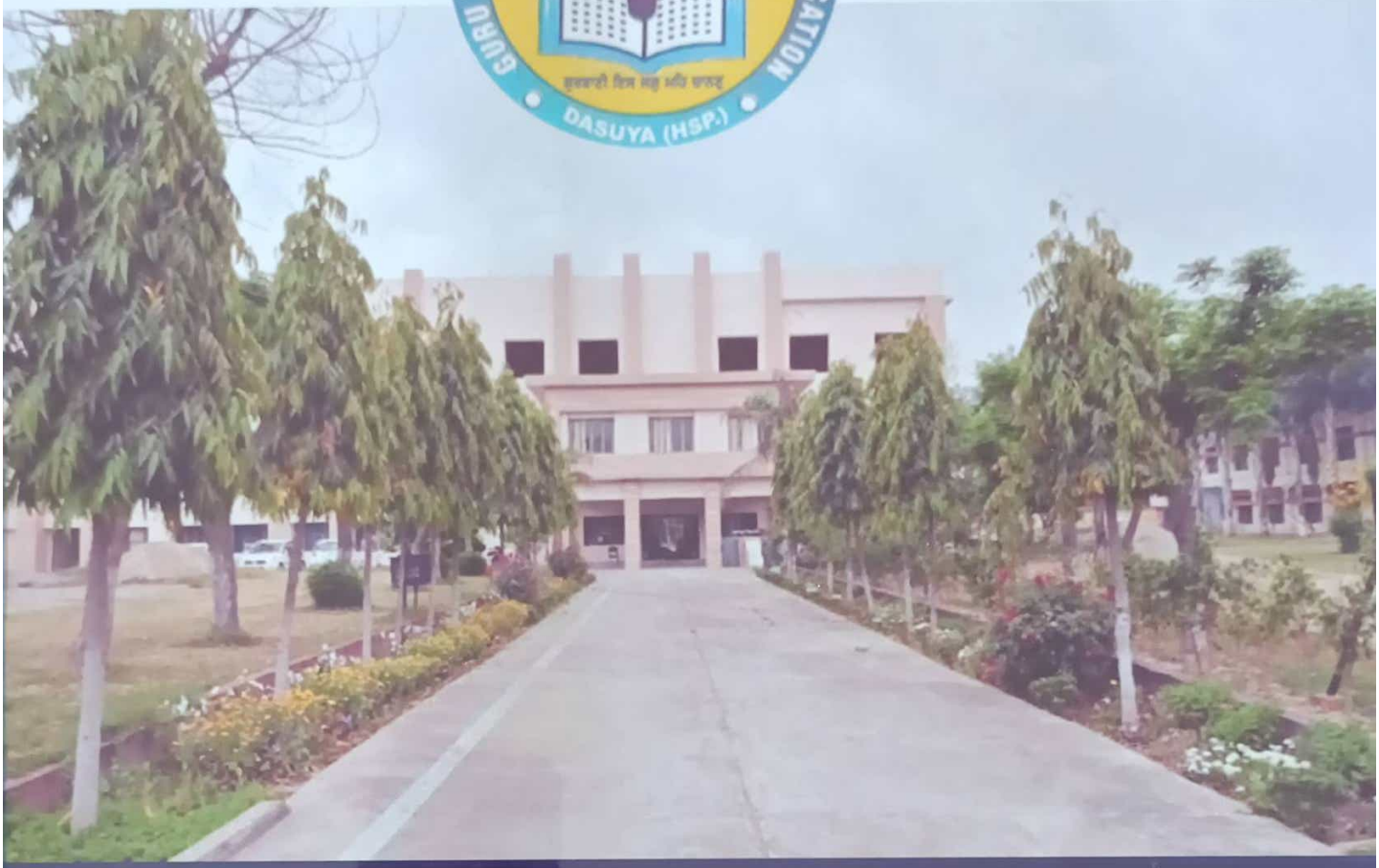

GURU TEG BAHADUR
Khalsa College of Education

GREEN AUDIT REPORT

2022-2023

PREPARED BY
EHS ALLIANCE SERVICES

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EHS alliance

CERTIFICATE

PRESENTED TO

GURU TEG BAHADUR KHALSA COLLEGE OF EDUCATION

Near Civil Hospital Dasuya, Dasuya, Hoshiaprur-144205 (Pb.)

Has been assessed by EHS Alliance Services for the comprehensive study of environmental impacts on institutional working framework to fulfill the requirement of

GREEN AUDIT

ACADEMIC YEAR 2022-23

The green initiatives carried out by the institution have been verified on the report submitted and was found to be satisfactory.

The efforts taken by the management and the faculty towards environment and sustainability are appreciated and noteworthy.

EHS ALLIANCE SERVICES GURGAON

SIGNATURE

02.05.2023
DATE OF AUDIT

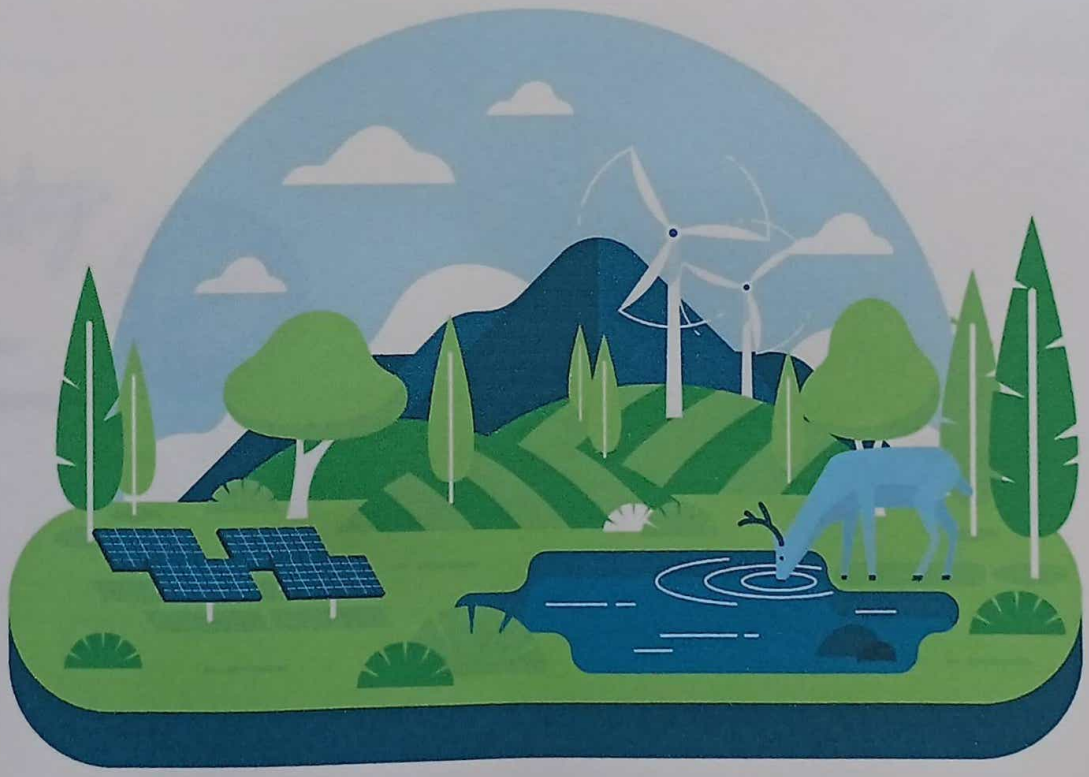
EHS ALLIANCE SERVICES, PLOT A-72, SURYA VIHAR, GURUGRAM, 122001
WWW.EHSALL.IN | BUSINESS@EHSALL.IN | EHSALLIANCE@GMAIL.COM

ACKNOWLEDGEMENT

EHS Alliance Services would like to thank the management of Guru Teg Bahadur Khalsa College Of Education, Dasuya for assigning this important work of Green Audit. We appreciate the co-operation to the teams for completion of assessment.

We would also like to thank ***Ms. Tajinder Kaur - Audit Coordinator, Guru Teg Bahadur Khalsa College Of Education, Dasuya***, for his continuous support and guidance, without which the completion of the project would not have been possible. We are also thankful to other staff members who were actively involved while collecting the data and conducting field measurements.

Last but not the least, we would like to thank ***Dr. Varinder Kaur - Principal, Guru Teg Bahadur Khalsa College Of Education, Dasuya*** for giving us an opportunity to evaluate the environmental performance of the campus.



DISCLAIMER

EHS Alliance Services Audit Team has prepared this report for Guru Teg Bahadur Khalsa College Of Education, Dasuya based on input data submitted by the representatives of institute complemented with the best judgment capacity of the expert team.

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.

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EHS ALLIANCE SERVICES GURGAON

Signature

LEAD AUDITOR

CONCEPT AND CONTEXT

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. Green Audit is assigned to the Criteria 7 of NAAC, National Assessment and Accreditation Council which is a self-governing organization of India that declares the institutions as Grade A, Grade B or Grade C according to the scores assigned at the time of accreditation. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming through Carbon Footprint reduction measures.

In view of the NAAC circular regarding Green auditing, the institution management decided to conduct an external environment assessment study by a competent external professional auditor. The green audit aims to examine environmental practices within and outside the college campus, which impact directly or indirectly on the atmosphere. Green audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of institution's environment. It was initiated with the intention of reviewing the efforts within the institutions whose exercises can cause risk to the health of inhabitants and the environment.

Through the green audit, a direction as how to improve the structure of environment and inclusion of several factors that can protect the environment can be commenced. This audit focuses on the Green Campus, Waste Management, Water Management, Air Pollution, Energy Management & Carbon Footprint etc. being implemented by the institution. The concepts, structure, objectives, methodology, tools of analysis, objectives of the audit as below:

INTRODUCTION

Now a days, the educational institutions are becoming more thoughtful towards the environmental aspects and as a result new and innovative concepts are being introduced to make them sustainable and eco-friendly. To preserve the environment within the institution, a number of viewpoints are applied by the several educational institutes to solve their environmental problems such as promotion of the saving the energy, waste recycle, water consumption reduction, water harvesting and many more...

The activities carried out by the institution can also create adverse environmental impacts. Green audit is defined as an official inspection of the effects a college has on the environment. Green Audit is conducted to evaluate the actual scenario at the institution campus. Green audit can be a useful tool for a university /college to determine how and where they are using the most of the energy or water or resources; the institution can then decide how to implement changes and make savings. It can also be used to determine the nature and volume of waste, which can be used for a recycling project or to improve waste minimization plan.

Green auditing and the application of mitigation measures is a win-win situation for all the institutions, the learners and the mother earth. It can also result in health awareness and can promote the environmental awareness, values and beliefs. It provides a better understanding to staff and students about the Green impact on institution. Green auditing also upholds financial savings through reduction of resource usage. It gives an opportunity to the students and teachers for the development of ownership of the personal and social responsibility. The audit process involves primary data collection, site walk through with the team of university /college including the assessment of policies, activities, documents and records.

OVERVIEW OF THE COLLEGE

Guru Teg Bahadur Khalsa College of Education, Dasuya is a co-education institute recognised under Section 2(f) & 12(b) of the UGC Act, 1956, recognised by N.C.T.E. Jaipur, permanent affiliated to Panjab University Chandigarh and accredited by NAAC (B Grade) with an intake of 100 seats. Our college is doing yeoman's service in fulfilling the noble mission of producing competent and efficient teachers by marching ahead successfully, overcoming hurdles and setting its own benchmarks in the educational field. G.T.B. Trust is functioning smoothly under the able guidance of eminent gems as S. Jasbir Singh Randhawa (Chairman), S. Ajmer Pal Singh Ghuman (Vice Chairman), S. Bhupinder Singh Randhawa (Secretary), S. Purshotam Singh Devidas (Joint Secretary), S. Gurpreet Singh Cheema (Manager), S. Deepgagan Singh Gill (Deputy Manager).

These personalities are making conscious effort to bring about exemplary development by providing and ensuring all facilities to the employees and students. The Principal Dr. Varinder Kaur is whole heartedly committed to the progress of institution and encourages the staff to imbibe in the students all those qualities to tackle with the modern day challenges. The striking possessions of our college are well managed classrooms, Principal Office, Administrative Office, Multipurpose Hall, Seminar Hall, Curriculum Laboratory, Language Laboratory, Information Communication Technology Resource Centre, Art &Craft Resource Centre, Social Science Resource Room, Science & Mathematics Resource Room, Performing Arts/ Music Room, Health & Physical Education Laboratory (Including Yoga Education), Faculty Room, Library, Common Room for Girls, Common Room for Boys, Washroom for Girls, Washroom for Boys, Washroom Staff (Ladies), Washroom Staff (Gents), IQAC Room, Volleyball, Basketball Court, Table Tennis, Medical Care Centre, Hostel

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for Girls, Canteen, Ramp, Pantry, Visitor Lobby, Store Room, Eye Catching lush green lawns, adequate parking facility, effective water management, reading room for teachers etc. We also maintain a fleet of buses to take effective care of transportation.

VISION & MISSION

- To help the student teachers to advance their knowledge in their chosen subjects for secondary school training.
- To deepen their teaching skills to develop their capacity.
- To use their experience of training while they are in the teaching profession.
- To help them to do the things in time and to develop their punctuality.
- To be more creative in their outlook as teacher.
- To help them to understand their 'Self' not only for be a good teacher but also for good human being.
- To help them in their construction of knowledge for better understanding of their subjects.
- To create a feeling of equality among student teacher.
- Holistic development of learners for the progressive development of society.
- To be a man of value.
- To create scientific outlook with analytical and critical thinking.
- To make them to understand the importance of environment.
- To create the habit of reading and importance of books.
- To create good leadership qualities among learners.
- To make them to use various teaching aids and ICT in their teaching work.

Objectives

- To promote high standards of professional education in pupil teachers so that they can use their potential to play a critical role in shaping the texture of society & nation as well.
- Fostering innovative, responsible & systematic integration of technology in education along with humanistic skills.
- Develop a good understanding, knowledge & technical skills to enable pupil teachers to measure & manage performance in their concerned organizations.
- Develop skills for logistic development of learner.
- Develop skills in all the functional area of education & management by providing multiple opportunities for experience based learning.
- Provide such education that will influence thinking and achievements at that work place.
- Develop good conceptual understanding of contemporary skills & their application.
- Developing scientific outlook with analytical and critical thinking.
- Develop key management & tutorial skills.
- Build necessary skills functional knowledge & attitude to enable students for smooth working in any environment.

Facilities in the campus

1. **Library:** The institution library is fully automated. It uses Koha software, N-List and e-books (wonders slate) related to the teaching-learning process of B.Ed. programme. Koha software is an Open Source Integrated Library Management System. Koha has catalogue module enabling library staff to capture a details of the library books for college stakeholders.
2. **Sports:** College campus provides the students the facility of two play grounds for major outdoor games & sports and enjoys themselves in the free time with Vollyball and Basketball courts. Also the facility of table tennis is there. To support the broad learning outcomes, play spaces include areas for active, free, quiet, social, imaginative, creative,

exploratory and natural play. We provide them with opportunities to learn and relax. The ground is also used for organizing big events like Akhand Path Sahib, opening session ceremony, Sports day, Yoga day, farewell etc. are provided in our college.

3. **Labs:** The institution has ICT Resource Centre with 34 computers and Wi-Fi Internet facility for data entry and analysis; document generation, research publications; internet access and information sharing. Teachers make use of ICT facilities for curriculum transaction and for research purposes. Students are also allowed to use ICT resource centre for their project work and to explore knowledge beyond curriculum.

4. **Wi-fi campus:** The college campus is equipped with 24x7 high speed internet facility for the student and faculty members to avail internet connection at any place in the campus.

5. **Medical Room:** Medical room facility is there in the college to provide first aid services to the students reporting physical illness at point of time during needy hours. Treatments are given for common issues like fainting attacks, vomiting, abdominal pain, back ache and other ailments.

6. **Transport Facility:** The College maintains a fleet of comfortable buses in the college for commutation of students for their respective places. The transport facility is available to students, faculty and staff at affordable expenses. Our transport team ensures the personal safety, travel reliability and punctuality on the campus of students, faculty and staff.

Geo Location
Geo Coordinates from Google maps:
31.8088117, 75.6682592

AUDIT PARTICIPANTS

On behalf of Guru Teg Bahadur Khalsa College of Education, Dasuya

Name	Designation
Dr. Varinder Kaur	*Principal*
Ms. Sandeep Kaur Boski	*Vice-Principal*
Dr. Ranju Bala	*Assistant Professor*
Ms. Gagandeep Kaur	*Assistant Professor*
Ms. Manwinderjit Kaur	*Assistant Professor*
Ms. Seema Rani	*Assistant Professor*
Mr. Pradeep Singh Sahota	*Assistant Professor*
Mr. Manpreet Singh	*Assistant Professor*
Ms. Tajinder Kaur	*Assistant Professor*
Mr. Raj Kumar	*Assistant Professor*
Ms. Vishakha Sharma	*Assistant Professor*
Mr. Sikander Singh	*Assistant Professor*
Ms. Gupreet Kaur	*Asst. Librarian*
Ms. Tanvir Thaper	*Assistant Professor*
Ms. Navjot Kaur	*Assistant Professor*
Ms. Bhawna Sharma	*Assistant Professor*
Ms. Sandeep Kaur	*Librarian*
Mr. Tek Chand	*Office Superintendent*
Ms. Minakshi Sharma	*Non-Teaching Staff*

On behalf of EHS Alliance Services

Name	Position	Qualifications
Dr. Uday Pratap	Lead Auditor	*Ph.D. , PDIS, QCI – WASH, Lead Auditor ISO 14001:2015*
Ms. Pooja Kaushik	Co-Auditor	*M.Sc., Field Expert, QCI – WASH*

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EXECUTIVE SUMMARY

Green auditing is an essential step to identify and determine whether the institutional practices are sustainable and ecological. Traditionally, we were upright and efficient users of natural resources. But over the period of time, excessive usage of resources like water, electricity, petrol, etc. have become habitual for everyone especially, in urban and semi-urban areas. It is actually the right time to check if we (our process) are consuming more than required resources? Whether we are using resources sensibly?

Green audit standardizes all such practices and provides an efficient way to use natural resources. In the time of climate change and resource exhaustion it is necessary to re-check the processes and convert then in to green and sustainable. Green audit provides an approach for the same. It also increases overall awareness among the folks working in institution towards the eco-friendly environment.

This is the second attempt to conduct green audit of this campus for fulfilment of NAAC criteria. This audit was mainly focused on greening indicators like consumption of energy in terms of electricity and fossil fuel, quality of soil, water usage, vegetation, waste management practices and carbon foot print of the campus. Initially a questionnaire was shared to know about the existing resources of the campus and resource consumption pattern of the students and staff in the campus.

GREEN AUDIT - ANALYSIS

1.1 GENERAL INFORMATION

1. Does any Green Audit conducted earlier?

No, this is second external audit carried out by the institution external audit organized by the Guru Teg Bahadur Khalsa College Of Education, Dasuya.

2. What is the total strength (people count) of the Institute?

Students
Male: 13 Female: 190 Total: 203

Teachers (including guest faculty)
Male: 5 Female: 11 Total: 16

Non-Teaching Staff
Male: 2 Female: 2 Total: 4

Total Strength
Male: 20 Female: 203 Total: 223

3. What is the total number of working days of your campus in a year?

There are two hundred thirty eight days working days in a year.

4. Where is the campus located?

The campus is located Near Civil Hospital Dasuya, Dasuya,Hoshiaprur-144205 (Pb.)

5. Which of the following are available in your institute?

Garden area	Available
Playground	Available
Kitchen	Available
Toilets	Available
Garbage Or Waste Store Yard	Available
Laboratory	Available
Canteen	Available
Hostel Facility	Available
Guest House	Available

6. Which of the following are found near your institute?

Municipal dump yard	Not in vicinity of institute
Garbage heap	No Garbage heaps
Public convenience	Public convenience is available
Sewer line	Approximately 200m sewer line within campus
Stagnant water	No stagnant water
Open drainage	No
Industry – (Mention the type)	No
Bus / Railway station	Within 2 Km. from campu
Market / Shopping complex	Not Available

1.2 WASTE MINIMIZATION AND RECYCLING

1. Does your institute generate any waste? If so, what are they?

Yes, Solid waste, Canteen waste, paper, plastic, horticulture, e-waste, etc.

2. What is the approximate amount of waste generated per day? (in Kg approx.)

Biodegradable waste - 10 Kg
Non-biodegradable waste -2 Kg
Hazardous Waste - <1 Kg
Others < 1

3. How is the waste managed in the institute? By Composting, Recycling, Reusing, Others (specify)

- *Solid waste management is being done through municipal corporation*
- *Rain water harvesting system is installed in campus for gound water recharge*
- *E-waste collection and management through recycled – authorized vendor*
- *Two types of Waste bins are provided at campus for biodegradable and non-biodegradable waste*

4. Do you use recycled paper in institute?

- *Yes, college reuse one side printed Paper for internal communication and academic evaluation works.*
- *Moreover teaching aids are prepared with the help of one side used paper*

5. How would you spread the message of recycling to others in the community?

Following are the ways through which college is spreading the awareness about recycling

- *Academic Events and Extension Activities*
- *Installation of Dustbins for waste plastic collection, e-waste collection and recycling*

6. Can you achieve zero garbage in your institute? If yes, how?

Not yet achieved. Possible through waste management policy and planning.

- *Minimization of waste production*
- *Workshops & Trainings on Waste management*
- *Institution is on a progressive move to prepare such plan in near future under the guidance of expert team.*
- *Institution is on a progressive move to revise the existing Canteen Waste Management Plan to promote efficiency and effectiveness.*

1.3 GREENING THE CAMPUS

1. Is there a garden in your institute?

Yes, about 1816.13 SQM areas are developed as Gardens.

2. Do students spend time in the garden?

Student spend three - four hours in garden during winter season.

3. Total number of Plants in Campus?

Plant type with approx.	count
Full grown Trees	63
Small Trees	304
Hedge Plants	2209
Grass Cover	1816.13 SQM

4. Is the College campus having any Horticulture Department? (If yes, give details)

Yes, Total 5 deployed in horticulture department

5. How many Tree Plantation Drives organized by campus per annum?

5 Plantation Drives are Organized by campus in the last FY. Number of trees and plants are planted = 250. Survival rate is more than Survival rate upto 70%

6. Is there any Plant Distribution Program for Students and Community?

Yes, The plant distribution drives are organized by the institute according to different sessions and occasions in the nearby community and campus.

Students are advised to distribute saplings in their neighborhood and friend circle. Besides this landscape, Hamia village is adopted and developed by the institution.

8. Is there any Plant Ownership Program?

Yes

1.4 WATER AND WASTEWATER MANAGEMENT

1. List uses of water in your institute

Basic use of water in campus:

Drinking – 7.33 KL/month

Gardening – 45.77 Kl/month

Kitchen and Toilets – 41.37 KL/month

Others – 19.84 KL/month

Hostel – 0 KL/Month

Total = 114.30 KL/Month

2. How does your institute store water? Are there any water saving techniques followed in your institute?

Water us stored in 4 Overhead Water Tanks, and the capacities are mentioned below:
2 water tanks – 2000 ltrs
2 water tanks – 1,000 ltrs

Saving Techniques

- *Avoid overflow of water-controlled valves are provided in water supply system.*
- *Close supervision for water supply system.*
- *Toilet flushing tanks are set on 60% loading to save water*
- *Push taps are installed in water coolers*
- *Water Conservation awareness for new students*
- *Sprinklers usage for gardening and grass cover*

3. Locate the point of entry of water and point of exit of waste water in your institute.

Entry - Water comes from 1 Bore well (4 Inches diameter pipe with 180 Feet depth.

Exit- From Canteen, Hostels, Toilets, Bathrooms and Labs through covered drainage which is connected to public sewage

4. Write down ways that could reduce the amount of water used in your institute

Basic ways:

- *Close the taps after usage*
- *Water Conservation awareness for new students*

- Maintenance and monitoring of valves in supply system to avoid overflow, leakage and spillage
- Push tap are installed to save water
- Water recycling and use of sprinklers for gardening

1.5 ANIMAL WELFARE

1. List the animals (wild and domestic) found on the campus (dogs, cats, squirrels, birds, insects, etc.)

30+ Birds, around 2 dogs, 1 Cats, around 30+ Squirrels and 20+ butterfly species are found in campus. A variety of bird's species and other flora and fauna are available, so institute is doing their bit for bio diversity conservation.

2. Does your institute have a Biodiversity Program or a KARUNA CLUB?

Yes, Guru Teg Bahadur Khalsa College Of Education, Dasuya's environment committee actively organizes awareness through various campaigns and activities including seminars, poster competition, etc.

1.6 CARBON FOOTPRINT - EMISSION & ABSORPTION

1. Electricity used per year - CO2 emission from Electricity

(electricity used per year in kWh/1000) x 0.84
= 30000/1000x0.84
= 25.20 tons

2. LPG/PNG used per year - CO2 emission from LPG/PNG

(LPG/PNG used per year in KG) x 2.99
=456 x 2.99
=1.36 tons

3. Diesel used per year CO2 emission from HDS (Diesel)

(Diesel used per year in litres) x 2.68
= 240 x 2.68
=0.64 tons

4. Transportation per year (car) CO2 emission from transportation (Bus and Car)

There are no vehicles owned by the institution

Total CO2 emission per year cumulative by electricity usage + LPG usage and diesel consumption is 27.75 tons

CARBON ABSORPTION BY FLORA IN THE INSTITUTION

There are 63 full grown trees and 304 semi grown trees, 2209 hedge plants of different species, and grass cover of 19548.66 sq ft.

Carbon absorption capacity of one full grown tree 22 kg Co2 Therefore Carbon absorption capacity of 63 full-grown trees 63 x 22 kg Co2 = 1.39 tons of Co2.

The carbon absorption capacity of 304 semi-grown trees is 50% of that of full-grown trees. Hence the carbon absorption 304 x 6.8 kg of Co2 = 2.07 tons of Co2

There are approximately Hedge Plants 2209 of various species being raised in the gardens and grown in the areas where no buildings are built Carbon absorption of bush plants varies widely with their species. Certain bushes absorb very high level of Co2 where as some others absorb very low level of Co2. In the absence of a detailed scientific study, 200g of Co2, absorption is taken per bush (in consultation with Environmental Science specialists). Based on this, total carbon absorption of bushes is 2209 x 200 g = 0.44 tons of Co2

The lawns on the campus have buffalo grass, Mexican grass and indigenous grass species and cover a total area of 19548.66 sq. ft. Carbon absorption capacity of a 10 sq. ft. area of lawn is 1 g per day Therefore, carbon absorption by lawn area 19548.66 x 365 x 0.1 g Co2 = 0.71 tons Co2 per year.

Grand total of carbon absorption capacity of the campus is 4.61 tons.

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GREEN INITIATIVES BY CAMPUS

- **Solid Waste Management**
  - The institution gives solid waste to Municipal Corporation.
  - There is ban on single use plastic and plastic crockery in the campus.

- **E-waste Management**
  - College has a separate storeroom for the safe storage of electronic waste. After a certain interval of time college disposes of the E-waste to concerned agencies through the auction process.

- **Rain water harvesting**
  - Two rainwater harvesting system is there for better groundwater recharge. The stored water in this tank can be used for gardening purposes.

- **Renewable Energy**
  - The college is in process to install solar PV on the rooftop of building.

- **Air Pollution Reduction**
  - Personal Vehicles (Students) are not allowed in the campus

- **Environment Committee Initiatives** – Guru Teg Bahadur Khalsa College of Education, Dasuya has environment committee. Below are the highlights of their work on environment cautiousness.

- The Guru Teg Bahadur Khalsa College of Education, Dasuya adopted a village Hamza for providing the necessary support through Unnat Bharat Abhiyaan scheme.

- Primary school students of the village received stationary and eatables.

- Awareness creation activities focused on health and hygiene, cleanliness, plantation, garbage disposal, Swacch Bharat Abhiyan, and skill-based activities in the village.

- Students participated in National Youth Day Competitions and grabbed first and second positions.

- Environment awareness rally in nearby areas of the college in collaboration with MGNCRE, Govt. of India.

- Celebration of World Water Day through Mime and rally in mother and sister institutions.

RECOMMENDATIONS

- Environmental parameters shall be included in purchase policy to achieve a cradle to grave approach for sustainability.
- Complete the installation of solar PV at earliest and make it fully operational to reduce carbon footprints
- Bore well permission should be taken from authorised government department
- College should start drip irrigation to save water in campus
- College should increase the use of Sprinklers gardening purpose
- Flow rate of taps should be checked, it should not be more than 2.5 litres/minute.
- Increase plantation drives in nearby villages, local bodies, NGO and Municipal Corporation in order to balance the carbon emission and absorption.
- Arrange training programmes on environmental management system and nature conservation for schools and local people.
- Involve lower hierarchy staff in environmental awareness programmes and campaigns.
- Green building guidelines for future expansion projects of the campus.
- College should install motion sensor based lighting system for common areas like library, corridors and washrooms to save energy.

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CONCLUSION

This audit involves considerable team discussions and meetings with key staff members on a variety of environmental-related topics. The eco club of Guru Teg Bahadur Khalsa College Of Education, Dasuya promotes conservation of resources.

Overall 50% of Guru Teg Bahadur Khalsa College Of Education, Dasuya is for landscaping. The college makes a significant effort to act in an environmentally responsible manner and takes into account the environmental effects of the majority of its activities. The recommendations in this report suggests some more ways in which the institution can work to improve its practices and develop into a more sustainable institution.

It's important to begin a few things, such as making Solar PV functional, initiating drip irrigation and checking the water flow from the taps.

REFERENCE

- The Environment [Protection] Act – 1986 (Amended 1991) & Rules-1986 (Amended 2010)
- The Petroleum Act: 1934 – The Petroleum Rules: 2002
- The Central Motor Vehicle Act: 1988 (Amended 2011) and The Central Motor Vehicle
- Rules:1989 (Amended in 2005)
- Energy Conservation Act 2010.
- The Water [Prevention & Control Of Pollution] Act – 1974 (Amended 1988) & the Water (Prevention & Control of Pollution) Rules – 1975
- The Air [Prevention & Control Of Pollution] Act – 1981 (Amended 1987) The Air (Prevention & Control of Pollution) Rules – 1982
- The Gas Cylinders Rules – 2016 (Replaces the Gas Cylinder Rules – 1981
- E-waste management rules 2016
- Electrical Act 2003 (Amended 2001) / Rules 1956 (Amended 2006)
- The Hazardous Waste (Management and Handling and Trans-boundary Movement) Rules, 2008 (Amended 2016)
- The Noise Pollution Regulation & Control rules, 2000 (Amended 2010)
- The Batteries (Management and Handling) rules, 2001 (Amended 2010)
- Relevant Indian Standard Code practices

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ANNEXURE – PHOTOGRAPHS OF ENVIRONMENT CONSCIOUSNESS

squirrels, butterflies, and many wildlife. Tree trunks create dramatic shapes that soften the landscape. They shade and cool our streets and buildings and insulate our homes from cold winds. Trees and plants must be protected by everyone living on this earth planet as they not only provides shade, fruits, vegetables to us they also provide a living environment to us. They must be protected to ensure a better future for the next generation and a living environment to them. Trees are our lifetime companions who provide various benefits to us. Being associated with us, they can be adopted as siblings to be look after. The tree adoption policy states that to embrace trees for their wellbeing and to make the students cognizant about the effect of love and affection on the growth of a plant. Moreover it also emphasizes to connect the pupil teachers with the nature and environment.

Duration: (Year of Inception Year of Discontinuation	2021 Still continue
Goals	➢ To reverse the green lose. ➢ The connect student interns with the environment. ➢ To make the trees affectionate to the students. ➢ To take care of the old and dying plants. ➢ To strengthen human relation between pupils and the trees. ➢ To make the trees bloom and grow with solicitousness.
The Context	GTB Khalsa College of Education is rich in greenery as the 1816.33 sq.mt area is grass cover which consists of more than 2100 trees and plants. The college works in the area of environment protection and focuses on the involution of

Tree adoption policy

Well maintained college campus

Lush green campus

Artificial bird next adopted by birds on the campus

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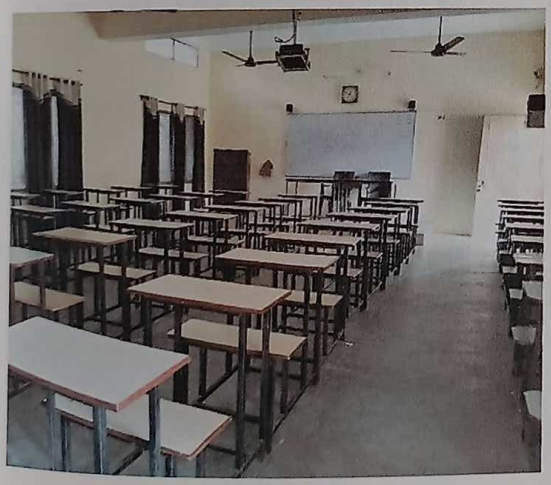
Indoor games facility

Library facility



Classrooms as per NBC guidelines with more than 40% window ratio

Spacious and well equiped computer lab

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Roof-Top solar panel

Color coded dustbins

Ornamental plants in campus

Indoor plants in campus

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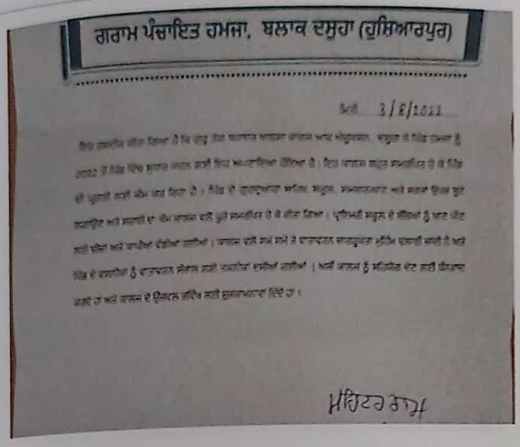

ਗਰਾਮ ਪੰਚਾਇਤ ਹਮਜਾ, ਬਲਾਕ ਦਸੂਹਾ (ਹੁਸ਼ਿਆਰਪੁਰ)

ਮਿਤੀ 3/5/2011

ਮਹਿਤਰ ਸਾਹ

Certificate by Sarpanch

Green landscape

Gen Set

Water coolers with push taps

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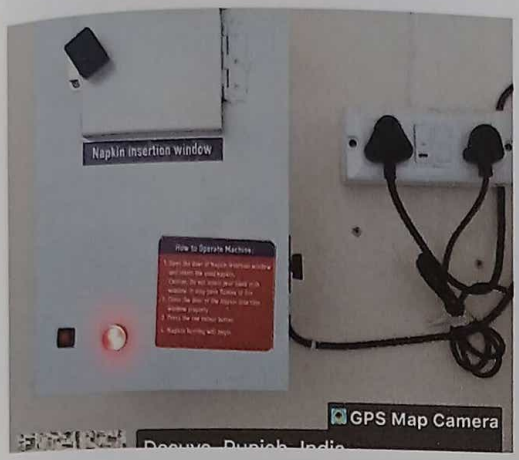
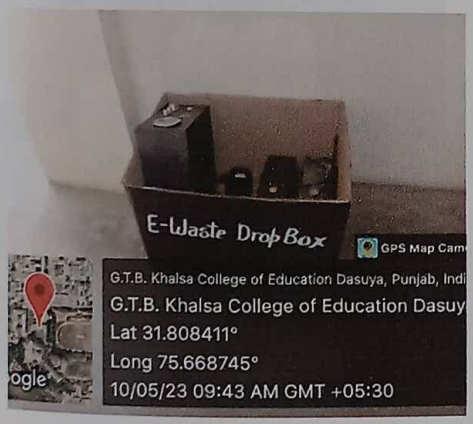


Incinerator for BMW disposal

Campus Nursery



E-waste bin

Best out of waste activity

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Halogen light replaced by LED light

Solar PV installation

Water storage tank

Urinals to save water usage

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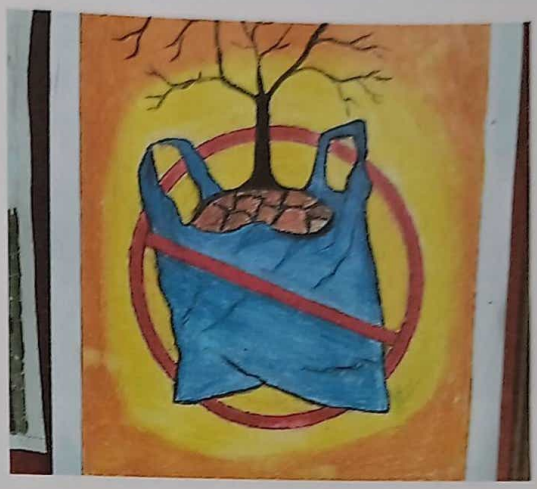
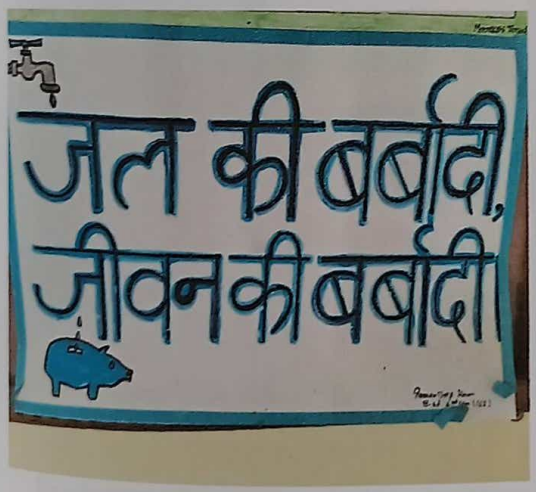
Say No to plastic campaign



No plastic - poster making activity



Save water awareness message display

Swatchta Abhiyaan - poster making awareness campaign

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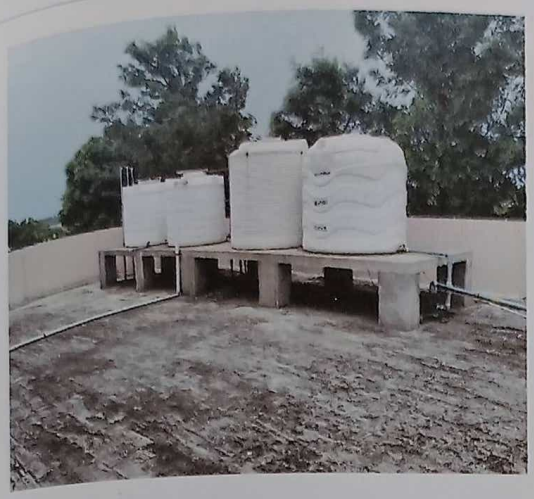

WAter storage tanks

Wildlife conservation - artificial nests on trees

Push taps for water conservation

Air purifying indoor plants

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********** END OF THE REPORT **********