

## Dr. K.V. Subba Reddy Institute of Pharmacy

(Approved by AICTE, P.C.I. New Delhi & Permanently Affiliated to JNTUA Anantapuramu, MOU with Government General Hospital & KMC, Kurnool)
Recognized Under Section 2(f) and 12(B)of UGC Act 1956
Opp: Dupadu R.S., N.H - 44, KURNOOL - 518 218, A.P. INDIA.

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**Principal / Correspondent** 

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Date	•	***********************

# DR.KV SUBBAREDDY INSTITUTE OF PHARMACY, KURNOOL

**GREEN AUDIT REPORT** 

PREPARED BY

SAARA MANAGEMENT SYSTEM PRIVATE LIMITED, NEW DELHI.



## Dr. K.V. Subba Reddy Institute of Pharmacy

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### **GREEN AUDIT REPORT**

Green Audit, a Tool for Environmental Protection and Conservation: The modernization and industrialization are the two important outputs of twentieth century which have made human life more luxurious and comfortable. The "NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL" (NACC) guidelines under "Institutional Values and Social Responsibilities" also stipulate campuses to adopt green practices educate and display sensitivity towards issues like climate change and environmental issues.

#### **Definition**

Green audit is defined as an official examination of the effects an entity/organization has on the environment.

### Objectives of the Study:

The main objective of green audit is to access the performance and activities related to environmental conservation and management in the campus.

The purpose of this initiative is also to promote projects for environment protection and sustainability and use the findings of Green Audit as a guidance tool

- •To ensure development along with safeguarding the environment.
- To create concern among students for environment and sustainability.
- To minimize human exposure to risk from environmental, health and safety Problems.



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### Scope of the Audit

- a) The audit examines the data and the activities with respect broad parameters andmetrics used to measure and monitor environmental performance of Energy conservation
- b) Renewable Energy
- c) Water conservation
- d) Waste Management and Recycling
- e) Training and skill development
- f) Recommendation & Suggestions
- g) Conclusion.

### Dr. K.V.SUBBA REDDY GROUP OF INSTITUTIONS

The Institution is promoted by Vaibhav Educational Society, Allagadda, Kurnool District. It is affiliated to JNT University, Anantapur (AP). Dr. K.V. Subba Reddy Institute of pharmacy is the brain child of Dr. K.V.Subba Reddy, an eminent educationalist, a great academician, a scholar with great vision, a philanthropist, and a legend in the field of establishing and running educational institutions. Dr. K.V. Subba Reddy Institute of pharmacy, Kurnool, was established in 2007 aiming at becoming a pioneer in Pharmaceutical Education in the Private sector. His love for his erstwhile native district of Kurnool and service motto manifested



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themselves in the form of this Institution. The society was registered in 2005 with a group of farsighted and distinguished engineers, doctors, lawyers, businessmen and administrators as its members with an aerial vision and mission of imparting technical education of highest standards among the students.

The Institution offers courses in B.Pharmacy, M.Pharmacy, Pharm.D. In all about 380students take admission per year. The Instructional facilities are spacious, and the laboratories are continuously upgraded with equipment. There are over 36 highly qualified and dedicated faculty. The college is well equipped with excellent instructional facilities in all branches as well as other amenities.

About 65% of the students get jobs through campus placements in the topMNC's like Cognizant, hetero, parexel, Wipro, MEDIASIST, etc., and reputed core companies. The College has a sophisticated Digital Library and also has an impressive repository of technical reference books, Magazines, National and International Journals catering to the needs of the students and faculty. Students and staff are provided with very good indoor and outdoor sports facilities. A dispensary is provided on the campus for the benefit of students and staff. Every effort is made to ensure that the students are trained in technical skills while inculcating in them a sense of social responsibility, in tune with the vision and mission of the college

### **Energy Policy**

We, at Dr. K.V. Subba Reddy Institute of Pharmacy, are engaged in providing pharmaceutical education is committed to continual improvement in energy efficiency in all areas of our operations. To achieve this, we shall, in particular,

- 1. Have in place an Energy Management System.
- 2. Comply with applicable legal and other requirements related to energy usage.



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- 3. Minimize wastages through efficient use of resources by adopting Reduce, Reuse & Recycle practices.
- 4. Imbibe best practices and technology.
- 5. Purchase energy-efficient products and services.
- 6. Ensure involvement and participation of staff & students by providing training and awareness.
- 7. Ensure availability of information and of all necessary resources to achieve energy objectives and targets.
- 8. Evaluate effectiveness of the Energy Management System through regular audits

### **Energy conservation & Renewable Energy**

The efficient use and conservation of energy has been one of the focus areas of the institution, we have also taken steps towards augmenting our energy portfolio using renewable energy.

The college has a dedicated transformer of 250KVA capacity and the contract demand with the state electricity board for 100 KVA. The consumption of the campus is generally within the limits except for few months where the demand exceeds contract demand due to additional load in the laboratory section.

The college has dedicated skilled team for managing the energy requirements of the campus.

The replacement policy for lighting involves replacement of conventional lighting systems with energy efficient LEDS lights has been taken by the institution and is a continuing practice for the last 5 years.

The efficient use of energy has been the endeavour of the institution and thus has a dedicated team of professionals constantly striving to conserve energy through various initiatives.

The campus has a centre of excellence dedicated to electrical vehicles and various



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initiatives have been taken up in this area.

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The campus has an exclusive Energy Policy to support energy efficiency at the institutional level which has the following guidelines and principles

- •Avoid idle operation of electrical devices and equipment.
- Minimize energy use where ever possible.
- •Energy Efficiency Road map
- Replacement policy of electrical equipment dictates purchase of energy efficient equipment of higher energy efficiency rating.
- Conduct a yearly internal energy audit of the facility and implement the findings
- Offset fossil fuel energy through renewable sources

The institution has taken up installation of solar Roof top system of 50 KWP and 25KWP capacity grid integrated system with net metering facility.

The utilization of roof top availability in the campus for generation of Renewable energy generation is effort towards reducing our dependency on conventional energy. The work order is already issued and execution is to be completed at the earliest.

### **Energy consumption pattern**

The energy consumption at the campus for the last 5 years is as follows

S.No	Year	Consumption	in
		KWH	
1.	2017	338791	
2.	2018	340903	-
3.	2019	210315	
4.	2020	197398	
5.	2021	283654	



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### The electrical bills as per consumption is as follows

S.NO	BILL	BMD	RMD	KVAH/UNITS
	MONTH			
1.	JAN 2018	80.4	80.4	22071
2.	FEB 2018	92.9	92.9	23215
3	MAR 2018	88.4	88.4	24943
4	APRIL 2018	88.9	88.9	34778
5	MAY 2018	111.3	111.3	32857
6	JUNE 2018	134.24	101.5	39214
7	JULY 2018	80	69.9	16071
8	AUG 2018	96.9	96.9	24215
9	SEP 2018	88.4	88.4	24943
10	OCT 2018	88.9	88.9	34778
11	NOV 2018	111.3	111.3	32857
12	DEC 2018	109.9	109.9	38749

S.NO	BILL	BMD	RMD	KVAH/UNITS
	MONTH			
1.	JAN 2019	88.4	69.9	16456
2.	FEB 2019	96.5	96.5	23215
3	MAR 2019	88.8	88.8	24396
4	APRIL 2019	86.9	86.9	33778
5	MAY 2019	105.3	105.3	32657
6	JUNE 2019	126.56	101.5	39012
7	JULY 2019	80	69.9	16071
8	AUG 2019	94.5	94.5	23689
9	SEP 2019	84.6	84.6	24943
10	OCT 2019	89.7	89.7	34887
11	NOV 2019	101.6	101.6	32875
12	DEC 2019	106.9	106.9	37749



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S.NO	BILL	BMD	RMD	KVAH/UNITS
	MONTH			
1.	JAN 2020	80	69.9	16071
2.	FEB 2020	96.9	96.9	24215
3	MAR 2020	88.4	88.4	24943
4	APRIL 2020	88.9	88.9	34778
5	MAY 2020	111.3	111.3	32857
6	JUNE 2020	134.24	101.5	39214
7	JULY 2020	80	69.9	16071
8	AUG 2020	96.9	96.9	24215
9	SEP 2020	88.4	88.4	24943
10	OCT 2020	88.9	88.9	34778
11	NOV 2020	111.3	111.3	32857
12	DEC 2020	109.9	109.9	38749

S.NO	BILL MONTH	ВМО	RMD	KVAH/UNITS	
1.	JAN 2011	110.9	110.9	26026	
2.	FEB 2011	109.7	109.7	22918	
3	MAR 2011	110.7	110.7	31687	
4	APRIL2011	97.9	97.9	26538	
5	MAY2021	80	24	11344	
6	JUNE 2021	80	15.3	10190	
7	JULY 2021	80	17.8	8346	
8	AUG 2021	80	20.5	8223	
9	SEP 2021	80	24.1	8275	
10	OCT 2021	80	25.6	8988	
11	NOV 2021	80	54.4	15948	
12	DEC 2021	80	66.4	18915	

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S.NO	BILL	BMD	RMD	KVAH/UNITS
	MONTH			KVAIVOINTS
1.	JAN 2022	88.4	88.4	18805
2.	FEB 2022	92	92	20893
3	MAR 2022	107.7	107.7	27595
4	APRIL 2022	107.7	107.7	34644
5	MAY 2022	106.1	106.1	30685
6	JUNE 2022	80	63.4	10694
7	JULY 2022	80	22.5	8300
8	AUG 2022	80	45.6	11744
9	SEP 2022	87.7	87.7	32544
10	OCT 2022	80	75	28728
11	NOV 2022	84.9	84.9	24241
12	DEC 2022	109.9	109.9	38781

Energy audit and proposals for last 5 years

Conservation of energy has been the top priority of the management and various initiatives have been taken to utilize energy in an efficient manner.

The approach to energy efficiency at the institution is as follows

#### Measure

The internal energy audit from the department of electrical engineering has taken exercises in ascertaining the amount of energy utilized in the campus block wise. The rationale behind this task is that, "what we can measure, we can control". The process of measurement is the first step in energy audit assessment. The campus has a dedicated sincere team which ensures periodic measurement of energy consumption and infers the consumption pattern.

#### Monitor and control

The team as a next step monitors the consumption pattern and builds approaches to control and minimize wastage of energy. The team has developed checks and balances to control inefficient use of energy.

The air conditioners are operated in 24°c temperature setting and thus have an energy efficient



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### Adopt new technologies

A constant search for new technologies to reduce energy consumption has been adopted at the institution level. This translates to not only replacing old equipment with energy efficient ones, but also for all new procurement emphasis is given on highly energy efficient equipment.

This approach has been followed by the institution for conserving energy. The college has conducted internal energy audits and conserved significant energy. The energy audit has become a practice at the institution and activity was started in the year 2017.

The team has been consistently carrying out the energy audit, and notwithstanding that an external agency verifies the measures and also suggests improvement mechanism.

Some of the initiatives for conservation of energy include

- > Replacement of conventional tubes lights with energy efficient LEDs
- Replacement of CRT Monitors with LCD monitors
- > Replacement of old air conditioners with energy efficient 3 star A/cs
- > Installation and operation of power factor controller for maintaining power factor
- ➤ Substitution of conventional energy with renewable energy by installing grid integrated solar Photo voltaic panels in progress
- ➤ Replacement of incoming transformer from present 80KVA to 120 KVA to avoid penalty for exceeding contract demand Conventional Tube light LED Tube light



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### The summary of the energy audit for the last 5 years is as follows

S.	Equipment	Proposed	Results for Proposed action
No		Action	_
1.	Lightning equipment 40W	Replace 40W conventional light with 20 W LED tube light	<ul> <li>Total No. of light fittings=166Nos</li> <li>Total No. of light fittings to be replaced =166Nos</li> <li>Present energy consumption with 40W =1328 KWH</li> <li>Expected energy consumption with 20W=664 KWH</li> <li>Total energy saved per month=1328-664= 664KWH</li> <li>per month</li> </ul>
2.	Lightning equipment 40w	Replace 40W conventional light with 12W LED tube light	<ul> <li>Total No. of light fittings= 42 Nos</li> <li>Total No. of light fittings to be replaced = 42 Nos</li> <li>Present energy consumption with 40W = 336 KWH</li> <li>Expected energy consumption with 12W= 100.8 KWH</li> <li>Total energy saved per month= 336-100.8 = 235.2 KWH per month</li> </ul>
3.	Lightning equipment 40W	Replace 40W conventional light with 6 W LED tube light	<ul> <li>Total No. of light fittings= 14Nos</li> <li>Total No. of light fittings to be replaced =14Nos</li> <li>Present energy consumption with 40W = 112 KWH</li> <li>Expected energy consumption with 6W= 16.8 KWH</li> <li>Total energy saved per month= 112 -16.8= 95.2 KWH per month</li> </ul>
4.	Lightning equipment 40W	Replace 40W conventional light with 3 W LED tube light	<ul> <li>Total No. of light fittings= 36 Nos</li> <li>Total No. of light fittings to be replaced =36 Nos</li> <li>Present energy consumption with 40W = 288 KWH</li> <li>Expected energy consumption with 3W= 21.6 KWH</li> <li>Total energy saved per month= 288-21.6= 266.4 KWH per month</li> </ul>



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#### Water conservation

The conservation of water at campus has been carried out as a two-pronged approach

- Minimal use of water using water efficient fixtures
- Maximum water recharging system through RWH pits with gravity design The campus uses fresh water from two sources
  - ✓ Hundri River

Ground water from bore wells

Water source	Consumption in KL/	Annual
	day	Consumption
	37.7	KL/Annum
Ground water from Bore Wells	4	1080
Drinking Water	1	270
Total consumption	5	1350
Annual consumption	is calculated for 270 wo	rking days

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The v	vater	obtained	from	the	two	sources	is	stored	in	the	underground	water	tanks	and	then
		to all the													

The college has a dedicated Reverse Osmosis Plant (RO) for potable water. The water from bore well is passed through the RO system and water is utilized for all the blocks.

The team uses the RO reject water for landscaping there by reducing equivalent fresh water consumption. This has dual benefit of reduction in pumping cost and reduction in freshwater.

The campus has bubble taps and water efficient fixtures to minimize water use in wash rooms and canteen area.

Rain water recharging/harvesting pits - The landscape and water channels at the institution have been efficiently designed to facilitate gravity flow (energy efficient process) to the water recharging pits for ground water recharging thus providing water availability for majority of the time during the year. There are 2 pits of 1000 KL capacity. The campus also has large open land to building ratio which ensures increased collection of fresh water.

### Waste Generation and Recycling

Waste generation and management is one of the challenges the world is facing today. The institution in its capacity is trying to minimize, segregate and dispose waste in an efficient manner.

There are two types of waste which is generated in the campus

Wet waste – canteen

Dry waste - dry leaves, paper, plastic etc

The waste generation in the campus is on average

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Wet waste	35kg/day
Dry waste	80kg/day

The waste is carefully segregated and disposed of through the local grama Panchayath. Solid waste generation and management is a burning issue. Unscientific handling of solid waste can create threats to everyone. The survey focused on volume, type and current management practice of solid waste generated in the campus. The different solid wastes collected such as paper, food, plastic, biodegradable, construction, glass, dust etc. The E-waste is categorized separately and is the process of developing an action plan to dispose it in a responsible manner. The waste inventory record has been for the last 5 years and steps have been taken to reduce and recycle waste.

Quantity of Waste	KG/ Annum		3 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4 (4	Mills had distributed and make a first a great she fill the hidde and proper come causing conse
Year	canteen waste in	Canteen	Dry Organic	Dry Organic
	kgs/day	Waste/annum waste/annum	⊤waste /day	Waste/Annum
2017-18	29	6920	70	22070
2018-19	32	8030	70	28020
2020-21	28	6920	70	25010
2021-22	39	9960	75	22290
2022-23	43	9056	83	9710



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The total solid organic waste collected on average in the campus is 120 Kg/day which includes

- Waste generation from tree droppings and lawn management is a major solid waste generated in the campus.
- The waste is segregated at source by providing separate dustbins for Biodegradable and Plastic waste.
- Segregation of chemical waste generated in chemistry laboratories is also practiced.
- Few glass bottles are reused in the laboratories.

#### E-Waste Generation

E-waste can be described as consumer and business electronic equipment that is near or at the end of its useful life. This makes up about 5% of all municipal solid waste worldwide but is much more hazardous than other waste because electronic components contain cadmium, lead, mercury, and Polychlorinated biphenyls (PCBs) that can damage human health and the environment.

#### Other Green initiatives:

The campus has adopted measures to reduce Ecological Foot print Some of the measures are

- 1. Green Transportation
- 2. ➤ Carpooling by staff and students to reduce GHG foot print
- 3. > Smart routing of the college transport bus to maximize staff and student movement and reduced no of trips
- 4. ➤ Reduced scope-3 emissions due to transportation
- 5. ➤ Use of bicycles
- 6. ➤ Periodic servicing of the college bus for better fuel efficiency
- 2. House Keeping Chemicals
- > Use of Organic Herbicides and cleaners with minimal to zero hazardous chemical content

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- ❖ 3R principle (Reduce, Reuse, Recycle) to be followed for all material procurement decisions
- Minimum use of plastics and promote use of recyclable material
- \* Recycle or safely dispose of white goods, computers and electrical appliances.
- Awareness about Cleanliness and maintenance of Flora and Fauna
- Suggestions for improvement Maintain energy, water and waste score cards
- \* Always keep a tag and rectify approach to water leaks (Red for leak arrest, Green for rectified)

#### Conclusion

The college has done a commendable job in activities pertaining to energy efficiency, water conservation, waste management and other green parameters. This report has been prepared based on the data submitted and initiatives taken by the college during the audit.

Director



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The summary of the energy audit for the last 5 years is as follows

S. No	Equipment	Proposed Action	Results for Proposed action
1.	Lightning equipment 40W	Replace 40W conventional light with 20 W LED tube light	<ul> <li>Total No. of light fittings=166Nos</li> <li>Total No. of light fittings to be replaced =166Nos</li> <li>Present energy consumption with 40W =1328 KWH</li> <li>Expected energy consumption with 20W=664 KWH</li> <li>Total energy saved per month=1328-664=664 KWH per month</li> </ul>
2.	Lightning equipment 40w	Replace 40W conventional light with 12W LED tube light	<ul> <li>Total No. of light fittings= 42 Nos</li> <li>Total No. of light fittings to be replaced = 42 Nos</li> <li>Present energy consumption with 40W = 336 KWH</li> <li>Expected energy consumption with 12W= 100.8 KWH</li> <li>Total energy saved per month= 336-100.8 = 235.2 KWH per month</li> </ul>
3.	Lightning equipment 40W	Replace 40W conventional light with 6 W LED tube light	<ul> <li>Total No. of light fittings= 14Nos</li> <li>Total No. of light fittings to be replaced =14Nos</li> <li>Present energy consumption with 40W = 112 KWH</li> <li>Expected energy consumption with 6W= 16.8 KWH</li> <li>Total energy saved per month= 112 -16.8= 95.2 KWH per month</li> </ul>
4.	Lightning equipment 40W	Replace 40W conventional light with 3 W LED tube light	<ul> <li>Total No. of light fittings= 36 Nos</li> <li>Total No. of light fittings to be replaced =36 Nos</li> <li>Present energy consumption with 40W = 288 KWH</li> <li>Expected energy consumption with 3W= 21.6 KWH</li> <li>Total energy saved per month= 288-21.6= 266.4 KWH per month</li> </ul>





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Principal / Correspondent Date : .....

### **ENVIRONMENTAL AUDIT REPORT**

Dr.K.V.SUBBAREDDY INSTITUTE OF PHARMACY,
Dupadu, Kurnool



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### **Executive Summary**

Dr.K.V. Subba Reddy Institute of Pharmacy is one of the premier institutions in the technical and management education in Kurnool. The institution has been delivering educational services for more than 2 decades and was established by Vaibhav Educational Society, Allagadda, Kurnool in year 2007. The college offers courses in B.Pharmacy, M.Pharmacy and Pharm.D. The college has a total student strength of 700 plus students in various branches and take admission every year. The instructional facilities are spacious, and the laboratories are continuously upgraded with equipment. There are over 100 highly qualified and dedicated faculties. The college is well-equipped with excellent instructional facilities in all branches as well as other amenities. The institution has been forefront in sustainable practices and has taken up year energy efficiency improvement as one of their core agendas. The college management instituted a committee for developing an institutional wide policy for reduction of energy, water and improve resource efficiency. The college is in complaint to latest practices in sustainability and has laid major emphasis on energy and green initiatives at the institution. The team from Aadhyapana carried out green audit which also comprises of environmental parameters like, waste management, landscaping and greenery study etc. The comprehensive green audit also covered all the energy, water and environmental parameters practised at the institution. The audit also concluded with suggestions and opportunities for improvement. Dr. K.V. Subba Reddy Institute of Pharmacy adopt a top driven approach for pursuing the opportunities by making commitments and continuously driving efficiency improvement activities and measures within the facility



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#### Acknowledgement

Aadhyapana extends its warm thanks to Dr.K.V. Subba Reddy Institute of Pharmacy for the opportunity and support rendered during the course of the Green/Environmental Audit. We appreciate the interest, enthusiasm and commitment of the management towards pursuing energy conservation activities within the facility. Aadhyapana would also like to specially thank the Dr.K.V.Subba Reddy Institute of Pharmacy team comprising of Principal Dr.G.Nagarajan, Prof. B.V.Ramana, Prof R.Jona Methusula, Mr.K.Chandra sekhar, Dr.B.Aruna, Dr.L.Narasimhulu for the relentless support and time dedicated towards this study. We also extend our special thanks to all the personnel from various departments who have helped us in the course of this audit.

#### Overview

Dr.K.V.Subba Reddy Institute of Pharmacy, Dupadu is a pharmaceutical education institution providing both undergraduate and post- graduate courses in various streams of Pharmacy. The campus meets its electrical energy requirements of the facility through grid electricity, captive generation through Diesel Generator is used for emergency purposes. The college use fresh water from the ground water for their water requirements. The college has also made provisions for collect of rain water and two rain water harvesting pits with gravity design has been installed. The institution envisaged implementing sustainability activities as part of their environmental commitment and has taken step towards reducing their ecological foot print through efficient use of resources like energy, water, waste remediation etc. Dr. K.V. Subba Reddy Institute of Pharmacy has taken up several initiatives to reduce the overall resources consumption in the facility. This is a commendable achievement and Aadhyapana appreciates the institution on this wonderful effort. Some of the important efforts and measures implemented are as below:

• Maximum utilisation of natural light in class rooms

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- Good green landscape to building area ratio
- Gravity run off design for maximum rain water collection
- Responsible E- waste storage and disposal
- Use of energy efficient air conditioners and lighting system

In-spite of successful past in-house efforts, Dr. K.V. Subba Reddy Institute of Pharmacy, has evinced keen interest for a detailed green/environmental audit.

This indicates the commitment of the Institution top management for sustainability and their open mindedness, Aadhyapana was entrusted with the

task of carrying out the detailed Energy audit and green audit study in the facility.

The team constituting of the following individuals carried out the study:

- Dr.G.Nagarajan
- Dr.B.V.Ramana
- Prof. R.John Methusula

The study was carried out in the first week of November 2021 at the facility which comprised of the following activities:

- Discussion with the green audit team on the activities/ projects implemented
- Facility visit to understand the initiatives implemented
- Data assessment and interpretation

The contents of the report are based on the data provided by Dr. K. V. Subba Reddy Institute of Pharmacy, Institutional personnel during the detailed green audit.

The Institution personnel should implement the suggestions made in the report after verifying safety aspects. It is the responsibility of the Institution personnel to observe statutory regulations, if any, as applicable norms and guidelines.



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Dr. K.V. Subba Reddy Institute of Pharmacy should set a target date for implementation of the projects identified in the facility. A cross functional team needs to be identified and entrusted with the task of implementation of the projects in a phased manner.

### Environmental Initiatives at Dr. K. V. Subba Reddy Institute of Pharmacy

Environmental management requires additional responsibility on and above the core operations. The best organisations imbibe environmental practises as part of their business plan. The onus of environmental management and its practice is even greater for education institutions as they act as cradle for future environment thought leadership.

The college has carried various initiatives for conservation of environment.

Some of the best practices include

- > Energy audit both internal and external for every year
- Water management through rain water harvesting
- > Utilisation of natural lighting
- > Better window to wall ratio on class rooms for better indoor air quality
- > Utilisation of waste water reject from RO plant for landscaping and reducing the fresh water intake
- ➤ Use of renewable energy by installing Solar PV system
- > Installation of energy efficient equipment
- ➤ E- Waste management and disposal The activities and the best practises mentioned are covered in detail in the comprehensive green audit report.
- > A list of the activities and potential is given as below
- > Environmental initiatives and their impact

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SNO <sub>V</sub> ERE	ARBA	OBSERVATION	REMARK						
1.	Solid waste	waste bins are placed	Good initiative						
	Management	separately for dry and	taken by college						
		wet waste at every corner	towards use of						
		of the corridor, Organic	solid waste						
		waste like leaves, food	Management						
		waste etc	System.						
2.	Liquid waste	However, rain water	Good initiative						
	Management	harvesting is used to	taken by college						
		recharge the ground level	towards Water						
		water.	Conservation.						
	·								
3.	Plastic free campus	College is taking	Good initiative by						
		initiative by	college towards to						
		displaying banner about	implement Plastic						
		awareness of plastic free	Free Campus.						
		Campus.							
4.	E-waste management	Had MoU with agency							
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#### Conclusion

Dr. K.V. Subba Reddy Institute of Pharmacy should establish certain guidelines for environmental activities in the campus

- Make sustainable practices mandatory at the Institution.
- Monitor goals related environmental practices.
- Form a cross functional team within the Institution with a senior personnel from all the Individual departments for new Initiatives related environmental management
- Introduce suggestion scheme with a reward policy for energy conservation ideas/projects.
- Impart awareness and trainings to employees & students on a regular basis through campaigns, competitions, visit to other energy efficiency, water, waste and material conservation, participation in conference and external workshops, etc.

To achieve this objective, a firm top management commitment to protect environment Is required at the highest level of the organization. The management needs to continuously review the progress on a regular basis and assign specific responsibilities for the realization of these commitments. To start with, the top priority of the management is to Implement the recommended projects and reap benefits. In Dr.K.V.Subba Reddy Institute of Pharmacy should strive to become the Institution known best sustainable practices within the education fraternity.

Director