

**GURU NANAK KHALSA COLLEGE FOR WOMEN
GUJARKHAN CAMPUS, MODEL TOWN, LUDHIANA**



**SUPPORTING DOCUMENT
(2022-2023)**

7.1.6 Quality audits on environment and energy are regularly undertaken by the institution

**Dr. Maneeta Kahlon
Principal**

Dr. MANEETA KAHLON
Principal
G.N.Kh. College for Women
Gujarkhan Campus, Model Town
Ludhiana

WATER AUDIT

About college

Guru Nanak Khalsa College for Women, Gujarkhan Campus, Model Town, Ludhiana, has championed the pursuit of broadening learning and critical thinking landscapes throughout its five exciting decades of history. Today, this college is acknowledged as a top-tier institution of higher learning that fosters academic and intellectual rigour, lively co-curricular pursuits, community service projects, and civic participation. The institution provides a distinctive set of resources where a community of passionate instructors and gifted students can come together to learn and develop in order to share the dynamic energy field. It is a venue for instruction as well as collaborative scholarship, which strengthens the unique relationship between students and teachers. Despite having a humble beginning, the college now has a wide range of facilities, including high-tech seminar room, Smart Class Rooms, Arts and Commerce buildings, well-equipped laboratories, with computers and internet access, a gymnasium and a fully functional library.

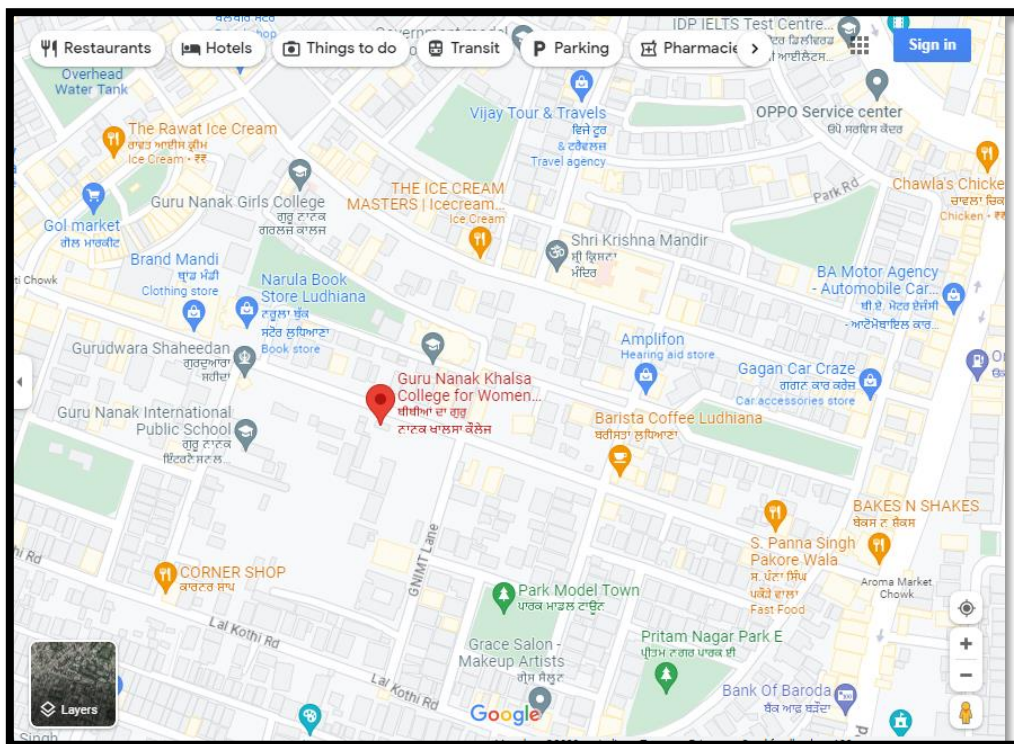


Figure: 1.1 - Image of Guru Nanak Khalsa college for Women from Google map

Institutional strengths

- Highly skilled and knowledgeable teaching staff
- Combination of conventional and contemporary pedagogical techniques
- Facilitators of research activities
- Automated administrative and library block
- Well-maintained infrastructure
- Well-equipped laboratories
- Achievements in sports and cultural activities
- Large, well-maintained green area with landscapes
- Clean, green campus Eco-friendly facilities
- Locational advantage

About water auditing

A water audit is a study of the water use of an entity. It starts at the point where water enters the premises and goes up to the point where the waste water is discharged, critically examining all aspects of use. The audit establishes the quantity/volume of water being used, wastage if any, leakages existing, excess use etc., and identifies areas where consumption can be reduced. It critically examines existing treatment systems and practices and recommends changes to improve efficiency and reduce usage. Based on this detailed study and observations, an audit gives recommendations on how to reduce wastage as well as consumption of water, improvements in treatment practices and methods along with cost benefit analyses. It also recommends the setting up of a system to maintain a record of the amount of water entering a system and to keep track of how this water is distributed and used (National Productivity council, Govt of India).

Objectives

- To monitor the water use and conservation systems
- To evaluate the amount of water generation and its use, and its reduction inside the college.

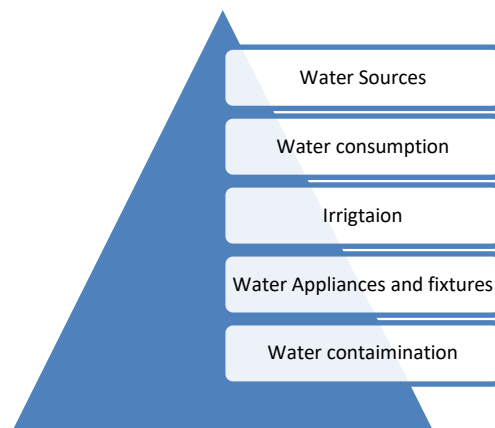
Water audit committee

Name	Designation
Dr Kuldeep Kaur	Associate Professor
Ms. Shikha Kalra	Assistant Professor

Ms. Jaspreet Kaur	Assistant Professor
Ms. Amarpreet Kaur	Assistant Professor
Ms. Harpreet Kaur	Assistant Professor
Ms. Balwinder Kaur	Assistant Professor
Ms. Seema Devi	Assistant Professor

Target Areas of Water audit

This indicator addresses below areas related to water utilization.



Step 1: Walk through survey

- Figuring for existing water sourcing, storage and distribution facility.
- Understanding the water demand and water utilization spheres.

Step 2: Secondary Data Collection

- Analyze water bills of past months
- Analyze Wastewater treatment scheme & costs etc.

Step 3: Conduction of Detailed Water Audit & Measurements

- Power measurement of pumps/motors
- Detection of potential leaks & water losses in the system
- Assessment of productive and unproductive usage of water
- Determine key opportunities for water consumption reduction, reuse & recycle.

Step 4: Preparation of Water Audit Report

- Documentation of collected & analyzed water balancing and measurement details
- Projects and procedures to maximize water savings and minimize water losses.
- Chances for water conservation based on reduce/ recycle/ reuse and recharge options

Details of Source of Fresh Water and Use Area

Details for Washroom		
Washroom	Taps	Type
Office	1 Wash Basin	Simple
	1 Toilet (English Seat)	Jet
	1 Flush	Handle Tab
Principal Room	1 wash Basin	
	1 Flush(English Seat)	One shower jet
	1 Shower	
Secretary Sir	1 wash Basin	One Tap
	1 Flush(English Seat)	Simple Jet
Ground floor girls with room	1 Wash Basin	
	1 Gate Wall	1 tap
	1 Toilet (English Seat)	Simple Jet Handle
	3 Toilet (Indian Seat)	3 tap
Staff Room	2 Wash Basin	
	1 Toilet (English Seat)	1 tap simple jet
	1 Toilet (Indian Seat)	2 tap
Second Floor girls washroom	2 Wash Basin	3 tap
	3 Toilet (English Seat)	3 simple jet
		2 tap
Hsc Lab	1 Wash Basin	1 tap
	1 Toilet (English Seat)	1 simple jet
Lib Staff Room	1 wash Basin	1 tap
	1 Toilet (Indian Seat)	
Commerce Dept.girls	2 Wash Room	2 simple jet
	2 Toilet (English Seat)	2 tap
	2 wash Basin	
Commerce Staff Room	1 Wash Basin	2 tap
	1 Toilet (English Seat)	1 simple jet

S:

BCA dept. girls	2 Wash Room	2 tap
	2 Toilet (English Seat)	2 simple jet
	2 Was Basin	
BCA Staff Room	1 Wash Basin	2 tap
	1 Toilet (Indian Seat)	
MA Staff Room	1 Wash Basin	2 tap
	1 Toilet (Indian Seat)	
New Building	1 Wash Basin	2 tap
	2 Toilet (English Seat)	2 simple jet
Visitor Room	1 Wash Basin	2 tap
	1 Toilet (Indian Seat)	
Peon Washroom	1 Wash Basin	2 tap
	1 Toilet (Indian Seat)	

Maneeta

Dr. MANEETA KAHLON
Principal
G.N.Kh. College for Women
Gujarkhan Campus, Model Town,
Ludhiana

WATER BILLS

Handwritten notes at the top of the page, including "1.000", "11/11/22", and "28/01/22".

Water Bill - 2022 - 2023

G-5001



A112021



Municipal Corporation Ludhiana
WATER SEWERAGE BILL PAYMENT

TXN ID	74962182
ACCOUNT NO.	29654
GB BOOK NO.	101786
GB RECEIPT NO.	10
NAME	PRINCIPAL G N KHALSA COLL
MOBILE NUMBER	9501017435
BILL PERIOD	UPTO 31/03/2022
POS ID	636586
MODE	Cash
DATE/TIME	23/06/2022 09:20:44
AMOUNT	Rs 4390.00
PAYD	Rs 4390.00
CHANGE	Rs 0.00

*** Merchant Copy ***



Rs 4390/- MCL

Water bill

Narender
Principal
G.N. Kh. College for Women,
Model Town, LUDHIANA.

Narender
23/6/22

3/6


Municipal Corporation Ludhiana
 (http://wsepayment.mcludhiana.gov.in)
 (Payment Receipt-Applicant Copy)
 UID No :- B018-07629
 

Account No.:	29654	Date:	13/09/2022
Block:	18	Property No.:	686W
Name:	PRINCIPAL G N KHALSA COLL	Contact No.	9501017435
Due Amount	12344.00/-	Amount Paid:	12344.00/-
Payment Mode:	Demand Draft	Bank:	Indian Overseas Bank
DD/Cheque No.:	179628	DD/Cheque Date:	13/09/2022
Transaction ID:		Service	Water/Sewerage Payment
G8 Book No.:	97057	G8 Receipt No.:	9
Created By:	Harsimran Kaur	Bill Period :	31/03/2023
Remarks :			

a Collage

MUNICIPAL CORPORATION, LUDHIANA										WATER AND SEWERAGE BILL				For The Period of				
Account Number		Name & Address			Meter No.	Tariff Type	W.C. S.C.	Taps Seats	Bill No.	Water		Sewerage		Loan Balance		To		
Name of Zone										Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	
A18/AL18/1413		PRINCIPAL G N KHALSA COLL (Squd) 686W Id No 29654			250	Comm. 00	14861	1	4593505	Id- 29654							31/03/2023	
Zone:							885	2		UID No.								
New Reading On	Old Reading On	Period	Condition of Meter	Consumption	Meter Rent	Water	Arrears	Sewerage	Interest on Arrears	Water		Due Loan Instalments						
		12Months			0.00			4,385	Principal									
Water Charges		Sewerage Charges		Less Excess Payment Water	Less Excess payment Sewerage	Adjustment of Previous Bill	Rebate	Amount payable by Due Date	Amount payable after Due Date	Issue Date	Due Date By Cash	Due Date By Cheque						
1200.00		4200.00		0.00	0.00		840	12344	13184		30/09/2022	30/09/2022						

Name:	COLL	Contact No
Due Amount	2430.00/-	Amount Paid
Payment Mode:	Demand Draft	Bank:
DD/Cheque No.:	179627	DD/Cheque
Transaction ID:		Service
G8 Book No.:	97057	G8 Receipt
Created By:	Harsimran Kaur	Bill Period
Remarks :		

Near Post office

MUNICIPAL CORPORATION, LUDHIANA										WATER AND SEWERAGE BILL								
Account Number		Name & Address			Meter No.	Tariff Type	W.C. S.C.	Taps Seats	Bill No.	Water		Sewerage		Loan Balance		To		
Name of Zone										Principal	Interest	Principal	Interest	Principal	Interest	Principal	Interest	
A18/AL18/6689		PRINCIPAL G N KHALSA COLL (Squd) 686T Id No 34930			250	Dom. 00	14397	2	459	Id- 34930							31/03/2023	
Zone:		FOR WOMEN					886	1		UID No.								
New Reading On	Old Reading On	Period	Condition of Meter	Consumption	Meter Rent	Water	Arrears	Sewerage	Interest on Arrears	Water		Due Loan Instalments						
		12Months			0.00													
Water Charges		Sewerage Charges		Less Excess Payment Water	Less Excess payment Sewerage	Adjustment of Previous Bill	Rebate	Amount payable by Due Date	Amount payable after Due Date	Issue Date	Due Date By Cash	Due Date By Cheque						
300.00		2100.00		0.00	0.00		270	2430										

You must take the receipt from the Cashier after making the payments

www.mcludhiana.gov.in



BILL / CASH

College for Women

ਨਗਰ ਨਿਗਮ ਲੁਧਿਆਣਾ

ਮਿਤੀ 21/1/23

ਮੁਤਾਲਫ਼ਾ ਆਪੀਨ ਧਾਰਾ 137 ਪੰਜਾਬ ਮਿਊਂਸਪਲ ਕਾਰਪੋਰੇਸ਼ਨ ਐਕਟ 1976)

IDNO 1751

1986

College for Women

ਪੁੱਰ

W/C

ਖਾਤਾ ਨੰ:

B/C

ਕਲਾਕ ਨੰ: 18

ਮੁਤਾਲਫ਼ਾ ਰੁਪਏ ਭੇਜਣ ਵਾਲਾ ਵੇਟ ਸਾਲ

ਅਜੇ ਤੱਕ ਮਿਊਂਸਪਲ ਕਾਰਪੋਰੇਸ਼ਨ ਦੇ ਖਾਤੇ ਵਿੱਚ ਸਮਾਂ ਨਹੀਂ ਕਰਾਈ। ਆਮ ਜੀ ਰੂੰ ਇਸ ਨੋਟਿਸ ਰਾਹੀਂ ਸੂਚਿਤ

3 ਦਿਨ ਦੇ ਅੰਦਰ-ਅੰਦਰ ਵਾਟਰ ਰੋਟ ਸਮੇਂ ਵਿਆਸ

ਰੁਪਏ ਮਿਊਂਸਪਲ ਕਾਰਪੋਰੇਸ਼ਨ ਦੇ ਖਾਤੇ ਵਿੱਚ ਜਮਾ ਕਰਵਾ ਦੇਵੇ। ਨੋਟਿਸ ਦੀ ਪਾਲਣਾ

ਮਿਊਂਸਪਲ ਕਾਰਪੋਰੇਸ਼ਨ ਐਕਟ ਦੀ ਧਾਰਾ 138 ਦੇ ਅਧੀਨ ਆਪ ਦੀ ਜਾਇਦਾਦ ਕੁਰਕ ਕਰਕੇ ਵਸੂਲੀ ਜਾਵੇਗੀ।

Arrears Interest

ਜਿਸ ਵਿੱਚ 'Paid by Credit Card of Akhilesh' and 'Electricity Gen Water' are noted.

ਜਿਸ ਵਿੱਚ 'MCL 162.00' and '50' are noted.

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Bank details and merchant information including: HUDA BANK, PIN 1420100, and various account numbers.

ਜਨਰਲ ਮੈਨੇਜਰ, ਜਿਲਾ ਸੁਪਰਡੈਂਟ, ਜਿਲਾ ਨਗਰ ਨਿਗਮ, ਲੁਧਿਆਣਾ
Principal, ਨਗਰ ਨਿਗਮ, ਲੁਧਿਆਣਾ
Model Town, LUDHIANA. 21/1/23

PRIVACY POLICY AS PER BANK'S WEBSITE AND/OR TRACK POLICY APPLY

Water Accounting & Metering system

Suggestions

Some of the crucial recommendations are:

- Create and put into action a plan to reduce water use while also preparing the water management policy.
- Create an institutional ecology policy and lead by example in terms of environmental responsibility and resource conservation, recycling, and waste management techniques.
- Encourage government, foundations, and industry participation in transdisciplinary research, education, policy creation, and information sharing related to water conservation and sustainable development. Involve all relevant parties.
- Work together to establish curricula, research projects, operations, and outreach activities that support an environmentally sustainable future using interdisciplinary approaches.