendly practices and education combine to promote sustainable and ecofriendly practices in the campus and beyond the campus.

To Create awareness about environmental issues by organizing Events, Rallies, Awareness Campaigns, Cleanliness Drives, Seminars, Workshops, presentations, Tree Plantation Drives, Rangoli Competitions, Essay Competitions, etc.

Initiatives Taken to Implement the Clean and Green Campus Policy

- Landscaping with Trees and Plants
- Rainwater Harvesting/storage
- Solid Waste Management



Vehicles parking

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Swachh Bharat in the college campus



Solid Waste collector

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Landscaping with Trees and Plants



Greenery in the campus

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PIN - 506 371, WARANGAL (DIST), TELANGANA, INDIA.

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Certificate No: KDCKO202010117

Date Of Issue: 03, October, 2020

Valid Until: 02, October, 2023*

1st Surveillance Done On: 20/09/2021

2nd Surveillance Done On: 15/09/2022



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1st Surveillance Due On: 03/09/2024; Done On:
2nd Surveillance Due On: 03/09/2025; Done On:

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Date Of Issue: 03, October, 2023
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4. Beyond the campus environmental promotion and sustainability activities

SRITW has been organizing various awareness programs such a plantation of trees, swachh bharaat programs, clean and green environment are organized.



Swachh Bharat rally

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Swachh Bharat awareness activity and cleanliness campaign at Bhadrakali Bund, Warangal

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Paper clip of Swachh Bharat – Bhadrakali bund cleaning program

SRITW has organized a rally at Bhadrakali bund, Warangal to create awareness among the people on Swachh Bharat mission to maintain clean and healthy environment. The program has conducted by the NSS unit; around 150 NSS student volunteers participated and collected 50 KGs of plastic waste from the lake and handed over to municipal department.

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