



భారత సర్కార్ / Government of India
 మహాత్మా గాంధీ రాష్ట్రీయ గ్రామీణ శిక్షా పరిషద్ / Mahatma Gandhi National Council of Rural Education
 ఉచ్చ శిక్షా విభాగ/Department of Higher Education
 శిక్షా మంత్రిాలయ / Ministry of Education



District Green Champion Certificate

This is to certify that **Khammam Institute of Technology and Sciences** is hereby recognized as **District Green Champion** for **Khammam District** for the Academic Year 2020-21. The Institution has successfully set up the Swachhta Action Plan Committee, adopted and implemented best practices in the areas of Sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management.

This certificate is given in the presence of **Shri V.P. Gautham, I.A.S, District Collector & Magistrate, Khammam, Telangana.**

AUGUST 2021

Dr W G Prasanna Kumar
 Chairman
 MGNCRE, Ministry of Education
 Government of India



“కిట్స్”కు జిల్లా గ్రీన్ ఛాలెంజ్ ఛాంపియన్షిప్ అవార్డు

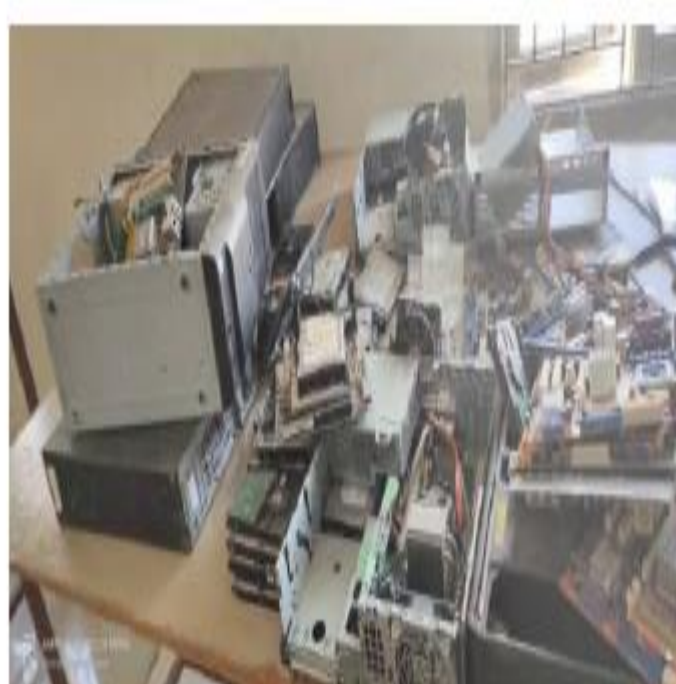
సవతెలంగాణ- ఖమ్మం రూరల్

మండలంలోని పొన్నెకల్లు గ్రామం పద్ద గల కిట్స్ ఇంజనీరింగ్ కళాశాలకు జిల్లా గ్రీన్ ఛాలెంజ్ ఛాంపియన్షిప్ అవార్డును కలెక్టర్ వీపీ గౌతమ్ శుక్రవారం ఖమ్మంలో అందజేశారు. భారత ప్రభుత్వ సంస్థ మహాత్మా గాంధీ కౌన్సిల్ ఫర్ రూరల్ ఎడ్యుకేషన్ వారు ఆజ్ఞానే విద్యాసంస్థల్లో స్వచ్ఛత కార్యక్రమాలు పచ్చదనం, పరిశుభ్రతపై ఇటీవల జాతీయ సర్వేను నిర్వహించారు. సర్వేలో జిల్లాలో పర్యావరణ పరిరక్షణ చేస్తున్న కిట్స్ కళాశాల గ్రీన్ ఛాంపియన్ అవార్డుకు ఎంపికయినట్లుగా మహాత్మాగాంధీ జాతీయ కౌన్సిల్ ఫర్ రూరల్ ఎడ్యుకేషన్ చైర్మన్ డాక్టర్ ప్రసన్నకుమార్ ప్రకటించారు. ఈ మేరకు కలెక్టర్ గౌతమ్ చేతుల మీదుగా కిట్స్ కళాశాల వారికి అవార్డును అందజేశారు. ఈ సందర్భంగా కళాశాల కార్యదర్శి కోట అప్పారెడ్డి మాట్లాడుతూ పచ్చదనానికి ప్రతీకగా కళాశాల ఆవరణలో 185 రకాల చెట్లను పెంచుతున్నామన్నారు. నిరంతరం విద్యార్థులు, అధ్యాపకులు వాటిని పరిరక్షిస్తున్నారని వివరించారు. కార్యక్రమంలో కళాశాల ప్రిన్సిపల్ పన్నాల కృష్ణమూర్తి, అడ్మినిస్ట్రేటివ్ అధికారి రంగా శ్రీనివాస్, అధ్యాపకులు సయ్యద్ షా, మూర్తి తదితరులు పాల్గొన్నారు.

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5. WASTE MANAGEMENT

The E-wastage generated inside the campus is diverted to a nearby farm on a Monthly basis. The farm owner takes the E-wastage waste and uses it to his needs. An average of 50 kilos of E-wastage waste is generated per Year.



E-WASTE MANAGEMENT

E-waste generated in the campus is disposed in scientific and eco-friendly manner. The below certificate represents the 423.45 kilograms of E-waste disposed in an eco-friendly manner.



6. WATER MANAGEMENT

Water conservation is a key activity as water availability affects on the development of the campus as well as on all area of development such as farming, industries, etc. Keeping this view water conservation activity is carried out.

SOURCES OF WATER

- Open Well water
- Bore water

A Main source of water is Ground water is extracted to full the requirement. At present there are 5# wells out of which with 1# has open well structure whereas remaining 04 are bore wells. The college stores the water in overhead tank.

The source of wastewater is Domestic Waste Water i.e., Sewage water. The Sewage water mainly comes from Toilets of college, hostel, kitchen and canteen. 3# of Sewage Treatment Plant was installed in the campus of each 100 KLD. Total sewage treatment plant capacity is 300KLD.



7. ENERGY MANAGEMENT

DIESEL GENERATOR DETAILS

The Khammam Institute of Technology & Sciences has 1# installed Diesel Generator. The following table provides the Diesel generator capacity in the college campus.

S.No	Equipment Name	Make	Capacity in (KVA)
1	Diesel Generator - 01	Kirloskar	83.5KVA



TRANSFORMER DETAIL

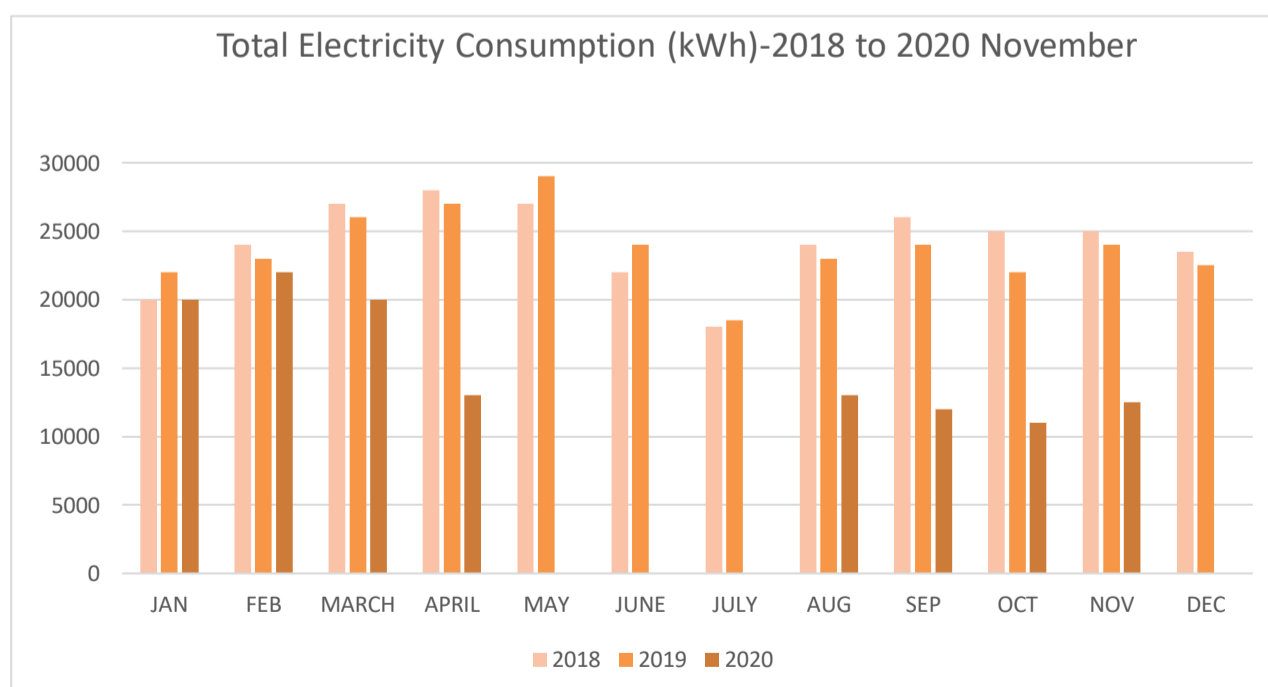
The Khammam Institute of Technology and Sciences has installed 1# of Transformer. The following table provides the transformer capacity in the college campus.

S.No	Equipment Name	Capacity in (KVA)
1	Transformer - 01 @0.9 PF	100



ELECTRICITY TREND

The below graph represents the total electricity consumption trends for the year 2018 - 2020 of KITS.



8. SUMMARY

Green Audit is one of the important tools to check the balance of natural resources and its judicial use. Green auditing is the process of identifying and determining whether institutional practices are eco-friendly and sustainable. It is a process of regular identification, quantification, documenting, reporting and monitoring of environmentally important components in a specified area.

KHAMMAM Institute of Technology and Engineering has conducted a “Green Audit” in the academic year 2019-2020. The main objective to carry out green audit is to check the green practices followed by KITS and to conduct a well-defined audit report to understand whether the KITS is on the track of sustainable development.

9. CONCLUSION

From the green audit following are the conclusions, which can be taken for improvement in the campus.

- 1) All departments generate paper waste. Especially, AK block (Examinations online/offline) building is using more one paper for printing and writing is good practices.
- 2) Food waste generated in campus is mostly from is collected from dining areas. The food waste is diverted to nearby farm.

- 3) E- Waste are segregated, handled and disposed properly in an eco-friendly manner.
- 4) Reducing the use of one-time use plastic bottles, cups, folders, pens, bouquets, decorative items will be useful to solve the problem of plastic pollution to some extent.
- 5) Wear Mask Signages are provided in the facility.
- 6) Rainwater is collected from rooftop to recharge the ground water level table.

10. RECOMMENDATIONS

Following are some of the key recommendations for improving campus environment:

- 1) An environmental policy document has to be prepared with all the recommendations and current practice carried by KITS.
- 2) A frequent visit should be conducted to ensure that the generated waste is measured, monitored and recorded regularly and information should be made available to administration.
- 3) The solid waste should be reused or recycled at maximum possible places.
- 4) Install a water meter to record water usage in the college KITS premises.



11. ANNEXURE



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