ख़्वाजा मुईनुद्दीन चिश्ती भाषा विश्वविद्यालय, लखनऊ
Khwaja Moinuddin Chishti Language University, Lucknow

Energy Audit Report

2022-2023

On Dated: 05th to 06th June 2023

AUDITED BY

Er. Ashutosh Kumar Srivastava (B.E, Civil Engineering, 1986) & Team

(Assessor IAS, Assessor NABCB/QCI, Under Ministry of Commerce, Certified Lead Auditor ISO

9001, 14001, 22001, 45001, 50001, Expert in Climate Change, Waste Management, Facilitator CII-IGBC, IGBC AP, ASSOCHAM-GEM-CP, GRI Professional)

G.C. CONSULTANCY SERVICES

(ISO 9001, 14001, 45001 Certified, MSME & NSIC Registered Company)

Flat No.614 Vasant Enclave, Rajendra Nagar, Gorakhnath, Gorakhpur UP – 273015 India

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KHWAJA MOINUDDIN CHISHTI
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LUCKNOW

ACKNOWLEDGEMENT

M/s G C Consultancy Services, audit team grateful to Hon'ble Vice Chancellor Prof. N.B. Singh of Khwaja Moinuddin Chishti Language University, Lucknow, for assigning this important work of Energy audit. We appreciate the co-operation to our team for completion of study.

Our special thanks to:

1.	*Prof. N.B. Singh*	*Hon'ble Vice Chancellor* *Khwaja Moinuddin Chishti* *Language University, Lucknow.*
2.	*We are also thankful to Prof. (Dr.) Nalini Mishra (Department of Education), Prof. Fakhre Alam (Department of Urdu), Prof. Neeraj Shukla (Department of Commerce), Dr. Bheem Sankar (Department of Applied Science and Humanities), Prof. Koushlesh Kumar Shah (Department of Civil Engineering) and Dr. Syed Asghar Husain Rizvi (Department of Mechanical Engineering) for sparing their precious time and guiding us on various aspects of university development & achievements.* *Thanks a lot, to you all, we learnt a lot from you. This will guide us also for our future works and guiding us on various aspects of college development & achievements.*	
3.	*Our special compliments to Prof. (Dr.) Nalini Mishra (Department of Education), who was continuously with us during the audit and her efforts of coordination with other departments in collecting the data & helping us compiling them, cannot be forgotten.*	
4.	*We are also thankful to the staff members for giving us supports & valuable input by involving themselves while collecting the data and conducting field tests and measurements.* *We also extend our thankfulness to canteen staffs & Manager who gave us a five star welcome and served a highly hygienic and hot food stuffs. The canteen was well sanitized and food stuff was also of commendable quality*	

Date: 10th Jun 2023

Authorised Signatory

Place: Gorakhpur (U.P)

M/s GC Consultancy Services

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Disclaimer

M/s G C Consultancy Services, Energy Audit Team has prepared this report for Khwaja Moinuddin Chishti Language University, Lucknow (U.P). based on input data submitted by representatives of university complemented with the best judgment capacity of the expert team and samples collected by our team in presence of university team members.

While all sensible care has been taken in its preparation, details contained in this report have been compiled in good faith based on information gathered.

It is further informed that the conclusions are arrived following best estimates and no representation, warranty or undertaking, express or implied is made and no responsibility is accepted by Audit Team in this report or for any direct or consequential loss arising from any use of the information, statements, or forecasts in the report.

If Khwaja Moinuddin Chishti Language University, Lucknow. Authorities wish to distribute copies of this report external to any organization, and then all pages must be included.

M/s G C Consultancy Services, its staff and agents shall keep confidential all information relating to University and shall not disclose any such information to any third party, except that in the public domain or required by law or relevant accreditation bodies M/s G C Consultancy Services staff, agents and accreditation bodies have signed individual confidentiality undertakings and will only receive confidential information on a 'need to know' basis.

G.C. CONSULTANCY SERVICES * GORAKHPUR *

Ashutosh Kumar Srivastava
(Assessor NABCB/QCI, Assessor IAS, IGBC AP, ASSOCHAMGEMCP, Facilitator CIIIGBC, Lead Auditor ISO9001, ISO14001, ISO22000, ISO45001, ISO50001, ISO 17020, ILAC P15, GRI certified Professional 2021 updated)

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Context and Concept

In India, the process for environmental audit was first mentioned under the Environment Protection Act, 1986 by the Ministry of Environment of forests on 13th march, 1992. As per this act, every person owning an industry or performing an operation or process needs a legal consent and must submit an environmental reporter statement.

The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory from the academic year 2019–20 onwards that all Higher Educational Institutions should submit an annual Green, Environment and Energy Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the sustainable environment.

In view of the NAAC circular regarding environment auditing, the University management decided to conduct an external environment assessment study by a competent external professional auditor.

The term 'Environmental audit' means differently to different people. Terms like 'assessment', 'survey' and 'review' area, so used to describe similar activities. Furthermore, some organizations believe that an 'environmental audit' addresses only environmental matters, whereas others use the term to mean an audit of health, safety and environment-related matters. Although there is no universal definition of Environment Audit, many leading companies/institutions follow the basic philosophy and approach summarized by the broad definition adopted by the International Chambers of Commerce (ICC) in its publication of Environmental Auditing (1989).

The ICC Defines Environmental Auditing as:

"A management tool comprising a systematic, documented, periodic and objective evaluation of how well environmental organization, management and equipment are performing with the aim of safeguarding the environment and natural resources in its operations/projects."

This audit focuses on the environmental legal compliances and implementation of rules defined by MoEF&CC or CPCB, state pollution control board. The concepts, structure, objectives, methodology, tools of analysis are objectives of the audit are discussed below.

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CERTIFICATE

This is to certify that a detailed "Energy Audit" for Khwaja Moinuddin Chishti Language University, Lucknow (U.P) has been conducted at its campus for the academic year 2022-2023 on 05th & 6th of June 2023. The audits were conducted in accordance with the applicable standards prescribed by the U.P. State Pollution Control Board, Central Pollution Control Board (CPCB), New Delhi, and the Ministry of Environment, Forest, and Climate Change, (MoEF&CC), New Delhi. The audit involves Energy/ Renewable Energy, and given an 'Environmental Management Plan' (EMP), which the University may follow to minimize the impact on the institutional working framework. In an opinion and to the best of our information and according to the information given to us, said Environment and it gives a true and fair view in conform, it with environmental audit in principles accepted in India.

GORAKHPUR * G. C. CONSULTANCY SERVICES *

Date: 10th June 2023

Place: Gorakhpur

Authorized Signatory & Seal

G C Consultancy Service, Gorakhpur

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Preface

Lucknow, the capital city of Uttar Pradesh, is a city known for its rich cultural heritage, historical significance, and royal grandeur. Located in the northern part of India, Lucknow is situated on the banks of the Gomti River. It has a population of over 3 million people and is the eleventh most populous city in India. Lucknow holds a prominent place in Indian History and has been a center of power and culture for centuries. It was the seat of the Nawabs of Awadh, who were known for their refined taste, extravagant lifestyle, and patronage of arts and literature. The city flourished under their rule and became a hub of art, music, dance, and poetry. One of the defining features of Lucknow is its unique architectural style, commonly referred to as "Nawabi" or "Awadhi" architecture. This style blends elements of Mughal and Persian architecture with local Awadhi influences, resulting in beautiful structures characterized by intricate designs, domes, minarets, and ornate motifs. Lucknow is renowned for its culinary delights and is often referred to as the "City of Nawabs" due to its legendary Awadhi cuisine. Apart from its cultural and culinary heritage, Lucknow is also home to several notable landmarks. The Bara Imambara, built in the 18th century, is an architectural marvel known for its labyrinthine passages and the grand Bhool Bhulaiya (maze). The Rumi Darwaza, an imposing gateway, is another iconic structure that has become a symbol of Lucknow. Lucknow has also made its mark in the field of education, with several renowned institutions located in the city. The city's educational institutions have produced scholars, writers, and poets who have contributed significantly to the literary and intellectual landscape of India. Furthermore, Lucknow is known for its warm hospitality and "tehzeeb" (etiquette). The people of Lucknow are known for their politeness, courtesy, and refined mannerisms, which have become an integral part of the city's identity. In recent years, Lucknow has seen rapid urbanization and development. It has emerged as a major commercial and IT hub, attracting businesses and industries from various sectors. The city has also witnessed infrastructural growth, with modern shopping malls, multiplexes, and residential complexes dotting its landscape. Lucknow's blend of historical charm and modern aspirations makes it a captivating destination for tourists, history enthusiasts, and food lovers alike. The city continues to preserve its cultural heritage while embracing the opportunities of the present, making it a vibrant and dynamic city in India's landscape.

HISTORY OF LUCKNOW

The history of Lucknow spans several centuries, beginning with its origins as a small settlement and evolving into a prominent city with a rich cultural and historical legacy. Here is an overview of the key historical milestones in the development of Lucknow:

Ancient and Medieval Era: The area around present day Lucknow has a History daring back to ancient times. The region was part of the Gupta Empire (4th-6th century) and later came under the rule of various dynasties, including the Kannauj Kingdom, Delhi Sultanate, and the Mughal empire. The city of Lucknow itself was established in the 13th century by the Suryavanshi dynasty, but it remained a small town until later periods.

Mughal Era: Lucknow gained prominence during the Mughal period when it became a provincial capital of the Awadh region. In 1722, Nawab Saadat Khan, a Persian noble appointed as the

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governor of Awadh, laid the foundation of Awadh's rule in Lucknow. The city flourished under the Mughal-appointed Nawabs of Awadh, who established their court and made Lucknow their capital. The reign of Nawab Asaf-ud-Daula (1775-1797) is often considered a golden era, known for its opulence, architecture, and patronage of arts and culture.

Nawabi Rule: The Nawabs of Awadh played a crucial role in shaping the cultural and architectural landscape of Lucknow. The city witnessed a remarkable transformation with the construction of magnificent structures such as the Bara Imambara, Chota Imambara, Rumi Darwaza, and the Residency. These architectural marvels, blending Mughal and Awadhi styles, still stand today as a testament to Lucknow's glorious past.

Colonial Era and the 1857 Rebellion: In the 18th and 19th centuries, Lucknow faced the shifting power dynamics between the Nawabs of Awadh, the British East India Company, and the British Raj. Lucknow became a center of resistance during the Indian Rebellion of 1857, with the siege of Lucknow being a significant event. The rebellion resulted in the end of Awadh's independent rule, and Lucknow was brought under direct British control.

Post-Independence: After India gained independence in 1947, Lucknow became the capital of the newly formed state of Uttar Pradesh. The city witnessed significant growth and development in various sectors, including education, industry, and administration. Institutions like Lucknow University, renowned schools, and government offices were established, contributing to the city's progress.

Modern Era: In recent years, Lucknow has undergone rapid urbanization, infrastructural development, and economic growth. It has emerged as a major center for commerce, information technology, and services. The city has embraced modernity while preserving its cultural heritage and continues to be a hub of art, literature, and traditional craftsmanship.

The history of Lucknow reflects its journey from a small town to a thriving metropolis, blending influences from ancient, medieval, and colonial periods. Today, the city stands as a testament to its rich past, offering a glimpse into the grandeur and cultural tapestry of its historical legacy.

ADMINISTRATIVE DIVISIONS OF LUCKNOW DISTRICT

Name of Tehsil and area in Sq.Km.	Name of Block	Block area in sq.km	Number of Villages	Number of Nyay Panchayats	Number of Gram Panchayats
I. Lucknow (616.13)	i. Kakori	191.72	83	10	58
	ii. Sarojini Nagar	316.13	93	13	68
	iii. Chinhat	108.28	59	08	33
II. Malihabad (471.84)	iv. Malihabad	220.36	100	13	58
	v. Mal	251.48	87	11	55
III. Bakshi-Ka-Talab (350.42)	vi. Bakshi-Ka-Talab	350.42	183	17	99
IV. Mohanlalganj (644.07)	vii. Mohanlalganj	361.51	113	14	75
	viii. Gosainganj	282.56	117	13	72
Total Rural	-	**2168.50**	**835**	**97**	**511**
Total Urban	-	359.50	-	-	
Total District	-	**2525.00**	-	-	

The 'Uttar Pradesh Urdu, Arabi Farsi University' was established on 1st October 2009 under U.P State Universities (Amendment) Act. It was renamed 'Shri Kanshiramji Urdu, Arabi Farsi University on 4th April, 2011. In 2012, the university was re christened 'Khwaja Moinuddin Urdu, Arabi-Farsi University, under U.P. State Universities (Amendment), Act 2012 (Notification No.597/79-V-1-12-2(Ka) S 2012 dated 16th August 2012). Dr.Anis Ansari, IAS(Retd), took over as the Founder Vice Chancellor on 23rd April 2010.

"Our Guiding Light and Inspiration" - Sufi Saint Khwaja Moinuddin Chishti of Ajmer"

The University was named after Sufi Saint Khwaja Moinuddin Chishti of Ajmer who is known all over the world, for his benevolence and magnanimity. Khwaja Moinuddin was born in 1141 CE in Chishti in Herat, Afghanistan. Also known as 'Gharib Nawaaz' and 'Benefactor of the poor', he is the most famous saint of the Chishti order of Sufism in the Indian Subcontinent. After a brief stay at Lahore, Khwaja Moinuddin Chishti headed towards Delhi, which was, at that time, considered to be a city of political and religious disharmony. Khwaja Moinuddin Chishti began delivering his sermons in his characteristic soft spoken demeanor. As a result of his kindness and forbearance, millions of Hindus and Muslims were inspired to move toward the path of truth and unity. Thereafter, Khwaja Moinuddin Chishti left Delhi and headed towards the remote city of Ajmer, where he resided with the one of most powerful princes of Northern India, Raj Prithviraj. Through his humble approach and modest existence, not only did the Sufi Saint mould the character of the people, but he also led them to more prosperous ways of living and cultivated in them the qualities of humanity and truth. Followers from all religions emulated and symbolized his dictum of "Sulh-i-Kul" (Peace with all). Thus, he brought the message of universal love and peace. He fulfilled the objectives of bringing together the various castes, communities and races, elevating humanity from the swamp of materialistic concerns, which is leading mankind towards destruction today. Against this backdrop, it was most apt that Lucknow, which is famous for its "Ganga-Jamuni tehzeeb" (culture) be chosen as the location for a university named after the great Khwaja Moinuddin Chishti, who was the paragon of Hindu-Muslim unity.

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About Khwaja Moinuddin Chishti Language University

Language establishes the identity of a nation. Language is also the means of identification, creation, preservation and extension of knowledge. It helps individuals and communities to connect with the world. As a subject, Language attracts many scholars and thinkers to explore its various unexplored dimensions. Many efforts are being made by the government to connect language with the country's heritage and promote quality research in the area. The National Education Policy (NEP 2020) also emphasizes promoting multilingualism and using the power of language in teaching and learning. Supporting these initiatives, the University too is attempting to contribute extensively towards the promotion of languages. Established under the Uttar Pradesh Arabi Farsi Universities Act 2009 (U.P. Act No. 12 of 2009) this University got its name as 'Khwaja Moinuddin Chishti Urdu, Arabi Farsi University' by an Amendment in the year 2012 in the name of well acclaimed Sufi Saint Khwaja Moinuddin Chishti of Ajmer whose simplicity and generosity have inspired people across the globe. In the month of February 2020, the State Cabinet, passed the proposal to rename the University as 'Khwaja Moinuddin Chishti Language University.' Situated on Sitapur-Hardoi Bypass Road, the University aims to equip its students with quality education along with a deep understanding of the cultural fabric of the country and inspires them to contribute progressively towards building a knowledge society. The University started its first academic session in August 2013 with students pursuing studies in Urdu, Arabic, Persian, English, Hindi, Geography, History, Economics, Home Science, Physical Education, Political Science, Education, Commerce, Computer Science, Business Administration and Journalism and Mass Communication under its Graduate and Postgraduate programmes. Apart from these, Diploma courses have also been a popular option among students enrolling in the University. At present this strength has gone upto 4130 and number of programmes offered by this university has also increased significantly. Since its inception the University has grown considerably in its scale and scope. It now offers a plethora of learning opportunities to the students from within and outside the state and with a rich blend of professionalism and tradition, this University has already established a niche in the academic circle of Uttar Pradesh.

4 Professional courses such as Engineering and Technology have always been popular among the students. Therefore, the University has also introduced AICTE approved B.Tech. Program in Civil Engineering, Mechanical Engineering, Computer Science, Fashion Technology and Computer Science and Engineering with Artificial Intelligence and Machine Learning in the University since 2019. The University has also launched LL.M. program and is striving to start LL.B. program under the faculty of legal studies from the current session. The University is constantly making new endeavors to establish its identity as a Language University. Thus, apart from offering courses in Hindi, English, Sanskrit, Urdu, Arabic and Persian the University is also in the process of introducing specialized courses in other Indian and Foreign Languages to help the students learn a new language in addition to their regular academic programmes. The university has also decided to offer courses pertaining to History and Culture of language. In addition, Value Added Courses have been initiated by almost every department of the university to match the expectations of NEP 2020 guidelines. Looking at the importance of sports and physical activities along with studies, the University offers curriculum for Physical Education at Undergraduate level and sports events are organized in the University campus on a regular basis.

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Besides taking care of physical security, efforts have been made to secure the premises digitally and for this purpose CCTV cameras have been installed throughout the campus. The University also provides free Wi-Fi facility to all students, faculty members and non-teaching staff.

Campus:

The university is presently located on 28 acres of land on Sitapur Hardoi Bypass Road, adjacent to Indian Institute of Management (IIM), Lucknow. The Govt. of U.P. has decided to acquire additional 15 acres of land for the University. Another proposal of purchasing additional 120 acres of land from Lucknow Development Authority (LDA) is also being considered by Govt. of U.P.

Faculties and Departments

The sanctioned strength of university teachers including Professors, Associate Professors and Assistant Professors is 132, while the strength of the non-teaching staff is 60.

Department of Khwaja Moinuddin Chishti Language University

- Department of Arabic
- Department of English & Modern European & Asian Languages
- Department of Hindi
- Department of Persian
- Department of Urdu
- Department of Economics
- Department of Education
- Department of Geography
- Department of History
- Department of Journalism and Mass Communication
- Department of Physical Education
- Department of Political Science
- Department of Business Administration
- Department of Commerce
- Department of Computer Science and Information Technology
- Department of Home Science

Vision, Mission & Goals

Vision:

To achieve excellence in language, education, research and innovation grooms learners into becoming productive, responsible, ethical, creative and compassionate members of society.

Mission:

To create a culture of inclusion, respect and collaboration for faculty members, students, and staff to achieve excellence.

To explore opportunities in Indian and Foreign Languages through preserving traditional Indian Knowledge System and using modern technology.

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To ensure transformative educational experience for students focused on value-based learning, transparent work ethics, extension activities, community engagement and participative leadership.

To deliver education that provides access to diverse population, global opportunities and prepares students to lead in language, research, innovation, critical thinking, and nation building.

Goals:

To promote learning of All Languages to understand the essence of their culture. To impart education and training in vocational and technical subjects so that the students are better equipped for job-oriented courses.

Khwaja Moinuddin Chishti Language University, Lucknow

Campus Area:	28 Acres
Academic Block:	02
Laboratories:	30 Approximately
Research Center:	20 Approximately
NCC Units:	1
NSS Units:	5
Library:	10 Approximately
Parks:	1
Playing Grounds:	1
Gym:	1
Staff Quarters:	48
Hostel:	2
Vehicle Parking Grounds:	2

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NAAC Rating:

KMC Language University was established in 2009 and is going for the 1st cycle of NAAC assessment Rating. However, KMC Language University is ISO 9001:2015 (Quality Management System) certified university.

QRO
QUALITY RESEARCH ORGANIZATION

Certificate of Registration

This is to certify that

KHWAJA MOINUDDIN CHISHTI LANGUAGE UNIVERSITY
SITAPUR- HARDOI BYPASS ROAD, LUCKNOW,
PIN - 226013, U.P. INDIA

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

EDUCATIONAL INSTITUTE

Date of Certification: 16th November 2021 — 2nd Surveillance Audit Due: 15th November 2023
1st Surveillance Audit Due: 15th November 2022 — Certificate Expiry: 15th November 2024

Certificate Number: 30502111630Q

QRO EGAC IAF

Awareness for Environment:

Khwaja Moinuddin Chishti Language University exists and has a focus on environmental awareness, it may have its own programs or initiatives aimed at promoting environmental sustainability, conservation, or eco-consciousness.

To gather accurate information about the university's specific efforts or initiatives related to the environment, I recommend contacting the university directly or visiting their official website. They should be able to provide you with the most accurate and up-to-date information about

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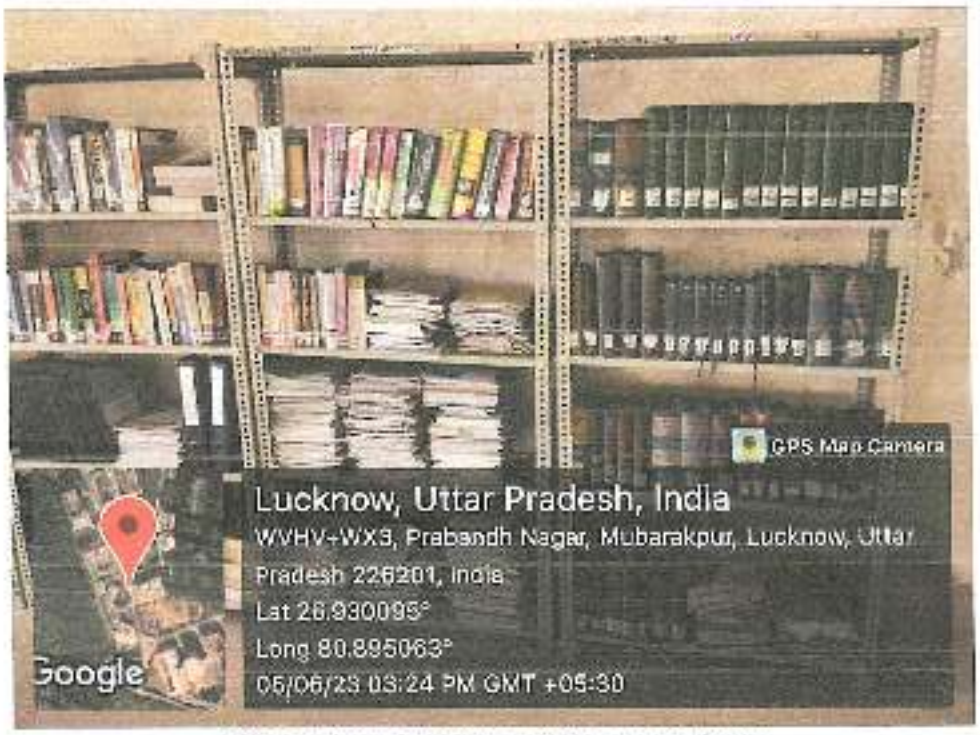
their environmental awareness programs, if any.
Please note that my information may not be comprehensive or reflect recent developments, so it's always best to verify with official source.

Library

The library houses a rich collection of 77326 books, relating to different subjects. The University library offers a congenial study environment for students, staff and visitors and provides a wealth of knowledge through its vast collection of books and online resources. It houses a rich resource of books, relating to different subjects. It also subscribes to a variety of periodicals, magazines and journals to keep the students abreast of the contemporary scenario in their areas of study.



Library at KMC Language University, Lucknow

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Primary Health Centre & Banking:

Health Centre

The medical Centre of the university caters to the medical need of students and staff. The Centre offers 24 hours OPD facility and is equipped to deal with any emergency situation.

Medical facility at KMC Language University, Lucknow

BANK

An exclusive branch of Canara Bank with ATM facility is operating within the campus to facilitate financial transaction of the university community, especially the students.

Other Student Activities

Clubs and Organizations: Students can join various clubs and organizations based on their interests, such as cultural clubs, sports clubs, academic clubs, social service organizations, and more. These groups often organize events, workshops, competitions, and meetings related to their respective focus areas.

Cultural Events: Universities often host cultural festivals, music concerts, dance performances, and drama productions. These events provide opportunities for students to showcase their talents and immerse themselves in diverse cultural experiences.

Sports and Athletics: Many universities have sports facilities and organize intramural or intercollegiate sports competitions. Students can participate in a range of sports, including football, basketball, cricket, badminton, and athletics.

Seminars and Workshops: Universities frequently organize seminars, workshops, and conferences on various topics, inviting renowned speakers, scholars, and industry experts. These events offer students the chance to learn from experts and engage in intellectual discussions.

Community Service: Universities often encourage students to engage in community service activities, such as volunteering at local organizations, conducting awareness campaigns, or participating in social initiatives.

Student Government: Universities typically have student governments or student unions that

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represent the student body and organize events, address student concerns, and advocate for student rights and welfare.

Academic Competitions: Students can participate in academic competitions, research symposiums, hackathons, and other events related to their fields of study. These activities foster academic growth and encourage innovation and collaboration.

Discipline & use of Mobile phone:

The use of mobile phones by the students is prohibited in the classrooms and on the campus. Nevertheless, they can be used in the garden. Dress Code has been decided for the faculty members. The whole campus is monitored by CCTV cameras. The University takes strict measures to maintain safety and security for all.

N.S.S (National Service Scheme):

The program aims to inculcate social welfare in students, and to provide unbiased service to society. NSS volunteers work to ensure that everyone who is needy gets help to uplift their standard of living and lead a life of dignity.

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...के निर्माण के लिए अच्छी सोच का होना आवश्यक

लखनऊ। सैनिक और अर्धसैनिक [illegible] विश्वविद्यालय के मुख्य वैज्ञानिक अधिकारी [illegible] ...

भाषा विश्वविद्यालय में मनाया गया 'व्हाइट केन सेफ्टी डे'

भाषा विश्वविद्यालय के सांस्कृतिक कार्यक्रम कोजैक में प्रतिभागियों के हुनर का प्रदर्शन

लखनऊ। ख्वाजा मुईनुद्दीन चिश्ती भाषा विश्वविद्यालय में मनाए जा रहे सांस्कृतिक कार्यक्रम कोजैक के [illegible]

विश्व गुरु बनाने की जिम्मेदारी छात्रों की

कोजैक प्रतिभागियों के लिया पोस्टर प्रदर्शन

आईबीएम के प्रोग्राम संवारेंगे भविष्य

लखनऊ। ख्वाजा मोईनुद्दीन चिश्ती भाषा विश्वविद्यालय के अभियांत्रिकी एवं प्रौद्योगिकी संकाय तथा कंपनी संस्था के बीच हुए सम्झौते के तहत शनिवार को आईबीएम प्रशिक्षण के लिए ओरिएंटेशन कार्यशाला का आयोजन किया गया। कार्यशाला में मुख्य वक्ता के रूप में संस्था के सीनियर प्रोग्राम मैनेजर विजय प्रकाश ने कहा कि आईबीएम का यह सिक्स कार्यक्रम विद्यार्थियों का भविष्य संवारेगा। कार्यशाला में आईबीएम के लगभग आठ हजार से अधिक ऑनलाइन सर्टिफिकेट कोर्स के विषय में जानकारी दी।

अक्षत और मानसी ने जीता ताइक्वाण्डो में स्वर्ण

लखनऊ। ख्वाजा मुईनुद्दीन चिश्ती भाषा विश्वविद्यालय में बीए द्वितीय वर्ष की विद्यार्थी मानसी गौतम और बीए प्रथम वर्ष के अक्षत बाजपेई ने 15वीं राष्ट्रीय

National Cadet Corps (NCC)

National Cadet Corps (NCC) was started in the university in the year 2019 to develop character, comradeship, discipline, and secular outlook, spirit of courage and ideals of volunteerism in the girl students.

At present the university has a unit of 20 UP Girls Battalion NCC Lucknow, its capacity is 80 cadets. All the cadets have been participating in various national and local programs from time to time. In the time of Covid-19, handmade masks were distributed by the cadets keeping in mind the safety rules. Cadets participate enthusiastically on various important national and social issues like Constitution Day, Voter Awareness Day, Mission Shakti, Swachhta Abhiyan, Yoga Day, Fit India and all national festivals, so that they succeed in further deepening their connection with the society. Various social activities such as awareness Campaigns, Tree Plantation Drive, Mission Ganga, Nadi Utsav and Mission Shakti etc. NCC training activities

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like physical training, Yoga, Drill, firing, map reading, obstacle training enhances the personality of a cadet and have also increase the chances of making future in Armed forces. As a cadet practical experiences are amazing. During COVID-19 times, a lot of activities were also done as awareness campaigns for vaccination and spreading the do's and don'ts of the COVID-19. NCC keeps the safety and security of its cadets as a priority too.

The cadets participated in various programs like essay writing competition, slogan writing etc. organized under Mission Shakti Yojana of Government of Uttar Pradesh. Along with the suggestions given by health and nutrition experts, we try to make our life better. On 7th February 2021, the Chancellor of the University and Hon'ble Rajpal, Uttar Pradesh Smt. Anandiben Patel said that various creative works are being done by the girls' cadets, which has increased their morale.

Needless to say that the National Cadet Corps is motivating the Indian youth to join the Armed forces and also providing a conducive environment for the development of their overall personality. Surely the day is not far when the NCC girls of the university will flaunt their success not only in the country but in the world.

UG Programs:

Sr. No.	Details
1.	B.A. Urdu
2.	B.A. Arabic
3.	B.A. Persian
4.	B.A. English
5	B.A. Hindi
6.	B.A. Sanskrit
7.	B.A. French
8.	B.A. German
9.	B.A. Chinese
10.	B.A. Japanese
11.	B.A. Pali
12.	B.A. Fine Arts
13.	B.Com.
14.	B.Com. Travel & Tourism Management
15.	B.B.A.
16.	B.A. History
17.	B.A. Economics
18.	B.A. Political Science
19.	B.A. Sociology
20.	B.A. Education
21.	B.A. Geography
22.	B.A. Home Science

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23.	B.A. Physical Education
24.	B.A. JMC
25.	B. Ec
26.	B.C.A.
27.	B.Sc. Physics
28.	B.Sc. Chemistry
29.	B.Sc. Mathematics
30.	B.Sc. Computer Science
31.	B.Sc. Zoology
32.	B.Sc. Botany
33.	B.Sc. Biotechnology
34.	B.Sc. Microbiology
35.	B.Sc. Statistics
36.	B. Tech. (Civil engineering)
37.	B. Tech. (Mechanical Engineering)
38.	B. Tech. (Computer Science Engineering)
39.	B. Tech. (Biotechnology Engineering)
40.	B. Tech. (Computer Science Engineering with AI & ML)
41.	B. Tech. (Civil and Environmental Engineering)
42.	B. Tech. (Automation & Robotics Engineering)
43.	B. Tech. (Artificial Intelligence & Data Science Engineering)
44.	Bachelor of Laws
45.	B. A. LL.B

PG Programs

Sr. No.	Details
1.	M.A. Urdu
2.	M.A. Arabic
3.	M.A. Persian
4.	M.A. English
5.	M.A. Hindi (Self Finance)
6.	M.A. Fine Arts (Self Finance)
7.	M.Com.
8.	M.B.A.
9.	M.A. Geography
10.	M.A. Home Science
11.	M.A. Education
12.	M.A. History
13.	M.A. Economics
14.	M.A. JMC
15.	M.C.A.
16.	M. Tech. (CSE- AI &ML)
17.	M. Tech. (Mechatronics)

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Ph.D. Programs

Sr. No.	Details
1.	Department of Arabic
2.	Department of Business Administration
3.	Department of Commerce
4.	Department of Computer Science & Information Technology
5.	Department of Economics
6.	Department of Education
7.	Department of English & Modern European & Asian Languages
8.	Department of Geography
9.	Department of History
10.	Department of Home Science
11.	Department of Journalism & Mass Communication
12.	Department of Persian
13.	Department of Urdu

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Introduction of Auditing Firm

M/s. G C Consultancy Services, Gorakhpur is ISO:9001, 14001 & 45001 certified, a fast growing committed consultancy firm. It has its unique feature & unlike other organization we don't simply conduct audit and report preparation is done. But we consider all Government norms (Central & State), CPCB, SPCB, NGT and Supreme court guidelines at the time of Audit. The quality and adoption of CPCB, SPCB norms is our commitment. It is one of the fast-growing Organization in Energy audit, renewal energy, water conservation, waste management, air quality services providing company executed several projects covering all the diversified field Sectors & states of India. The Director Being Ex Central Government Officer & having experience of 34+ years and his associate team members are very well experienced in the field of Environment, Energy Audits. The associate team and experts are highly qualified and experienced in the field of diversified Environment Audit and Services. Individual credential of each member in the field of Energy Audit is very rich due to their past association with the very reputed organization of Auditing sectors. The company has Head office at Gorakhpur, Uttar Pradesh.

Name of Firm	M/s G C Consultancy Services
Address	614, Vasant Enclave, Rajender Nagar, Gorakhnath, Gorakhpur. 273015
Contact details	7007/94292, 9919935600 Email id: gccs4114@gmail.com

G C Consultancy Director's & team Details

Sr. No.	Name	Designation	Qualification and Technical Experience
1.	Er. Ashutosh Kumar Srivastava Director	Principal Auditor 34+ Years of Experience	*BE (Civil), 1986 batch Lead Auditor ISO 9001, 14001, 22001, 45001, 50001, 17020 GRI professional 2021 Updated.* *IGBC AP, ASSOCHAM GEM CP, Expert in water audit, air audit, waste management.*
2.	Dr. Anita Srivastava	Head for documentation	*Ph. D (Botany) 1991, Rajasthan University, Jaipur, Rajasthan*
3.	Mr. Vikas Srivastava Deputy Director	Water Quality & Quantity, Ambient Air Quality Expert, and Head for preparation of report. 5+ Years' Experience	*B.Com. from DDUGU* *M.Com. from DDUGU* *UGC NET Qualified*

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4.	Mr. Lokendra Singh Chauhan	Energy & Renewal Expert 15 Years' Experience	*AMIE (Electrical Engineering) from Institute of Engineers India, Kolkata, PG Diploma in Strategic HR Management, Retired as Scientist-D/ Joint Director from Bureau of BIS after 38+ years' experience of working in different activities of BIS.*
5.	Priyanka Tomar	*Trainee Auditor*	*Bachelor of Engineering* *Master of Engineering*
6.	Mr. Gaurav Verma	*Program Officer* *4+ years' experience*	*B.Com. from Siddharth University* *M.Com. from Siddharth University*

GCCS Team at KMC Language University, Lucknow

M/s G C Consultancy Services Registered in Ministry of Micro, Small & Medium Enterprises (MSME) as Micro unit, registered in NSIC under Environment Consultancy services.

List of Instruments

Following are the instrument used at the time of the Environment Audit.

Sr. No.	Instrument	Make and Sr. No.
1	Temperaturegun 1 Set (infrared Thermometer)	*Cyclops I Portable pyrometers*
2	Lux Meter 1 Set (Digital Lux Meter)	*Fluke lux meter. Conforms to IEC 61010, CAT III 600V safety rated*
3	Flue gas Analyzer	*Testo 330i: The future of flue gas analysis.*

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Energy Audit

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1.0 ENERGY AUDIT

Energy is one of the major inputs for the economic development of any country. The fundamental goal of energy management is to produce goods and provide services with the least cost and least environmental effect. Also, it can be said as "the strategy of adjusting and optimizing energy, using system and procedure so as to reduce energy requirements per unit of output while holding constant or reducing total costs producing the output from these systems". The energy audit is key to a systematic approach for decision-making in the area of energy management. It attempts to balance the total energy inputs with its use and serves to identify all the energy streams in a facility. The present policy of Government of India is to achieve Net Zero. All out efforts have been planned. As discussed with the eminent professors, it was informed that sooner they are planning to install 150kW solar panels. KMC Language University is committed to achieving the goal of becoming net zero policy.

1.1 Resource of Energy Audit

Energy resources utilized by all the departments, support services, and the administrative buildings of KMC Language University, include Electricity, and Diesel Generators installed on the campus.

1.2 Energy Audit Objective

The main energy audit objective is to reduce power consumption and save revenue of university. The objective of audit is to maximize saving energy and using best technology to save energy.

1.2.1 Primary

- The first objective is to acquire, analyze data and find the necessary consumption pattern of the whole campus area.
- The second objective will be to calculate the wastage of energy pattern based on the results of the first objective.
- The final objective is to find and implement solutions that are acceptable and feasible in the most economical way.

1.2.2 Secondary

This would be the first exposure of university to this field hence experience gain would be vital (University themselves be able to identify the energy distribution).
This project will follow many follow up projects and hence helps to gain technical and management exposure required for future energy projects.
This will surely help create vital reductions hence will develop in overall achievement.

1.3 Indirect Benefits of Energy Audit

Every time the Energy Audit is carried out it, there shall be analysis of Energy

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Conservation is an important function. Energy Auditors sharing their experience and knowledge with the Plant Personnel helps in fueling the innovative ideas for further action of reduction in Specific Power consumption (SPC). Any loose connections or heating of cables come to timely vision. For a next unbiased vision, a few points for Energy Conservation may be visible each time when perform the audit and this would help in achieving further saving. Inform any irregularities in Energy meter HT connections for rectification.

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2.0 Indoor lighting fixtures

Sr. No.	Location	Location of Fixture	No. of Lighting Fixture	Power (Watts)	Total Power consumed (Watts)	Annual Consumption in kW	2/3 of annual consumption	Amount Paid	Recommended wattage	Total consumption after recommendation	Annual wattage savings in kW	Annual savings in Rs.	Cost of LED bulbs
1	Girl's Hostel	Mess	41	40	1640	2833.97	1889.28	14547.456	18	848.176	1039.1	8001.101	11562
		Gallary	101	40	4040	6981.12	4654.08	35836.416	18	2091.235	2559.74	19710.03	28482
		Bathroom's	12	40	480	829.44	552.96	4257.792	18	248.832	304.128	2341.786	3384
		Room's	169	40	6760	11681.28	7787.52	59963.904	18	3504.384	4283.14	32980.15	47648
		warden rooms	1	40	40	69.12	46.08	354.816	18	20.736	25.344	195.1488	282
2	Boy's Hostel	Mess	37	40	1480	2557.44	1704.96	13128.192	18	767.232	937.728	7220.506	10434
		Gallary	144	40	5760	9953.28	6635.52	51093.504	18	2985.984	3649.536	28101.43	40608
		Bathroom's	14	40	560	967.68	645.12	4967.424	18	290.304	354.816	2732.083	3948
		Room's	198	40	7920	13685.76	9123.84	70253.568	18	4105.728	5018.112	38639.46	55835
3	Rusa Building	All floors	250	20	5000	8640	5760	44352	20	8640	0	0	0
		All floors	74	40	2960	5114.88	3409.92	26256.384	18	1534.464	1874.16	14441.01	20868
		All floors	42	18	756	1306.368	870.912	6706.0224	18	1306.368	0	0	0
4	Students facilaty centre	GF + FF	84	20	1680	2903.04	1935.36	14902.272	20	2903.04	0	0	0

Sr. No.	Location	Location of Fixture	No. of lighting Fixture	Power (Watts)	Total Power consumed (Watts)	Annual Consumption in kW	2/3 of annual consumption	Amount Paid	Recommended wattage	Total consumption after recommendation	Annual wattage savings in kW	Annual savings in Rs.	Cost of LED bulbs
5	Admin. Block	(SF+FF) TH	48	40	1920	3317.76	2211.84	17031.168	18	995.328	1216.1	9367.142	13536
		(GF+FF)-Sc. Fixture Basement	240	40	9600	16588.8	11059.2	85155.84	18	4976.64	6082.56	46835.71	67680
			140	40	5600	9676.8	6451.2	49674.24	18	2903.04	3548.16	27320.83	39480
6	Guest House	Gallary	48	20	960	1658.88	1105.92	8515.584	20	1658.88	0	0	0
		Room's	23	20	460	794.88	529.92	4080.384	20	794.88	0	0	0
			115	40	4600	7948.8	5299.2	40802.84	18	2384.64	2914.56	22442.11	32430
			97	15	1380	2384.64	1589.76	12241.152	9	993.856	635.904	4896.461	10764
			92	7	644	1112.832	741.888	5712.3376	7	1112.832	0	0	0
		Hall	16	80	1280	2211.84	1474.56	11354.112	36	663.552	877.008	6247.762	11584
			26	20	520	898.56	599.04	4612.608	20	898.56	0	0	0
		Studio	22	40	880	1520.64	1013.76	7805.952	40	1520.64	0	0	0
			20	20	400	691.2	460.8	3548.16	20	691.2	0	0	0
			10	160	1600	2764.8	1843.2	14192.64	160	2764.8	0	0	0
			3	120	360	622.08	414.72	3193.344	120	622.08	0	0	0
			4	7	28	48.384	32.256	248.3712	7	48.384	0	0	0
7	Faculty Quarters	Type-3	60	20	1200	2073.6	1382.4	10644.48	20	2073.6	0	0	0
		Type-4	84	20	1680	2903.04	1935.36	14902.272	20	2903.04	0	0	0
		Type-2	96	20	1920	3317.76	2211.84	17031.168	20	3317.76	0	0	0

Sr. No.	Location	Location of Fixture	No. of Lighting Fixture	Power (Watts)	Total Power consumed (Watts)	Annual Consumption in kW	2/3 of annual consumption	Amount Paid	Recommended wattage	Total consumption after recommendation	Annual wattage savings in kW	Annual savings in Rs.	Cost of LED bulbs
8	Academic Block	Basement	20	40	800	1382.4	921.6	7096.32	18	414.72	506.88	3902.976	5640
			395	120	47400	81907.2	54604.8	420456.96	36	16381.44	38223.4	294319.9	29585
			12	9	108	186.624	124.416	958.0032	9	186.624	0	0	0
		Ground floor	89	40	3560	6151.68	4101.12	31578.624	18	1845.504	2305.62	17368.24	25098
			206	120	24720	42718.18	28477.44	219276.288	36	8543.232	19034.2	153493.4	13429 4
		First Floor	56	40	2240	3870.72	2580.48	19869.696	18	1161.216	1410.26	10928.33	15792
			216	120	25920	44788.76	29859.84	229920.768	36	8957.952	20901.9	180944.5	16178 4
			58	80	4640	8017.92	5345.28	41158.656	36	2406.378	2939.9	22637.26	43442
			3	20	60	103.68	69.12	532.224	20	103.68	0	0	0
		Second Floor	100	20	2000	3456	2304	17740.8	20	3456	0	0	0
		Third Floor	120	20	2400	4147.2	2764.8	21288.96	20	4147.2	0	0	0
		Forth Floor	110	20	2200	3801.6	2534.4	19514.88	20	3801.6	0	0	0
9	Library	Basement	75	20	1500	2592	1728	13305.6	20	2592	0	0	0
		GF+FF	32	40	1280	2211.84	1474.56	11354.112	18	663.552	811.008	6244.762	9024
		GF+FF	220	120	26400	45619.2	30412.8	234178.56	36	9123.84	21280	163926	16478 0

Sr. No.	Location	Location of Fixture	No. of Lighting Fixture	Power (Watts)	Total Power consumed (Watts)	Annual Consumption in kW	2/3 of annual consumption	Amount Paid	Recommended wattage	Total consumption after recommendation	Annual wattage savings in kW	Annual savings in Rs.	Cost of LED bulb
10	VC House	Tube Light	27	40	1080	1866.24	1244.16	9580.032	18	559.872	684.288	5269.018	7614
		Night Light	11	30	330	570.24	380.16	2927.232	7	88.704	292.456	2244.211	1078
11	Registrar house	Tube Light	15	40	600	1036.8	691.2	5322.24	18	311.04	380.16	2927.232	4230
		Night Light	3	30	90	155.52	103.68	798.336	7	24.192	79.488	612.0576	294
		LED Lamp	7	7	49	84.672	56.448	434.6496	7	84.672	0	0	0
13	GYM Khana	LED	64	36	2304	3981.312	2654.208	20437.4016	18	1327.104	1377.1	10218.7	18048
		Focus Light	6	40	240	414.72	276.48	2128.896	40	414.72	0	0	0
Total kW					224.029	387122.1	258081.4	1987226.8		127129.536	259993	1126505	1305909

Indoor lighting fixtures at KMCLU

2.1 Assumption

1. Cost of 18 watt bulb of Philips is Rs. 282/-. (Rates taken is mentioned below)
2. Cost of 9 watt bulb of Philips is Rs. 117/-. (Rates taken is mentioned below)
3. Cost of 35 watt bulb of luminous is Rs. 749/-. (Rates taken is mentioned below)
4. Cost of 7-watt bulb of Philips is Rs. 98/-. (Rates taken is mentioned below)
5. Light functionality for 8 hours daily for 24 days in a month. 6 days considered as holiday.

6. All lights will not be simultaneously lit, that's why only 2/3 lighting fixtures have considered in calculation.

2.2 Analysis

1. In indoor lightings there are total 4157 lights
2. Out of which 2854 bulbs have been replaced by LED bulbs.

2.3 Observation

1. Cost of different light have been mentioned below.
2. Policy should be drawn that in future the balance to be phased out with LED bulbs.

Source: www.amazon.in

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3.0 Outdoor lighting Fixtures

Sr. No.	Location	Location of Fixture	Product Type	No. of Lighting Fixture	Power (Watts)	Total Power consumed (Watts)	Annual consumption in kW	Amount paid	Recommended (watt)	Total annual consumption after recommendation	Saving in power consumption (watt)	Annual saving in Rs.	unit cost of LED Bulb
1	Out Door Lighting System	Garden Area, Street Lights corridors within university premises	Faculty quarters	20	36	720	3153.6	24287.7	18	1576.8	1576.8	12141.36	5640
2			street lights	94	90	8460	37054.8	285372	90	37054.8	0	0	0
3			Halogen lights	8	500	4000	17520	134904	100	3504	14016	107923.2	20296
Total kW						13.18	57728	444509		42136	15593	120065	25936

3.1 Assumption

1. Cost of 100 watt halogen light of w pro is Rs. 2537/- (Rates taken is mentioned above).
2. Light functionate for 12 hours daily for 30 days in a month.
3. Policy need to be drawn that replace 94 in future.

3.2 Analysis

1. Total outdoor fittings are 122.
2. Total numbers replaced 28.
3. There are all streets lights which are functioning on solar panels.

3.3 Observation

1. Cost of different light have been mentioned below.
2. Policy should be drawn that in future the balance to be phased out with LED bulbs.

4.0 Ceiling Fan, Exhaust Fan & Wall Fan

Sr. No.	Location	location of Fan	Type of Fan	Number of Fan	Power (Watts)	Total Power (Watts)	Annual consumption in kW	2/3 of annual consumption	Annual amount paid	Recommended wattage (26 wattagge)	Amount paid after recommendation	Annual savings in Rs.	unit cost of 26 watt BLDC fan
1	Girl's Hostel	Rooms	Ceiling	256	60	15360	17694.72	11796.48	90832.896	5111.808	39360.922	51471.974	949504
		Bathrooms	Exhaust	16	60	960	1105.92	737.28	5677.056	319.488	2460.0576	3216.9984	59344
2	Boy's Hostel	Rooms	Ceiling	260	60	15600	17971.2	11980.8	92252.16	5191.68	39975.936	52276.224	964340
		Bathrooms	Exhaust	16	60	960	1105.92	737.28	5677.056	319.488	2460.0576	3216.9984	59344
3	Rusa Building	Rooms	Ceiling	109	60	6540	7534.08	5022.72	38674.944	2176.512	16758.142	21915.802	404281
		Bathrooms	Exhaust	22	60	1320	1520.64	1013.76	7805.952	439.296	3382.5792	4423.3728	81598
4	Students facility center	Rooms	Ceiling	38	60	2280	2626.56	1751.04	13483.008	758.784	5842.6368	7640.3712	140947
		bathrooms	Exhaust	9	60	540	622.08	414.72	3193.344	179.712	1383.7824	1809.5616	33381
5	Admin. Bock	Basement +GF+FF	Ceiling	194	60	11640	13409.28	8939.52	68834.304	3873.792	29828.198	39006.106	719546
		Basement +GF+FF	Exhaust	36	60	2160	2488.32	1658.88	12773.376	718.848	5535.1296	7238.2464	133524

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Sr. No.	Location	Location of Fan	Type of Fan	Number of Fan	Power (Watts)	Total Power (Watts)	Annual consumption in kW	2/3 of annual consumption	Annual amount paid	Recommended wattage (26 wattagge)	Amount paid after recommendation	Annual savings in Rs.	unit cost of 26 watt BLDC fan
5	Guest House	Rooms (23 No.)	Ceiling	69	80	4140	4759.28	3179.52	24482.304	1377.792	10608.998	13873.306	255921
		Rooms (23 No.)	Exhaust	23	60	1380	1589.76	1059.84	8160.768	459.264	3536.3328	4624.4352	85307
		Corridor + Hall	Ceiling	17	60	1020	1175.04	783.36	6031.872	339.456	2613.8112	3418.0608	63053
		Corridor – Hall	Exhaust	3	60	180	207.36	138.24	1064.448	59.904	461.2608	603.1872	11127
		Studio (DMC)	Ceiling	1	60	60	69.12	46.08	354.816	19.968	153.7536	201.0624	3709
		Studio (DMC)	Exhaust	1	60	60	69.12	46.08	354.816	19.968	153.7536	201.0624	3709
7	Faculty Quarters	Type-3,Type-4, Type-2	Ceiling	216	60	12960	14929.92	9953.28	76640.256	4313.088	33210.778	43429.478	801144
		Type-3,Type-4, Type-2	Exhaust	72	60	4320	4976.64	3317.76	25546.752	1437.696	11070.259	14476.493	267048
8	Academic	Basement	Ceiling	152	60	9120	10506.24	7004.16	53932.032	3035.136	23370.547	30561.485	563768
			Exhaus	11	60	660	760.32	506.88	3902.97	219.648	1691.2896	2211.68	40799

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Sr. No.	Location	Location of Fan	Type of Fan	Number of Fan	Power (Watts)	Total Power (Watts)	Annual consumption in kW	2/3 of annual consumption	Annual amount paid	Recommended wattage (26 wattagge)	Amount paid after recommendation	Annual savings in Rs.	unit cost of 26 watt BLDC fan
	Block		t						6			64	
		Ground floor	Ceiling	178	60	10680	12303.36	8202.24	63157.248	3554.304	27368.141	35789.107	660202
			Exhaust	12	60	780	898.56	599.04	4612.608	259.584	1998.7968	2613.8112	48217
			Wall mounted	6	40	240	276.48	184.32	1419.264	119.808	922.5216	496.7474	22254
		First Floor	Ceiling	130	60	9600	11059.2	7372.8	56770.56	3194.88	24600.576	32169.984	593440
			Exhaust	17	60	1020	1175.04	783.36	6031.872	339.456	2613.8112	3418.0608	63053
		Second Floor	Ceiling	62	60	3720	4285.44	2856.96	21998.592	1238.016	9532.7232	12465.869	229958
			Exhaust	10	60	600	691.2	460.8	3548.16	199.68	1537.536	2010.624	37090
		Third Floor	Ceiling	65	60	3900	4492.8	2995.2	23063.04	1297.92	9993.984	13069.056	241085
			Exhaust	8	60	480	552.96	368.64	2838.528	159.744	1230.0288	1608.4992	29672
		Forth Floor	Ceiling	62	60	3720	4285.44	2856.96	21998.592	1238.016	9532.7232	12465.869	229958
			Exhaust	8	60	480	552.96	368.64	2838.528	159.744	1230.0288	1608.4992	29672

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Sr. No.	Location	Location of Fan	Type of Fan	Number of Fan	Power (Watts)	Total Power (Watts)	Annual consumption in kW	2/3 of annual consumption	Annual amount paid	Recommended wattage (26 wattage)	Amount paid after recommendation	Annual savings in Rs.	unit cost of 26 watt BLDC fan
9	Library	Basement	Exhaust	20	60	1200	1382.4	921.6	7096.32	399.36	3075.072	4021.248	74180
		Ground + First floor	Ceiling	170	60	10200	11750.4	7833.6	60318.72	3394.56	26138.112	34180.608	630530
		Ground + First floor	Exhaust	6	60	360	414.72	276.48	2128.896	119.808	922.5216	1206.3744	22254
10	GYM Khana	Rooms + Hall	Ceiling fans	27	60	1620	1866.24	1244.16	9580.032	539.136	4151.3472	5428.6848	100143
		Rooms + Hall	Wall fans	10	40	400	460.8	307.2	2365.44	199.68	1537.536	827.904	37090
11	VC House	Rooms	Ceiling	12	60	720	829.44	552.96	4257.792	239.616	1845.0432	2412.7488	44508
		Kitchen + Toilets	Exhaust	6	60	360	414.72	276.48	2128.896	119.808	922.5216	1206.3744	22254
		Hall / Rooms	Wall mounted	3	40	120	138.24	92.16	709.632	59.904	461.2608	248.3712	11127
12	Registrar House	Rooms	Ceiling	6	60	360	414.72	276.48	2128.896	119.808	922.5216	1206.3744	22254
		Kitchen + Toilets	Exhaust	3	60	180	207.36	138.24	1064.448	59.904	461.2608	603.1872	11127

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Sr. No.	Location	Location of Fan	Type of Fan	Number of Fan	Power (Watts)	Total Power (Watts)	Annual consumption in kW	2/3 of annual consumption	Annual amount paid	Recommended wattage (26 wattagge)	Amount paid after recommendation	Annual savings in Rs.	unit cost of 26 watt BLDC fan
Total							**163584**	**109056**	**839731.2**	**47384.06**	**364857.3**	**474873.9**	**8801457**

Fans at KMCLU

4.1 Assumption

1. Fans functionalize for 8 hours daily for 24 days a month. 6 days considered as holiday.
2. All types of fans will not be on simultaneously, that's why only 2/3 fans have considered in calculation.

4.2 Analysis

1. Total numbers of normal fans are 2373.
2. All the fans are of normal types which need to be replaced.

4.3 Observation

1. Cost of 1 havells BLDC fan is Rs. 3709. (Rates taken is mentioned below)
2. Policy to be drawn that in future any fans are to be purchased it should be BLDC fans

Home > Home & Kitch... > Home Applia... > Fans > HAVELLS Fans > HAVELLS EFF... Compare Share

HAVELLS EFFICIENCIA NEO 48" White Bldc Fan, Remote Control, 26 Watts 1200 mm 3 Blade Ceiling Fan (White, Pack of 1)

4.2★ 999 Ratings & 147 Reviews Assured

₹3,709 ~~₹5,095~~ 27% off

Hurry, Only a few left!

Source: www.flipkart.com

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5.0 Air Conditioners

Sr. No.	Location	No. of AC	Air Conditioning				Power Consumption in		Annual Consumption	2/3 of annual consumption
			Type	Star	Company	Ton	Watt	Total (kW)		
1	Library (GF+FF)	Through cooling Duct	Centralized AC Plant (water cool)			3 X400	1700	1200	403200	268800
2	Admin. Block	Through cooling Duct	Centralized AC Plant (water cool)							
3	Academic Block (Basement)	Through cooling Duct	Centralized AC Plant (water cool)							
	Academic Block (Basement)	6	Cassette Type			2	2	12		
	Academic Block (Ground Floor)	11	Cassette Type			2	2	22	12096	8064
	Academic Block (Ground Floor)	2	Split	3	LG	1.5	1.5	4.5		
	Academic Block (First Floor)	10	Split	3	LG	1.5	1.5	4.5		
4	Ruse Building	1	Split	3	LG	1.5	1.5	1.5	4536	3024
5	Guest House (Room)	23	Split	3	LG	1.5	1.5	34.5		

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Sr. No.	Location	No. of AC	Air Conditioning				Power Consumption in		Annual Consumption	2/3 of annual consumption
			Type	Star	Company	Ton	Watt	Total (kW)		
	Guest House (Hall)	8	Cassette Type			2	2	16	16178	10785
	Guest House (Studio)	8	Cassette Type			2	2	16		
5	Faculty Quarters (Type-3)	5	Split	3		1.5	1.5	7.5		
	Faculty Quarters (Type-4)	9	Split	3		1.5	1.5	13.5	13608	9072
7	VC House	8	Split	3		1.5	1.5	12		
8	Registrar House	3	Split	3		1.5	1.5	4.5		
Total kW								148.5	449568	299712

ACs at KMCLU

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5.1 Assumption

1. Daily running hours are 7 hours.
2. only 6 months AC functionate in a year.
3. ACs functionate for 7 hours daily for 24 days in a month. 6 days considered as holiday.
4. All types of ACs will not be operated simultaneously that's why only 2/3 ACs have considered in calculation.

6.0 Pumping System

Sr. No.	Location	Pump of Capacity (HP)	Type of Pump	Voltage (V)	Measured Power (KW)	Annual Consumption in kW
1	Guest House	10	Submersible pump	415 V, 3 Ph	7.35	21467
2	At field	7.5	Submersible pump	415 V, 3 Ph	5.52	16118.4
3	Library	1.5		230 V, 1 Ph	1.1	
4	Academic Block	1.5		230 V, 1 Ph	1.1	
5	Admin Block	1.5		230 V, 1 Ph	1.1	
6	VC House	1.5		230 V, 1 Ph	1.1	
7	Boys Hostels	1.5		230 V, 1 Ph	1.1	
8	Girls Hostels	1.5		230 V, 1 Ph	1.1	
Total Annual Consumption						37580.4

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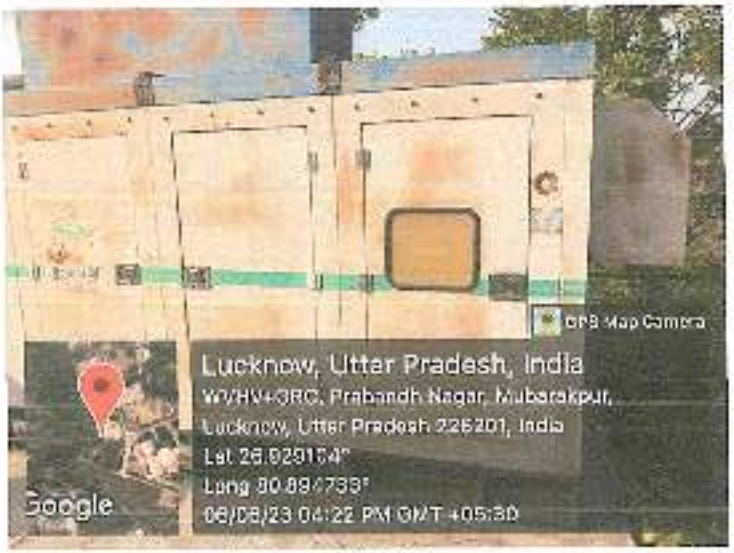
Pumping system and water supply system at KMCLU

6.1 Assumption

1. 10 HP and 7.5 HP water pump operate for 8 hours per day for 365 days.
2. 1.5 HP pumps used for alternate/ standby purpose.

7.0 DG Set

DG set	KVA	Phase	Total kVA	PF (0.8)	in kW
2	250	3	500	400	200000
1	125	3	125	100	12500
Total					212500



DG Set at KMCLU

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8.0 Other Appliances

Sr. No.	Location	Appliances	No. of Appliances	Wattage (kW)	Total consumption (kW)	Annual consumption in kW
1	Guest House	Geysers	23	2	46	13248
2	Faculty Quarters, VC House, Registrar House	Geysers	17	2	34	9792
		Refrigerators	15	0.5	7.5	65700
		Washing Machines	12	0.3	3.6	1036.8
		LED TVs	16	0.1	1.6	1843.2
3	Rosa Building, Student Facility Center, Academic Block, Admin. Block, Library, Studio	Computers (PCs)	189	0.1	18.9	25401.6
		Printers	20	0.675	13.5	18144
		Projectors	2	0.3	0.6	806.4
		Photocopier/ MFD	8	0.7	5.6	7526.4
Total						143498

8.1 Assumption

1. Geysers functionate for 4 hours daily for 3 months.
2. Refrigerator functionate for 24 hours daily for 12 months.
3. Washing machine functionate for 3 hours daily for 4 months.
4. TV functionate for 6 hours daily for 8 months.
5. Computers, printers, projectors & photocopier functionate for 7 hours daily for 8 months.

9.0 Details of Connected Load (kW) Till Audit

Sr. No.	Connected Load	Load in kW
1	Indoor lighting fixture	258081.41
2	Outdoor Lighting fixture	57728.4
3	Ceiling Fan, Exhaust Fan & Wall Fan	109056
4	Air conditioner	259712
5	Pumping System	37580.4
6	Geysers, Refrigerators, Washing Machines, LED TVs, Computers (PCs), Printers, Projectors, Photocopier/ MFD etc.	143498.4
Total kW per annum		9,05,656.6

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10.0 The Audit conducted on 05th & 06th June 2023 showed following changes

10.1 Analysis

Average daily & annually kW from 150 kW solar panel as mentioned in 150kW Solar System Information Facts & Figures & Solar Frequ Questions is as below:

Depending on where in Australia (or around the world) you are, a 150kW solar system will produce a different amount of energy each day. As an average amount, you can see here how much this system will produce in some of the major regions in Australia by switching between each tab.

	Brisbane, QLD	Sydney, NSW	Perth, WA	Melbourne, VIC	Adelaide, SA	Hobart, TAS	Canberra, ACT	Darwin, NT
Daily kWhs	630.00	585.00	660.00	540.00	630.00	525.00	645.00	660.00
Annual kWhs	229,950	213,525	240,900	197,100	229,950	191,625	235,425	240,900

1. According to Solar-Calculator (adanisolar.com) in India at Uttar Pradesh, we get 3.81 kWh of energy with 1kWp solar rooftop plant (considering 5.5 sunshine hours).
   Hence for 150 kW of roof panel we get 2,08,597.5 kWh of annual energy

Solar Rooftop Calculator

Average Global Horizontal Irradiation (GHI) in UTTAR PRADESH state is 1720 W / sq.m

1kWp solar rooftop plant will generate on an average over the year 3.81 kWh of electricity per day (considering 5.5 sunshine hours)

2. Still 697059.10 kW of energy will required to be paid annually.

10.2 Observation of Energy data

1. If 150 kW of solar energy is installed, then 2,08,597.5 kW energy will be generated.
2. This will reduce the energy bill to 697059.10 kW.
3. If considering no change in building energy installation (means same energy i.e. 905656.6 kW annual consumption then 501.25kW of additional Solar power plant will be required.
4. Total 651.25 kW of solar panel will be required for becoming net zero, considering no changes of BLDC fans, no changes in LED lights etc. with same load of energy.
5. Further 1 kW of energy will generate 0.94 Kgs of CO_2e emission to atmosphere in 1 hour.
6. By installation of 150 kW of Solar panel University will be able to reduce 204.43 MT of CO_2e.
7. If 651.25 kW of solar Panel is installed, then university will save 887.54 MT of CO_2e.

11.0 AREAS FOR IMPROVEMENT

Lighting System:

- All "conventional FTL (40 Watt) should be replaced by energy efficient LED Tube Light fixture (18 Watt). It's Appreciable.
- Installation of "Timer control on street lighting" in University Campus recommended for energy saving in the campus.

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Ceiling Fan and Exhaust Fan:

- Replacement of "conventional ceiling fan 60 Watt" by energy efficient star rated fan or BLDC based energy efficient fan (20 to 25 Watt) in "Admin Block, Academic Block, Rusa Building, Classrooms, faculties rooms, Auditorium Hall, Hostels, Guest House and Faculty Quarters" have great potential for energy saving.
- Replacement of "conventional exhaust fan 60Watt" by energy efficient star rated fan or BLDC based energy efficient Fan (20 to 40 Watt) in university buildings, classrooms, Faculty rooms, Rusa Building, Library Building, Hostels, Guest House and Faculty Quarters have great potential for energy saving.
- Expected energy saving and simply payback period is subject of load factor and annual operating hours.

Air Conditioning System:

- It is recommended "False Ceiling "in air conditioning area. Effective false ceiling will be reduced air conditioning load of AC and unit consumption.
- Reduced the infiltration from door and window in air conditioning area.

Energy Management Workshop and Training:

- Conduct awareness and training programs for faculty, students and non-teaching staffs.
- Conduct seminars, workshops and exhibitions on energy management education.
- Constitute a Green Monitoring Committee for Conducting awareness and training programs for faculty, student and non-teaching staffs.

Use of Renewable Energy Sources:

- Implement the proposal of installation of 150 kW Solar Power plant on roof top of the identified buildings of the University, at the earliest,
- Construct the Biogas plant(s) within the University Campus to reduce the consumption of LPG Cylinders in Mess (Hostels) and Residential Quarters.
- Explore the possibility of Installation a windmill to utilizing the Wing energy for generating Electricity within the University campus.

12.0 ENERGY MANAGEMENT INITIATIVE TAKEN BY KMC Language University

- Management has started replacing "conventional FTL (40 Watt) by energy efficient LED Tube Light fixture (20 Watt). It's Appreciable.
- Management has adapted procurement policy for BEE star rated Air conditioning in the faculties' rooms and other rooms. It's Appreciable.

13.0 Methodology

Methodology adopted for achieving the desired objectives viz. Assessment of the current operational

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status and energy savings include the following:

- Discussions with the concerned officials for identification of major areas of focus and other related systems.
- Audit Team visited the site and had discussions with the concerned officials to collected data / information on the operations and load distribution within the University premises.
- The data was analyzed to arrive at a base line energy consumption pattern.
- Measurements and monitoring with the help of appropriate instruments including continuous and / or time-lapse recording, as appropriate and visual observations were made to identify the energy usage pattern and losses in the system
- Trend analysis of costs and consumptions.
- Computation and in-depth analysis of the collected data, including utilization of computerized analysis and other techniques as appropriate were done to draw inferencesand to evolve suitable energy conservation plan for improvements/ reduction in specific energy consumption.

14.0 Analysis

1. There is lot of scope of improvement at KMC Language University in reduction of Energy.
2. A policy to be framed that in future whenever the bulbs, light & fan to be changed, it should be replaced with LED bulbs & lights & also with BLDC Fans.
3. If we only consider indoor/ outdoor lights (bulbs & tubes) & fans and as per our recommendation if accepted:

Sr. No.	Fixtures	Units saved per annum in kW	Amount saved per annum in Rs.
1	Indoor lightings	259992.6	2001942.835
2	Outdoor lightings	15592.8	120054.56
3	Fans	61671.94	474873.9072
Total		337257	2596881.3

15.0 Observation

1. Thus if our recommendation is accepted then the University will get annual saving of Rs. 25,96,881 annually with indoor, outdoor lighting & BLDC Fans only.
2. The policy laid down by KMCL University is in alignment with present Government laws.

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16.0 Recommendation

1. It is recommended that one clause in the policy be framed that in future whenever the bulbs are to be replaced, it should be replaced with LED bulbs & Lights only.
2. In the policy, further recommended that in future if normal fans are to replace, it shall be replaced with BLDC fans only.
3. All future purchases should be for LED bulbs, lights, BLDC fans & star-rated appliances.
4. If 150 kW Solar panel is installed, it will reduce the present annual energy consumption by 2,08,597.50 kW.
5. For becoming net Zero, 651.10 kW of Solar panel needs to be installed.

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Energy Conservation Policy

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ENERGY CONSERVATION POLICY 2022

I Preamble : The Energy Conservation Policy of Khwaja Moinuddin Chishti Language University is drawn for the management and conservation of energy all over the campus. This policy outlines the practices which have been incorporated and also outlines the plans to be implemented in the future as the University's infrastructure and community continues to grow. The Policy will act as a guideline and a Standard Operating Procedure to ensure energy conservation is accomplished by developing a progressive and proactive approach to sustainable, cost-effective and responsible energy consumption in the University.

Khwaja Moinuddin Chishti Language University energy consumption includes petrol and diesel consumption by the electric generators and vehicles apart from the consumption of electricity obtained from the utility. The bulk of the energy consumption comes from various equipments being employed in the ongoing University constructions, as the University is still in the developing stage. The energy consumption can be controlled by adopting strategic energy conservation practices in academic and administrative blocks, libraries, class rooms, faculty cabins, students and faculty residences

II Aims and Objectives:

The University is committed to modelling sustainability and practicing effective stewardship of institutional resources while providing excellent learning, teaching, and research environment. The aims and objectives of the policy will be as follows:

1. The purpose of this policy is to ensure that the university operates in a sustainable manner managing energy consumption by using energy efficiently, wisely, and responsibly. This policy contributes to meeting the University's commitments and goals with respect to energy costs as well as greenhouse gas emissions associated with energy use.
2. To align with the University's Greenhouse Gas reduction targets, it has set a goal to reduce energy consumption annually by at least 2%.
3. This policy supports and enhances the university's commitment to environmental sustainability and encourages change in individual behaviours, actions, and campus processes.
4. The policy supports the management of ongoing energy conservation and university's commitment to carbon compliance regulations .

III Scope of the Policy: This policy will be applicable to all the staff, students, faculty and visitors throughout the campus. University facilities will be operated in the most energy – efficient manner without endangering public health and safety and without diminishing the quality of education regardless of the source of funding for their operations.

IV Plan of Action:

Energy is essential to support all university operations. All members of the campus community will endeavour to use energy and water in the most efficient manner possible

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Energy use can be managed by all departments and units through awareness and adoption of the most efficient procedures and practices. The campus community shall make informed choices to minimize the institution's ecological footprint associated with energy with a goal of continuous improvement and reduced operating costs. It is our University's goal to reduce energy consumption on campus whenever possible through the support and everyday efforts of faculty, staff, students, and university visitors ("the campus community").

This shall be accomplished through the following energy conservation measures:

Individual actions: Close doors and windows; turn off lights, computers, printers, and fans when not in use.

Technical strategies: Pursue energy savings in equipment operations and maintenance, as well as in building renovation and new construction.

Education and outreach: Encourage energy conservation and environmental stewardship on campus and beyond.

V Best Practices to be Implemented: - Based on the goals set by the University for effective conservation of energy, the following strategies have been adopted by the University:

a. **Energy Saving Architectural Design of the Buildings:** In all its new building constructions, the University is to make sure that, right from the architectural design, buildings are making use of the natural air-cooling system in every possible way to allow free flow of cool air which percolates throughout the corridors and the rooms.

b. **Electricity Saving Practices:**

1.Turn lights out when you leave rooms unoccupied or in unoccupied rooms that you pass. Encourage others to do the same.

2.Turn off or unplug office equipment, laptop computers, monitors, and lab equipment, unless in use, especially at night and on weekends. Unplug equipment that is not used frequently.

3.Turn off fume hoods and bio safety cabinets when not in use to prevent the loss of conditioned air.

4.Choose computer and device power management settings and energy star qualified equipments, systems and appliances to minimize energy usage.

c. **Roof Top Solar Panels:** The University will make sure that reasonable Rooftop Solar Panels are installed on its buildings, which may reduce the energy cost incurred by the University by 16-20% at an average on a monthly basis.

d. **Thermostat Set Point:** The University will encourage those who use Air Conditioning system to maintain a set point of 23 degree Celsius at all times and also the centralization of AC may be controlled at different check points. It is also suggested that only required AC should be on at the office time.

e. **LED Lights:** The University will make every effort in using only LED lighting system in all its new installations in the campus. The existing lighting systems are to be replaced by LED lightings in a phased manner.

f. **Energy Audit:** The University will conduct energy audit every year to ensure that the energy consumption in the University remains as per the expected set level and that no energy is wasted unnecessarily. The areas of energy conservation and saving are to identified through the process of audit by following the recommendations.

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g. **Maintenance of Equipment:** The Administrative Officers will be responsible for timely maintenance services of electrical equipment installed in the University, with an objective of keeping their efficiency at maximum level.

VI. Conservation Behaviour: The University will encourage the University community in developing an energy conservation behaviour by organizing workshops, seminars, talks, competitions and awareness events on the effects of climate change, depletion of fossil fuels, and on the importance of having consciousness in energy conservation etc. at regular intervals.

VII Responsibilities: Members of the campus community, faculty, staff, students, researchers, and visitors, are responsible for identifying areas of inefficient energy usage and to actively work towards eliminating inefficiencies in energy and water use.

VIII. Expected Outcomes of the Energy Conservation Policy:

- The cost of energy consumed by the University will be reduced and maintained at a certain affordable level.
- It will reduce the greenhouse gas contribution of the University.
- It will extend the life of electrical equipment at the University.
- It will create a better and healthier environment for the University community to live in.
- Promote new research and teaching opportunities focused on energy management and sustainability
- Lastly, it will help in moulding the behaviour of the students towards environmental consciousness while making them aware of the importance of energy conservation.

IX. Policy Enforcement:

The University's Energy Conservation Policy will be enforced by the Internal Energy Audit Committee constituted by the Administrative Officers of University.

X Internal Energy Audit Committee-

The Committee shall monitor the effects of energy conservation efforts in the University and solicit and evaluate feedback from faculty, staff, and students. Training on new energy management concepts and programmes will also be organised by the committee from time to time. The committee will designate a Nodal Officer with the responsibility and the authority for carrying out Energy Conservation and Utilities Management Programmes. The Department with least energy consumption will be rewarded by the committee.

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XII. Recommendations for Future Construction and Renovation: Future construction and renovation will be designed for optimum energy utilization, lowest life-cycle operating costs, and in compliance with all applicable energy codes and regulations.

Submitted by:-

(Prof. Tanveer Khadija)

(Dr. Tanu Dang)

(Dr. Md. Tawaid Akhtar)

(Dr. Manju Shukla)

(Dr. Tiheem Sonkar)

18.0 References

1. Electricity bills provided by KMC Language University.
2. Policy framed by KMC Language University administration for Energy.

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Exemplar Global

Certificate of Training

TNV hereby certifies that

ASHUTOSH KUMAR SRIVASTAVA

has successfully completed the 40 hours

Auditor / Lead Auditor Training Course which meets the training requirements of the Exemplar Global and has been declared as competent in the following competency units

- EnMS: Energy Management System
- AU: Management Systems Auditing
- TL: Leading Management Systems Audit Teams

ISO 50001:2018

Issue Date: 12th Sep. 2022

Certificate Number : 2209123622030102

Authorised Signatory

Prajesh Singh

This course is certified by Exemplar Global vide sc

Note: The course conforms to the principles and pro
for compliance with standards. This certificate
certificate is recognized by Exemplar Glo
please write to Mail: info@

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TCB Training and Capacity Building

QUALITY COUNCIL OF INDIA
QCI Creating a Ratchet for Quality

CERTIFICATE OF AWARENESS

This certificate is awarded to

ASHUTOSH KUMAR SRIVASTAVA

for participating in the eLearning capsule course on

An Overview of ISO/IEC 17020:2012 for Inspection Bodies

organized by

Training and Capacity Building (TCB) Cell, Quality Council of India

on

04 June 2022

Alok Jain
Director & Head, TCB

Cert No: TCB/QCI/0406220606-000

QUEST (An eLearning Platform of TCB)

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TCB Training and Capacity Building

QUALITY COUNCIL OF INDIA
QCI

CERTIFICATE OF PARTICIPATION

This certificate is awarded to

ASHUTOSH KUMAR SRIVASTAVA

for participating in the Virtual Training on

Requirements of ISO/IEC 17020:2012 for Inspection Bodies

organized by

Training and Capacity Building (TCB) Cell, Quality Council of India

on

28-29 December 2022

Alok Jain
Director & Head, TCB

Cert No. TCB/QCI/29122205-078

QUEST (An eLearning Platform of TCB)

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Exemplar Global

Certificate of Training

TNV hereby certifies that

ASHUTOSH KUMAR SRIVASTAVA

has successfully completed the 5 days

Auditor / Lead Auditor Training Course which meets the training requirements of the

Exemplar Global and has been declared as competent in the following competency units

- QM: Quality Management System
- AU: Management Systems Auditing
- TL: Leading Management Systems Audit Teams

ISO 9001:2015

Issue Date: 28th Jul. 2021

Training Date: 14th to 26th Jul. 2021

Certificate Number : 21280221020102

Authorised Signatory

(Pragyan Singh)

This course is certified by Exemplar Global vide re... (No...

Note: The course conforms to the principles and practices for compliance with standards. The certificate is recognized by Exemplar Global. Please write to Mail...

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IndianGreen Building Council
Sub. Confederation of Indian Industry
CII – Sohrabji Godrej Green Business Centre
Survey No 64, Kothaguda Post, Near HITEC City
R R District, Hyderabad – 500084
Tel: 91-40-44185111 Fax: 91-40-44185199
Email: igbc@cii.in
Website: www.greenbusinesscentre.com
www.igbc.in

V Suresh
Chairman

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr Ashutosh Kumar Srivastava is one of the Individual Members of Indian Green

Building Council (IGBC) for the Year Jan 2020 to Dec 2024.

Mr Ashutosh Kumar Srivastava membership number is "IGBC - IM - 10500131"

V Suresh

Bmisha

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LUCKNOW

Confederation of Indian Industry
125 Years: 1895-2020

This is to certify that

ASHUTOSH KUMAR SRIVASTAVA

is a

CII Certified Expert in
Climate Change &
Environmental Sustainability

K S Venkatagiri

Pradeep Bhargava
Chairman

Hussain Shahyari
Chairman

IGBC

e-learning

Issued by CII-Sohrabji Godrej Green Business Centre

Issued on 19 June 2020

CII/IGBC/EXAM/2020/0554

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REGISTRAR
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IGBC

CII
Confederation of Indian Industry

The Indian Green Building Council

hereby certifies that

Ashutosh Kumar Srivastava

has successfully demonstrated knowledge on the Green Building Design & Construction, Building Standards & Codes, IGBC Resources & Processes and Green Design Strategies & their impacts required to be awarded the title of

IGBC Accredited Professional

K S Venkatagiri
Executive Director
CII Sohrabji Godrej

V Suresh
Chairman
Indian Green Building Council

Gurmit Singh
Vice Chairman
CII Green Business Centre

2562

08 June 2020

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LANGUAGE UNIVERSITY,
LUCKNOW

Certificate of Registration

This is to certify that Occupational Health & Safety Management System of

GC Consultancy Services

Flat No. 614, Vasant Enclave, Rajender Nagar, Gorakhnath,
Gorakhpur-273015 India

is in accordance with the requirements of the following standard

ISO 45001:2018

(Occupational Health & Safety Management System)

SCOPE

Conducting Environmental audits in coordination with CII Green Co Certifications which includes Energy, Renewable Energy, Water Conservation, Waste Water Management, Life Cycle Assessment

Certificate Number : SCK/OSHCC/22/911/1847

Initial Registration Date : 20-Jul-2022
1st Surveillance Date : 20-Jun-2023
2nd Surveillance Date : 20-Jun-2024
Certificate Expiry Date : 19-Jul-2025

To verify certificate, visit at :
www.sckcerts.com
www.iafcertsearch.org

Issued by SCK Certifications Pvt. Ltd.

Director

Accreditation Board : 3060, Saturn Street, Suite 100, Brea, California 92821-4732, USA

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REGISTRAR
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LANGUAGE UNIVERSITY,
LUCKNOW

Certificate of Registration

This is to certify that Environmental Management System of

GC Consultancy Services

Flat No. 614, Vasant Enclave, Rajender Nagar, Gorakhnath,
Gorakhpur-273015 India

is in accordance with the requirements of the following standard

ISO 14001:2015

(Environmental Management System)

SCOPE

Conducting Environmental audits in coordination with CI Green Co Certifications which includes Energy, Renewable Energy, Water Conservation, Waste Water Management, Life Cycle Assessment

Certificate Number : SCK/IND/GCC/22/91/1846

Initial Registration Date : 26-Jul-2022
1st Surveillance Date : 26-Jun-2023
2nd Surveillance Date : 20-Jun-2024
Certificate Expiry Date : 19-Jul-2025

To verify certificate, visit at :
www.sckcerts.com
www.iafcertsearch.org

Issued by SCK Certifications Pvt. Ltd.

Director

IAS Accredited ISO/IEC 17021-1

IAF

ISO 14001

Accreditation Board : 3060, Saturn Street, Suite 160, Brea, California 92821-4732, USA

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Certificate of Registration

This is to certify that Quality Management System of

GC Consultancy Services

Flat No. 614, Vasant Enclave, Rajender Nagar, Gorakhnath,
Gorakhpur-273015 India

is in accordance with the requirements of the following standard

ISO 9001:2015
(Quality Management System)

SCOPE

Conducting Environmental audits in coordination with CII Green Co Certifications which includes Energy, Renewable Energy, Water Conservation, Waste Water Management, Life Cycle Assessment

Certificate Number : SCK/IN/GCC22/91/N845

Initial Registration Date : 20-Jul-2022
1st Surveillance Date : 20-Jun-2023
2nd Surveillance Date : 20-Jun-2024
Certificate Expiry Date : 19-Jul-2025

To verify certificate visit at :
www.sckcerts.com
www.iafcertsearch.org

Issued by SCK Certifications Pvt. Ltd.

Director

Accreditation Board : 3060 Saturn Street, Suite 100, Brea, California 92821-7532, USA

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राष्ट्रीय लघु उद्योग निगम लिमिटेड
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)

Sr. No. KA/2022/0350413

Branch Office : NSIC Limited, 112/1, IInd Floor, Benajhabar Road, Kanpur-208 002
Ph : 0512-2535049 Fax : 0512-2543217
Email : bokan@nsic.co.in Website : www.nsic.co.in

STORE DETAILS CERTIFICATE

Amendment Certificate Certificate (Valid From 18/10/2022 to 17/10/2023)

ANNEXURE TO GOVERNMENT PURCHASES ENLISTMENT CERTIFICATE

NO NSIC/GP/KAN/2022/0350413 D.T 05/12/2022

ISSUED TO M/s. G C Consultancy Services, UTTAR PRADESH

Flat No 614, Vasant Enclave, Ravinder Nagar, Lachchipur,, GORAKHPUR, UTTAR PRADESH-273015

Sno	Name of Service/ Activities	Definition of Activity/ Service(s)	Quantitative Capacity/Services PMPS
1	ENVIRONMENTAL CONSULTANCY	RENEWABLE ENERGY ENERGY WATER CONSERVATION WATER WASTE MANAGEMENT LIFE CYCLE ASSESSMENT	Rs.5 LAKH

CHECKED BY

S.N. YADAV

Ms. G C Consultancy Services

Authorised Signatory

"Authenticity of the certificate can be checked through the web portal: www.nsicspronline.com"

CIN : U74140DL1955GOI002481

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intertek
Total Quality. Assured.

CERTIFICATE OF ACHIEVEMENT

L S CHAUHAN

has successfully completed the following CQI-IRCA certified course:

ISO 9001:2015 Lead Auditor
Quality Management Systems
Training course

- The Course includes the assessment and evaluation of Quality Management Systems to conform to the requirements of ISO 9001:2015 and ISO 19011:2011
- The course meets the training requirements for individuals seeking certification under the IRCA Auditor Certification Scheme

UNIQUE DELEGATE NUMBER:
[illegible]

TRAINING DATE:
6th – 10th August 2018

COURSE ID:
18886

Organised by:
National Institute of Training for Standardization
BUREAU OF INDIAN STANDARDS

Head, NITS (BIS)

Authorised Signature

CQI IRCA

For IRCA Membership Application To be Made Within 3 Years From Last Day of Course

[illegible]

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राष्ट्रीय लघु उद्योग निगम लिमिटेड
THE NATIONAL SMALL INDUSTRIES CORPORATION LIMITED
(A Government of India Enterprise)

S.No. KAN/2022/0123081

Branch Office : NSIC Limited, 112/1, 2nd Floor, Benajhabar Road, Kanpur-208 002
Ph : 0512-2535049 Fax : 0512-2543217
Email : boksn@nsic.co.in Website : www.nsic.co.in

GOVERNMENT PURCHASE ENLISTMENT CERTIFICATE

Amendment Certificate Certificate [Valid From 19/10/2022 to 17/10/2022)

Ref No NSIC/GP/KAN/2022/03573 Date: 03/10/2022

M/s. G C Consultancy Services
FLAT No: 614, VASANT ENCLAVE, RAJENDRA NAGAR,
GORAKHPUR,
UTTAR PRADESH- 273015

Factory Address:
1 Plot No. 614, Vasant Enclave, Rajendar Nagar, Lacchipur,
GORAKHPUR, UTTAR PRADESH- 273015

Name of the Proprietor
ASHUTOSH KUMAR SRIVASTAVA
Constitution : Proprietorship
Udyam Registration Number UDYAM-UP-32-0023391
Enterprise Social Class : GENERAL
Special Category: GENERAL

GOVERNMENT PURCHASE REGISTRATION NO: NSIC/GP/KAN/2022/0060471

Monetary Limit: ₹ 5 lakhs (₹ Five Lakh Only)

MSEs registered with NSIC are exempted from deposit of Earnest Money irrespective of value of Monetary Limit.
Your name has been registered as a MSE Unit eligible for participation in the Central Government Store Purchase Programme as per the Single Point Registration Scheme for the following Item(s)/Store(s)/Service(s)

Name of the Store(s)/ Service(s)	Specification(s)	Qualitative Capacity	Quantitative Capacity P.M.P.S.
"As per List Attached" (1 item only)			

Disclaimer:-1.The purchasing agencies are advised to satisfy themselves with the store details in the certificate while doing the Technical Evaluation stage before placing the tender/order on the units certified by NSIC.
2. This certificate will be valid subject to compliance of definition (Composite criteria of investment and turnover for classification of Micro, Small Enterprises as per MSMED Act)

Govt. Purchase Division

Authorised Signatory

M/s. G C Consultancy Services

"Authenticity of the certificate can be checked through the web portal: www.nsicgponline.com"

CIN : U73100DL1955GOI002481

Conditions overleaf

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LUCKNOW

NABL

NATIONAL ACCREDITATION BOARD FOR TESTING & CALIBRATION LABORATORIES, GURGAON

This is to certify that

Lokendra Singh Chauhan

has successfully completed

LABORATORY ASSESSORS COURSE AS PER ISO/IEC 17025:2005

Organised by

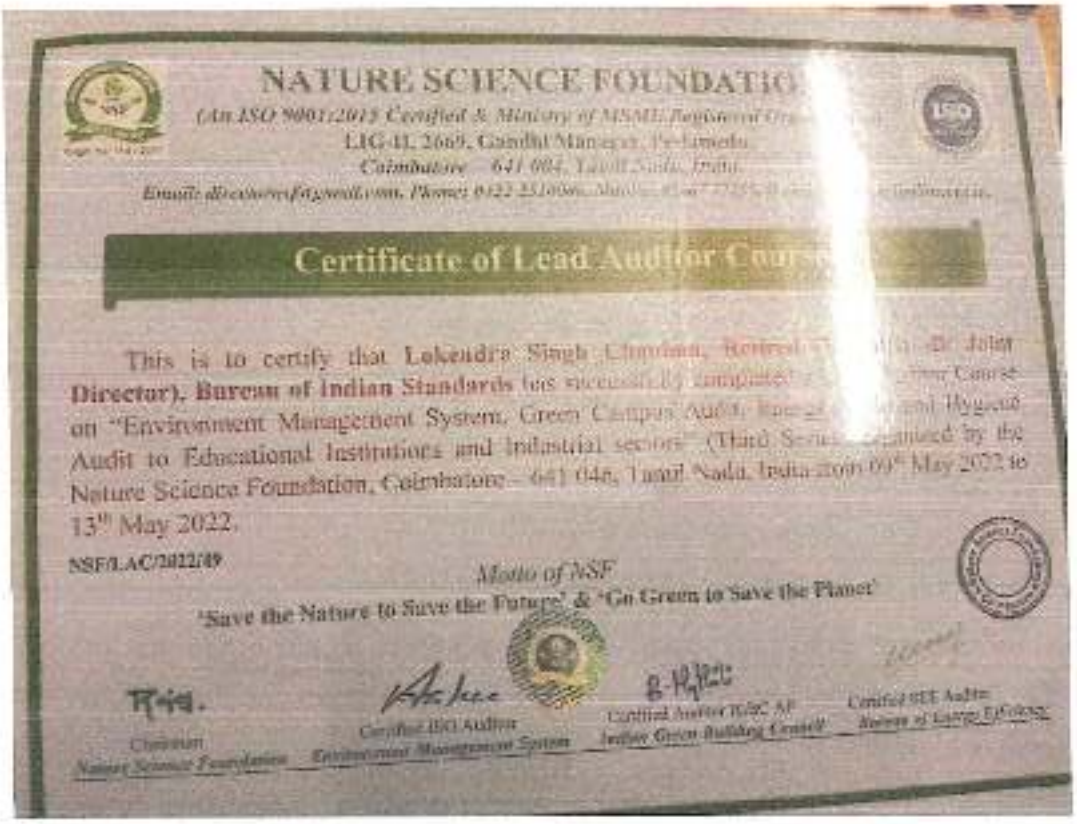
National Accreditation Board for Testing & Calibration Laboratories, Gurgaon

during the period 31st May to 04th June, 2016

at CIPET, Chennai

Anil Relia
Director

Prof. S. K. Joshi
Chairman



NATURE SCIENCE FOUNDATIO

(An ISO 9001:2015 Certified & Ministry of MSME Registered Org

LIG-II, 2669, Gandhi Managar, Peelamedu

Coimbatore - 641 004, Tamil Nadu, India

Certificate of Lead Auditor Cours

This is to certify that Lokendra Singh Chauhan, Retired [illegible] Dr. Joint Director), Bureau of Indian Standards has successfully completed [illegible] Course on "Environment Management System, Green Campus Audit, Energy [illegible] and Hygiene Audit to Educational Institutions and Industrial sectors" (Hard Sector) conducted by the Nature Science Foundation, Coimbatore - 641 046, Tamil Nadu, India from 09th May 2022 to 13th May 2022.

NSF/LAC/2022/89

Motto of NSF

'Save the Nature to Save the Future' & 'Go Green to Save the Planet'

Chairman
Nature Science Foundation

Certified ISO Auditor
Environment Management System

Certified Auditor IGBC AP
Indian Green Building Council

Certified EEE Auditor
Bureau of Energy Efficiency

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LUCKNOW

Government of India
Ministry of Micro, Small and Medium Enterprises

UDYAM REGISTRATION CERTIFICATE

UDYAM REGISTRATION NUMBER	UDYAM-UP-31-0023384
NAME OF ENTERPRISE	G C CONSULTANCY SERVICES
TYPE OF ENTERPRISE *	MICRO (Based on FY 2020-21)
MAJOR ACTIVITY	SERVICES
SOCIAL CATEGORY OF ENTREPRENEUR	GENERAL

NAME OF UNIT(S)

S.No.	Name of Unit(s)
1	G C Consultancy Services

OFFICAL ADDRESS OF ENTERPRISE

Flat/Door/Block No.	414	Name of Premises/ Building	Vasant Enclave
Village/Town	GORAKHPUR	Block	GORAKHPUR
Road/Street/Lane	Rajender Nagar	City	GORAKHPUR
State	UTTAR PRADESH	District	GORAKHPUR, Pin 273015
Mobile	7007794292	Email	gcsuttt@gmail.com

DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE: 26/02/2022

DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS: 26/02/2022

NATIONAL INDUSTRY CLASSIFICATION CODE(S)

SNo.	NIC 2 Digit	NIC 4 Digit	NIC 5 Digit	Activity
1	63 - Information service activities	6399 - Other information service activities n.e.c.	63999 - Other information service activities n.e.c.	Services

DATE OF UDYAM REGISTRATION: 02/11/2021

* In case of graduation (upgradation) of status of an enterprise, the benefit of the Government Schemes will be availed as per the provisions of Notification No. S.O. 2119(E) dated 26.06.2020 issued by the Ministry.

Disclaimer: This is computer generated statement, no signature required. Printed from https://udyamregistration.gov.in & Date of printing: 06/11/2022

For any assistance, you may contact:

1. District Industries Centre. GORAKHPUR (UTTAR PRADESH)
2. MSME-DFO: KANPUR (UTTAR PRADESH)

Visit : www.msme.gov.in ; www.dcmsme.gov.in ; www.ch...

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https://udyamregistration.gov.in/Udyam_UserUdyam_PrintApplication.aspx 1/1

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