

CIL Ref. No.:	CIL/20232341
Name of organization:	KANPUR INSTITUTE OF TECHNOLOGY AND PHARMACY (A UNIT OF INDUS TECHNICAL EDUCATION SOCIETY)
Address of premises:	A-1, UDSIDC, INDUSTRIAL AREA, ROOMA, KANPUR, 208001
Name of Inspector:	Mr. Ashutosh Tiwari
Date of Inspection:	08/08/2023
Type of Inspection:	Green Audit

Organization Details		
	8093.89 sq.mtr	
Total Campus Area		
	6389.0 Sq mtr	
Total Built-up Area		
	2340 Sq. mtr	
Covered Parking		
	625.0 Sq.mtr	
Total Air-Conditioned Area		
Non-Airconditioned Area	5764.0 Sq. mtr	
Cross Floor Area	NA	
Forest / Planted Area	1704 Sq mtr	
Age of the building	14 years	



DETAILS OF INFRASTRUCTURE

Classrooms	05
Laboratory	12
Library	01
Seminar hall and auditorium	02
Sports room	01
Gymnasium	01
Staff and student parking area	2340 Sq.mt
Canteen	01
Playground	07
Green Area / Plantation	1704 Sq. mtr

LIST OF BUILDINGS

Name of Building	Number of Floors	Area (m2)
Pharmacy Block	04 (G+ 3)	6389.0 Sq. mtr

DEPARTMENTS

|--|

DETAILS OF STUDENTS AND STAFF

Total Number of Students	433 (Male- 294, Female- 139)
Teaching Staff	36
Technical Staff	08
Non-Technical Staff	10
Outsourced Staff	NA

GREEN AUDIT PARTICIPANTS





Name	Designation
Dr. Prashant Kumar Katiyar	Director
Mr. Hari Krishana Yadav	Assistant Professor
Dr. Nidhi Tyagi	H.O.D, Associate professor

LEGAL COMPLIANCES

Description	Registration Details
Consent to operate (CTO) from SPCB	Not available
Fire NOC	UPFS/2023/84633/KPN/KANPUR NAGAR/ 2198/
	CFO
Water Boring permission	Not available
DG Set Permission	Not available

About Organization

Since its inception in 2009, Kanpur Institute of Technology & Pharmacy (KITP) has been successfully shouldering the monumental responsibility of producing capable health care professional and highly skilled with positive mind-set person. Run by a team of visionary and motivated IIT alumni, KITP is counted among the top-rated Pharmacy institutes of North India. Kanpur Institute of Technology & Pharmacy runs B. Pharma, M. Pharma and Diploma courses. The institute is affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow (formerly U.P.T.U., Lucknow) with College Code 550. The courses are approved by The Pharmacy Council of India (PCI) And affiliated to AKTU (550) & BTE (3380), Lucknow. The institute is very easily accessible; it is located in Rooma, on Kanpur – Allahabad Highway, 6 Kilometres away from Ramadevi round over.

Kanpur Institute of Technology & Pharmacy proudly boasts of a sprawling and lush green campus with elegant buildings and state-of-the-art infrastructure, it has qualified, experienced and dedicated faculty for various courses, always ready to help the students in understanding the concepts related their area of study. KITP has a highly impressive





placement track record, with students getting placed in various MNCs at good annual packages.

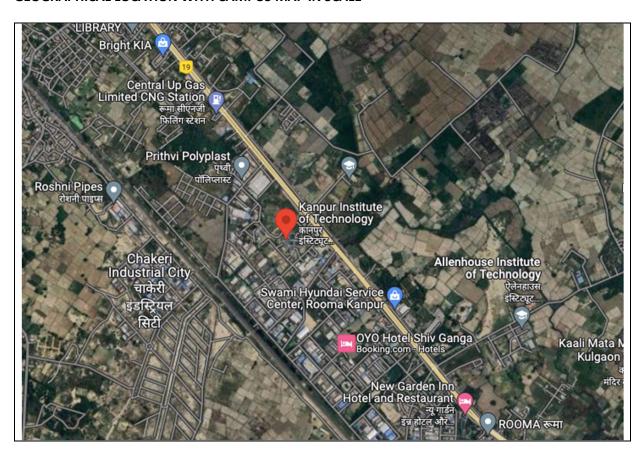
The institute fulfils its promise of academic excellence. Every year, Kanpur Institute of Technology& Pharmacy produces university rank holders in various streams. The students are given exposure to various skills development programs during the course of their study at KITP. This helps them to gain an edge over others and prove themselves better for placement opportunities. The institute leaves no stone unturned to provide the best and conducive study environment to the students. Laboratories studded with modern equipment, computer centres, fully Wi-Fi campus, video lecture rooms, projector-based, air-conditioned classes, air-conditioned seminar halls are just a glimpse of the facilities that the students get at KITP, add to it the personal attention showered by the teachers to explain the intricate concepts to the students in the most lucid way.

Last but not the least; the institute shall continuously strive for maintaining excellence in higher technical and professional education, through a student centric approach, aiming to bring out the best in them and transforming the students into industry ready professionals.





GEOGRAPHICAL LOCATION WITH CAMPUS MAP IN SCALE



LAND USE DATA

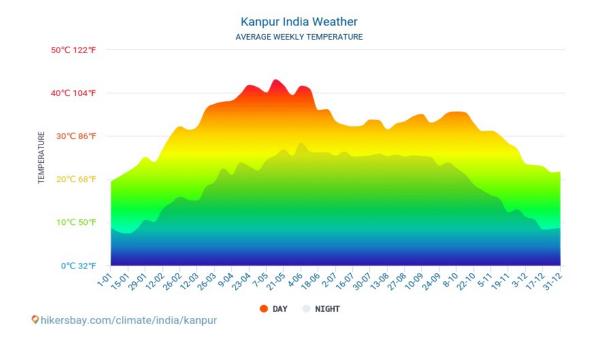
Categories of Land Use	Area (M2)
PLANTATION AREA	1704 Sq mtr
BUILT UP AREA (INCLUDE ROADS)	6389.0 Sq. mtr
TOTAL AREA	8093.89 Sq mtr.





CLIMATIC PARAMETERS

- 1. Climate: Kanpur has a monsoon-influenced humid subtropical climate (Cwa) bordering on a hot semi-arid climate (BSh) under the Köppen climate classification.
- 2. Rainfall: Kanpur typically receives about 65.53 millimeters (2.58 inches) of precipitation and has 70.72 rainy days (19.38% of the time) annually.
- 3. Temperature: The district's yearly temperature is 30.94°C (87.69°F) and it is 4.97% higher than India's averages.







BIO-DIVERSITY

Physical Count of Flora in Campus

S. No.	Particulars	Units
1	Trees	30
2	Plants	50
3	Gardens	45

List of Tree/Shrubs/Herbs species found in the campus

S. No.	Botanical Name	Common Name	Units		
Trees					
1.	Alstonia scholaris	Chittwan	10		
2.	Annona Squamosa	Sharifa	2		
3.	Areca catechu	Supari palm	35		
4.	Azadirachta indica	Neem	40		
5.	Bougainvillea glabra	KAGAJ KE FOOL	35		
6.	Calliandra haematocephala	Kulendr	15		
7.	Callistemon	Cheel	2		
8.	Canna Americanallis	Kaner varigater	6		
9	Carissa carandas	Kuranda	1		
10	Cascabela thevetia	KANER	295		
11	Cascabela thevetia	Kaner desi	300		
12	Cassia fistula Linn	Amiltaas	30		



13	Catharanthus Tricophyllus	SADABAHAR	110
14	Delonix regia	Godmohar	25
15	Euphorbia tithymaloides	Naagdon	1000
16	Ficus benghalensis	Banyan	1
17	Ficus benjamina	Ficus	1000
18	Hibiscus rosa-sinensis 'Double Red'	Gudhal double	1100
19	Ixora coccinea	Ixora double	40
20	Jacaranda mimosifolia	Neeli gulmohar	400
21	Jasminum sambac	Bela	5
22	Jatropha integerrima	JAGRUPA	15
23	Lagerstroemia Indica	Saoni	100
24	Livistona chinensis	China palm	38
25	Mangifera indica	Aam	7
26	Maranta leuconeura	Malanta	20
27	Mimosa pudica	CHUI MUI	2
28	Moras Alba	Shahtoot	4
29	Murraya paniculate	Manokamini	400
30	Neolamarckia cadamba	Kadam burflower	15
31	Phyllanthus emblica	Awala	2
32	PLUMERIA	GULACHIN	6





33	Psidium guajava	Amrud	28	
34	Punica granatum	Anaar	4	
35	Saraca asoca	Ashok	490	
36	Syzygium cumini	n cumini Jamun		
37	Tabernaemontana	Double chandini	30	
38	Tamarindus indica	Imli	1	
39	Tecoma stans	CHAURI CHAURA	20	
40	Tropical Hibiscus	DESI GUDHAL PINK	25	
41	Zanthoxylum clava-herculis	Arkulas	10	
	Shrub)		
1	Lawsonia inermis	Morpankh	4	
2	Lawsonia inermis	Mehndi	3	
3	Nyctanthes arbor-tristis	Harshringar	4	
4	Ocimum basilicum	Basil	8	
5	Withania somnifera	Ashwgandha	2	
	Grass	es/Herbs	'	
1	Acalypha	Eklifa	8	
2	Aloe barbadensis miller	Aleovera	12	
3	Araucaria Araucana	Erokeria	7	
4	Bassia scoparia	Kochiya	500	
15	Beaucarnea recurvata	Lalina	7	



6	Cineraria deltoidei	Shaineria	8
7	Codiaeum Variegatum	Karotan	8
8	Cosmos bipinnatus	Kasmus	100
9	Datura stramonium	Dhtura	2
10	Dracaena marginata	Kloroma	7
11	Ficus benjamina	Star light	8
12	Ficus variegate	Ficus verigator	8
13	Gaillardia pulchella	Naurang	1000
14	Kalanchoe pinnata	Ajubi	48
15	Portulaca grandiflora	Naubijiya	10
16	Portulaca Pilosa	Fotoilaka	12
17	Schefflera arboricola	Saflora	8
18	Zinnia elegans	Giniya	40
	1	I	l .



Images of Green Cover of the University Campus













LEGEAL REQUIREMENTS

Description	Registration Details	
Consent to operate (CTO) from SPCB	Not available	
Fire NOC	UPFS 2023 84633 KPN KANPUR	
	NAGAR 2198 CFO	
Water Boring permission	Not available	
DG Set Permission	Not available	

GENERAL

General Requirements: Environmental Policies / Environmental Objectives, etc		
Is there an environmental policy? Is it publicly communicated?	Yes, there is a defined environmental policy developed by the institute. Kanpur institute of technology and pharmacy, Kanpur college creates awareness among students, and staff regarding the efficient utilization of available resources, and environment-conscious programs surrounding people also many seminars, workshops awareness programs are being conducted for the same. Reference doc/pic no: A1	
Is there a defined waste management policy in the organization?	Yes, there are defined/written waste management policies. Reference doc/pic no.: - A2	
Are there any quantifiable environmental objectives decided by the organization?	There are no defined quantifiable environmental objectives decided by the organization.	
Is the organization aware of all environmental Laws pertaining to different aspects of the organization's activities? Mention laws & compliance status.	There is no evident document/record that ensures that the organization is aware of all environmental laws pertaining to different aspects of the organization's activities.	
Does the organization have any Recognition/certification for the environment friendliness? Provide details.	No, the organization does not have any recognition/certification for environmental friendliness.	



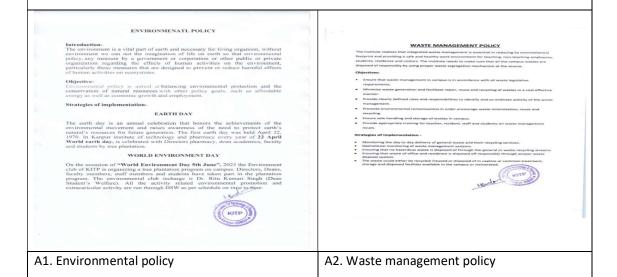
Has the organization established any committee to decide, implement & monitor environmental initiatives?

Yes, the organization has established "Environmental-CLUB" for environmental initiatives. The club typically engages in a variety of activities, such as organizing clean-up drives, clean- E- drive, planting trees, creating compost, and advocating for eco-friendly practices in the community. The club also conducts awareness campaigns, workshops, and seminars to educate people about environmental issues, such as climate change, pollution, and deforestation. Reference doc/pic no: A3, A5

Has the institution ever received any notice/warning from the pollution control board or any other concerned environmental authorities? If yes, then what corrective & preventive measures have been taken?

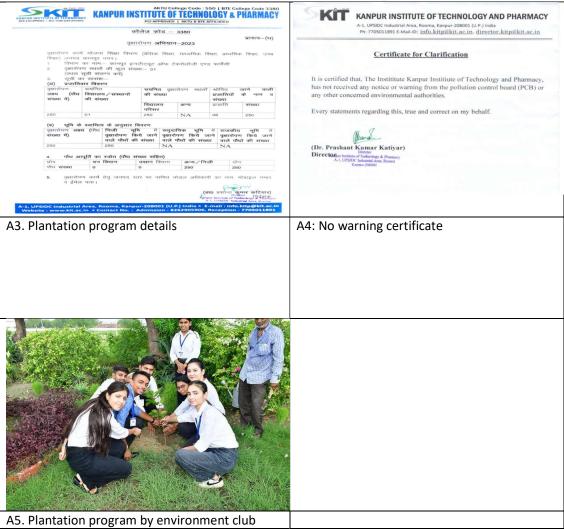
No, the institution has never received any notice or warning from the pollution control board or any other concerned environmental authorities as per declaration from the college authorities. Reference doc/pic no: A4

Related images / documents









Observations:

- 1. There are no quantifiable environmental objectives decided by the institute.
- 2. The organization does not have any certification for environmental friendliness.
- 3. The organization does not aware of any environmental Laws pertaining to different aspects of the organization's activities.

POLLUTION





Air Pollution Management	-	
(objective, practices / methods to minimize air pollution)		
Identify the major sources of air pollution within the organization & the actions taken to either eliminate or minimize the pollution.	Vehicles and air conditioning are significant sources of air pollution. Consequently, the initiative to establish a vehicle-free zone on campus and incorporate landscaping with plants, along with the implementation of a green campus policy, has been undertaken. Reference doc/pic no: B3	
HVAC maintenance and calibration records, testing and balancing reports. When was the duct system tested for leakage last?	HVAC maintenance and calibration records, testing and balancing reports are not being maintained.	
DG set stack emission test as per CPCB norms.	The institute has a DG set as a power backup that is used whenever there is a power cut-off due to load shading or maintenance of electricity on the college campus. DG set air pollution level and noise pollution level conducted by CDG Inspection LTD. at the time of the Audit. The following are the outcomes of the check conducted: DG set air pollution level: PM2.5- 15 µg/m³ Noise pollution level: 106.4 dBA Reference doc/pic no: B1, B2	

Related documents / images





B1. Air pollution level

B2. DG set noise level





Observations:

- It is recommended that the institute conduct DG set stack emission test in accordance with CPCB.
- The organization needs to maintain a HVAC maintenance plan and it should also maintain the Periodic record of the same.

In-Door Air Quality (Checks, methods, tests & practices to ensure indoor air quality)			
Does the organization test indoor air quality? Details of last indoor air quality test done.	There were no records to verify that the college conducted the test to check indoor air quality test. An indoor air quality check of the campus was conducted by CDG Inspection Ltd. At the time of the audit. Indoor air quality level: 1.5 m/sec PM2.5: 18 µg/m³ Reference doc/pic no: C1,C3		
Is there a proper system of exhaust of indoor air?	Every classroom, staff room, corridor, etc. comprises windows for proper ventilation. The staff room, library, and IT lab on campus all have ventilation systems. The indoor airflow was checked at the time of the audit and the outcome was m/s Reference doc/pic no: C3		
Supplies:			
 Are 'Material Safety Data Sheets (MSDS)' available for different types of supplies (Ex: solvent, wax, adhesives, paints, flammables etc.)? Are storage areas separate & ventilated properly? 	 Yes, MSDS reports are available. Reference doc/pic no: C4 Yes, the storage areas separate & ventilated properly. 		
 Are less or nonhazardous materials used when possible? 	Yes, less, or nonhazardous materials used when possible.		



Does the organization have a defined

system to evaluate & find out safer

Is there a defined procedure

available for disposal of used

alternatives?

substances?

when possible.

audit.

No related record found at the time of

Yes, there is waste disposal policy for safe

disposal of used substances.



	•	
General Cleanliness:	Yes, the classroom, library, staff room,	
 Are rooms dusted and vacuumed thoroughly and regularly? What are related checks & controls? Does the organization ensure to use 	and other areas of the campus were found to be neat and clean at the time of the audit.	
of environment-friendly, non- scented cleaning products?	 The organization doesn't ensure the use of the environment-friendly, non- scented cleaning product. 	
Pest control methods & products used (check & control).	The organization doesn't ensure the pest control procedure.	
Does the organization ensure use of low	No, the Institute doesn't ensure the use of low-	
emitting paints, coatings, furniture etc.? What are related checks & controls?	emitting paints, coatings etc.	
Is there any sign of mold infestation?	No, there is no sign of mold infestation in the organization.	
Does the organization eliminate any bird	No, institute does not harm or eliminate any	
or animal nests or droppings near outdoor air intakes?	bird or animal nests.	
What are the methods adopted by the	The buildings have glass windows and greenery	
organization to control/prevent dust within the buildings?	around them that help to prevent dust entry and there is daily dusting activity done in the organization.	
	Reference doc/pic no.: - C4, C5, C6	
Related records / images		







C1: Indoor air flow rate







C3: Indoor air quality level

C4: Ventilation







C5. Windows for ventilation

C6: Large and continuous trees all around the campus

Observations:

- Organization does not use of environment-friendly, non-scented cleaning products.
- Organization does not ensure about the pest control methods and product.
- Organisation does not use of low-emitting paints, coatings etc.
- Organization should have a defined system to evaluate & find out safer alternatives and should use less or nonhazardous materials used when possible.

WATER POLLUTION

Water Pollution Management (objective, practices / methods to minimize water pollution)			
Source of water pollution within the premises.	No there is no source of water pollution within the premises.		
Measures taken to prevent / stop water wastage.	They are taking steps to prevent / stop water wastage through an awareness program and signboard. Reference doc/pic no: D1		
Does the institute harvest rainwater? Give details.	Yes, the institute harvests rainwater. Reference doc/pic no: D2		
Is there any water recycling system? Give details.	Not Available		



	•
Is there any effluent treatment plant in premises? No. of outlets for discharge of	Not Available
effluent?	
What is the quality of effluent in KLD?	Not Available
Whether operating STP/ETP satisfactorily?	Not Available
Whether provided flow meters on outlet & inlet of ETP/STP?	Not Available
Whether provided separate electricity meter on ETP/STP?	Not Available
Whether maintained Logbook for consumption of Electricity/ Chemicals/Quantity of effluent?	Not Available
Detail of land in case effluent is discharged for percolation/ irrigation purpose with justification for its 100% utilization.	Not Available
Status of ZLD (Zero Liquid Discharge) as per CPCB	Not Available
Locate the point of entry of water and point	The campus has a well-functioning water
of exit of waste water in the organisation.	supply system and a closed sewer system.
Dolated records / images	

Related records / images





D1. Save water signboard

D2. Rainwater harvesting System

Observations:

• There should be a systematic procedure and implementation for water and wastewater management systems on campus.

Water Consumption & Water Efficienc	y	1
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Use of water (indoor and outdoor water) & practices related to efficient /reduced use of water.)

Sources of water supply 2 Borewells





Number of water storage tanks and their storage capacity. Total water storage capacity.	10,000 Liter. – 1 tank
Water used in irrigation	250 litre. / Day
Water used in cleaning	50 litre. / Day

Details	No. of persons	Domestic (liter/ day)	Flushing (liter / day)	Total (liter / day)
Students	433	600	900	1500
Teaching Staff	36	100	80	180
Technical Staff	08	20	20	40
Non-technical	10	30	30	60
Staff				
Outsourced Staff	N.A	0	0	0
Total	487	750	1030	1780

Description	Requirement*	Actual consumption	
Water consumption per head /day	Without boarding facility: 45 liter per head / day With boarding facility: 135 liter per head / day	4ltr/day	
*As per Central Ground Water Authority Guidelines water requirements (Ref. NBC 2016, BIS) of an educational institute for drinking and domestic use.			

SANITARY CONVENIENCE TO BE PROVIDED

Fitments	Education Residenti		ites (non-		Education	Educational Institutes (Residential)			
	Boys		Girls	Girls		Boys		Girls	
	Req.*	Actual	Req. *	Actual	Req. *	Actual	Req.	Actual	
Water closets	1 per 40		1 per 25		1 for	20	1 for every	14	
	pupils or		pupils or		every 8		6 pupils or		
	part		part		pupils or		part		
	thereof		thereof		part		thereof		
					thereof				
Ablution taps	1 in each		1 in each		1 in each	20	1 in each	14	
	water		water		water		water		
	closet		closet		closet		closet		
Urinals	1 per 20		-	-	1 for	30	-	-	
	pupils				every 25				
					pupils or				
					part				
					thereof				





Wash basins	1 per 60		1 per 40		1 for	16	1 for every	14
	pupils,		pupils,		every 8		6 pupils or	
	Min 2		Min 2		pupils or		part	
					part		thereof	
					thereof			
Bath	-	-	-	-	1 for		1 for every	
					every 8		6 pupils or	
					pupils or		part	
					part		thereof	
					thereof			
Drinking water	1 for		1 for		1 for		1 for every	3
fountains or	every 50		every 50		every 50		50 pupils	Warer
taps	pupils or		pupils or		pupils or		or part	cooler
	part		part		part		thereof	
	thereof		thereof		thereof			
Cleaner's sinks	1 per floor, minimum							

^{*}As per IS 1172:1993

Observations:

 It is recommended to install a greater number of urinals, wash basins, and drinking water taps to meet the requirements of IS 1172:1993.

NOISE POLLUTION

Noise Pollution Management (objective, practices / methods to minimize noise pollution)

Noise level in dB(A) Leq	Standard Level*	Actual Level
Day Time	50	69.3 dB (A)

*As per The Noise Pollution (Regulation and Control) Rules, 2000; rule 3(1) and 4(1) Day time from 6:00am to 10:00pm Nighttime from 10:00pm to 6:00am

Related records / images







Building Sustainability





Gleen Addit / Environm	icitai iiispeotioii
Ensure that walls, floors, roofs, and windows are as energy efficient as possible.	The walls, floors, roofs, and windows of the institute are designed to be energy efficient. Glass is used as a building material to enhance energy efficiency by allowing in natural light and reducing the need for artificial lighting, resulting in lower electricity consumption. To promote a sustainable environment, the institute has implemented several "Green Campus" initiatives, restricted entry of vehicles, and landscaping with trees and plants. Reference doc/pic no.: - F1, F2
Design for good indoor air quality	Yes, every classroom, staff room, corridor, etc. comprises windows for proper ventilation.
Use of natural daylight in building interiors as a source of ambient light.	Yes, there is use of natural daylight in building interiors as a source of ambient light.
Use of low emitting materials for building modifications, maintenance, and cleaning.	The organisation doesn't ensure about the use of low emitting materials for building modifications, maintenance, and cleaning.

Related records / images







F2. Windows for proper ventilation and natural light

Observations:





The organization does not use low-emitting materials for building modifications, maintenance, and cleaning.

Lighting	
Use of energy efficient lighting system (bulb & other products)	The college has installed an LED lights on its campus.
Use of natural day light	Yes, there is a use of natural daylight in every classroom, library, and lab.

ILLUMINATION LEVELS AND GLARE INDEX

Sr.	Area	Standard	Standard	Actual		
No.		Illumination	Glare Index*	Illumination		
		(Lux)*		(Lux)		
a)	Classrooms	300	16	141		
b)	Lecture rooms (including demonstration	300	16	284		
	areas)					
c)	Reading rooms	150 to 300	19	153		
d)	Laboratories	300	16	360		
e)	Corridors	70	-	61		
f)	Libraries	300	16	167		
g)	Auditorium			362		
	I. Hall	70	-			
	II. Foyer	70	-			
	III. Stage area	300	16			
h)	Gymnasiums	150	-	245		
j)	Cafeterias	100	-	124		
K)	Staff rooms	150	-	329		
Relat	Related images:					







G1: Auditorium's LUX METER READINGS

G2: Cafeteria's LUX METER READINGS





G3: Lecture room's LUX METER READINGS

G4: Gymnasiums' LUX METER READINGS





G5: Library's LUX METER READINGS

G6: Staff room's LUX METER READINGS



* Recommended illumination Levels and Glare index as per National Lighting Code 2010 [ETD 24: Illumination Engineering and Luminaries] Part 5 Section 3

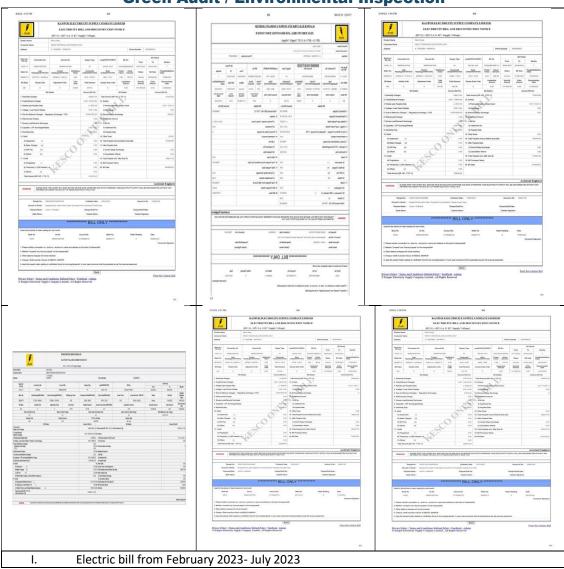
Electrical Equipment's	
Details of electrical equipment, its energy	The organization uses energy-efficient
efficiency & practices	electrical equipment such as Star rating AC and LED bulbs, and has replaced CFL bulbs.
	Reference doc/pic no.: - H1, H2
Related images:	

H1. LED Bulbs H2. 3 star AC

ELECTRICITY CONSUMPTION

Month	Electricity Consumption (Last 6 months)
July 2023	31,854
June 2023	60,930
May 2023	65,730
April 2023	17,478
March 2023	9,555
February 2023	4,974
Related records/images:	





Energy Efficiency

(consumption, objective, practices / methods to achieve energy efficiency objectives)

Current energy uses.

Energy
SourcesConsumption
(Unit)Electricity1046.86/ dayFuel oil15.72/ day

Short-term energy efficiency goals & roadmap to achieve those goals.

The institute short-term energy efficiency goals are as follows: * Solar panel installation





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audit.

Short term energy efficiency goals

Observations:

The organization needs to define a quantifiable road map for long-term a energy efficiency.

On-Site Energy Generation

(Details of renewable energy generation projects on organization's property for organization's use)

The institute has installed 160 solar plats with total generation capacity of 450 kilo watts which can provide electricity to the institute as well as the grid.

Reference doc/pic no: K1

Related records / images







K1. Solar panel

DRINKING WATER

Drinking Water Quality

(As per IS 10500: 2012)

The institute conducted drinking water quality tests according to the IS 10500:2012 standard from Kanpur Nagar nigam and confirmed that the water is safe for drinking.

Reference doc/pic no: L1, L2, L3

Related records / images-







L1. Kanpur Nagar Nigam water test report

L2. Regular TDS report







L3. pH test report by CDG

WASTE MANAGEMENT

Type of waste - Plastic waste

Approximate annual quantity- 15 Kg

Source of waste – water bottles, food packaging rap, Plastic Bags, Beverage Bottles, Takeout Containers, etc.

Handling methods: Plastic waste is collected from different sources or dustbins and dumped into municipal solid waste collection vehicle.

Measures to reduce the waste quantity- The institution promotes a plastic-free environment and raises awareness among students and staff members.

Type of waste – Paper waste

Approximate annual quantity- 40 kg

Source of waste – Hard copies of project reports, exam papers, Notes pads, assignments, tissue paper, craft use, laboratory records etc.

Handling methods- The whole year paper waste is collected in a particular room then the waste is sold to the vendor.





Measures to reduce the waste quantity- They conduct exams and accept projects and assignment submissions through online mode.

Type of waste – Electronic waste

Approximate annual quantity- 6 kg

Source of waste – computer, computer parts, mouse, keyboard, Tonner, etc.

Handling methods- waste is collected from different sources or dustbins and dumped into municipal solid waste collection vehicle.

Measures to reduce the waste quantity- The organisation has taken the initiative by replacing traditional peripherals with modern ones.

Type of waste – Hazardous waste

Approximate annual quantity- 1-2Kg

Source of waste – Laboratory waste, Sharp waste

Handling methods- No information found at the time of audit.

Measures to reduce the waste quantity- No information found at the time of audit.

Type of waste – Garden waste

Approximate annual quantity- 80 kg

Source of waste – Leaves, Grass, Tree/plants

Handling methods- Leaves and grasses are used in the composting method, and the villagers collect them to use as animal feed.

Measures to reduce the waste quantity- Garden waste is reused in the composting pit for future implementation in the garden as compost.





Type of waste – Food waste

Approximate annual quantity- 1800kg

Source of waste - Day canteen food waste

Handling methods- Reuse the food to feed needy animals.

Measures to reduce the waste quantity- An awareness program conducted for reducing food loss and waste. Discussion with the canteen personnel/staff for the optimum use of the food.

Observations:

- There are no records found for hazardous waste management.
- Plastic waste and E-WASTE should not be mixed with other municipal waste.
 Instead, it should be collected separately and handed over to a recycler for proper processing and recycling. By keeping plastic waste segregated, we can enhance the recycling process and minimize environmental impacts.

COMPOSTING PLANT

Organic waste generated amounts to 5 kg per day. This waste primarily comprises leaves, branches, and debris.
Not available.
Not available.
Not available.

Observations:

• It is recommended to adopt a proper composting method for complete decomposition and can consider installing a composting machine on campus for safe and sustainable composting.

RAINWATER HARVESTING

Provide details of the rainwater harvesting	In the KITP , rainwater harvesting system has
facility.	been installed inside the campus.



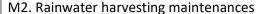


	Reference doc/pic no.: - M1, M2
Rainwater harvesting system maintenance plan	The organization has a written procedure
	for maintenance planning, but there are no written records available.
	Reference doc/pic no.: - M3
Related records / images-	•
KANPUR INSTITUTE OF TECHNOLOGY AND PHARMACY	KANDIID INSTITUTE OF TECHNOLOGY AND BUADMACY

A-1, UPSIDC Industrial Area, Rooma, Kanpur-208001 (U.P.) India Ph: 7705011891 E-Mail-ID: info.kitp@kit.ac.in. director.kitp@kit.ac.in Date: 22/08/2023 **Details of Rainwater Harvesting** The institute will follow the below mentioned plan for rain water harvesting- During rain, the water of terrace comes through pipe collect in filter tank. 2. After collection in filter tank it will collected in harvesting tank. 3. Filter tank, filter and clean the water, after that water reach in harvestin tank and recharge the bore well of harvesting tank which is 80 feet bore in ground, and rain water is absorbed by earth.



M1. Rainwater harvesting details







M3. Rainwater harvesting recharge pit

Observations:

The organisation does not maintain any record regarding rainwater harvesting maintenance & inspection.

Training





Has the organization provided waste management/handling training to concerned employees. Give details.	No record found at the time of audit.
Has the organization provided training for energy saving?	No record found at the time of audit.
Has the organization conducted training for solid waste management?	Yes, the organisation formed a team for solid waste management process. Reference doc/pic no.: N1
Has the organization conducted awareness training for water saving?	No record found at the time of audit.





N1. Solid waste management training

Observations:

The organisation does not maintain any record regarding waste management/handling, energy saving, water saving training program.

Environmental Practices	
Waste recycling	Yes, food waste, canteen waste, and garden waste are segregated and deposited into a compost pit and RO waste water is used in irrigation purpose.
Waste Decomposition	Yes, food waste, canteen waste, and garden waste are segregated and deposited into a compost pit. The





Green Audit / Environmental Inspection	
	compost is later used in the campus
	garden.
Rainwater harvesting	Yes, the rainwater harvesting system is
	installed on the campus.
Environmentally Preferable Purchasing (EPP) or	The organisation use LED bulbs for energy
Green Purchasing	conservation, different colour of dustbin
	for segregation of waste.
Distinct receptacles for trash and recycling	No records found at the time of audit.
Low-emission transportation	Yes, the institute use low emission
	transportation.
	Reference doc/pic no.: - O1
maximum use of clean energy	Yes, the organization installs solar panels
	and rainwater harvesting for maximum
	use of clean energy.
Preference to electronics over the paper	Yes, they conduct exams and accept
	project and assignment submissions
	through online mode.
Campus garden	Yes, there is a beautiful campus garden
	that not only provides an aesthetic view
	of the campus but also helps improve air
	quality, reduce carbon footprint, and
	create a habitat for wildlife.
Related records / images-	
Form 59 Pollution Under Control Certificate Authorised By:	
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Teleps//vethan_parhan_gocial Authorised Signature with starsp of PUC operator Görnen x 20 mm	
O1. Bus pollution free certificate	
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Environmental Initiatives / G	Green Initiatives
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There are various green initiatives taken by the organization: -

- The organization has ban plastic use inside campuses.
- The organization is going for the star-rated AC and motor fans.
- They have started using of the LED bulb instead of the CFL bulb and tube lights.
- The organization use renewal sources over non-renewal sources.
- Organization constructs pedestrian friendly pathways.
- The organization maintain greenery for better environment inside the campus.

Green Belt/Landscaping









Inspector: Ashutosh Tiwari



