

CIL Ref. No.:	CIL/20232543
Name of organization:	Government College Kullu
Address of premises:	NH-3, Dhalpur, Pin code 175101
Name of Inspector:	Ashutosh Tiwari
Date of Inspection:	21 st and 22 nd December 2023
Type of Inspection:	Green Audit

Organization Details	
Total Campus Area	20234.20 Square meter
Total Built-up Area	9943.94 Square meter
Covered Parking	735m ²
Total Air-Conditioned Area	4098.48 sq feet
Non-Airconditioned Area	16135.52 sq feet
Cross Floor Area	2700 m2
Forest / Planted Area	2450m ²
Age of the building	Arts Block: Established year 2016 (7years) Science Block: Established year 1979 (44 Years) Arts Block: Established year 1969 (54 years)

DETAILS OF INFRASTRUCTURE

Classrooms	39
Laboratory	12
Library	01
Seminar hall and auditorium	01
Sports room	01
Gymnasium	01



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Page 1



Staff and student parking area	735m ²
Canteen	01
Playground	01
Green Area / Plantation	2450 m ²

LIST OF BUILDINGS

Name of Building	Number of Floors	Area (m2)
Administrative Block	2	564 m ²
Science Block	3	900 m ²
Arts Block	<u>4</u>	1330 m ²

DEPARTMENTS

1	Department of English
2	Department of Hindi
3	Department of Political Science
4	Department of Economics
5	Department of History
6	Department of Sociology
7	Department of Education
8	Department of Sanskrit
9	Department of Journalism and Mass Communication
10	Department of Public Administration
11	Department of Geography
12	Department of Mathematics
13	Department of Geology
14	Department of Chemistry
15	Department of Physics
16	Department of Botany
17	Department of Zoology
18	Department of Music
19	Department of Environmental Science
20	Department of Commerce

DETAILS OF STUDENTS AND STAFF

Total Number of Students	5232 (Male:2365, Female 2867)
Teaching Staff	68
Technical Staff	Nil
Non-Technical Staff	18





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ĺ	Outsourced Staff	38

GREEN AUDIT PARTICIPANTS

Name	Designation
Dr. Ram Nath	Associate Professor
Dr. Harish Chand	Assistant Professor
Mrs. Monika	Assistant Professor
Mr. Gian Chand	Assistant Professor
Dr. Ashish Kumar	Assistant Professor

LEGAL COMPLIANCES

Description	Registration Details
Consent to operate (CTO) from SPCB	NA
Fire NOC	Yes
Water Boring permission	NA
DG Set Permission	NA
Single Window Clearance System	
DIRECTORATE OF FIRE RESIVICES HIMACHAL PRADESH SHIMLA-2	
NO.OBJECTION CERTIFICATE	
District Or Aur Concurs Base presence of Based basels basels, Basel Basel Basels, Basel Basels, Bas	
Remarks: Adequate. Firs. precamionary, measures, he adqued in consultation, with Jusal Firs. Differ during annual day function, sc. any, other, function, where temporary structures, and Pandals, ars to be executed. [Digitally Eigned 17:12:2019 15:37:21] Chief Pro Differe.	
Himachal Pradesh Shintar2 Place: Shinta Dalaet: 2018-12-07	
1. Fire NOC	



Page 3



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Situated on the right bank of river Beas, Govt. College Kullu provides a perfect ambiance for teaching learning activities. The glorious journey of the college began five decades ago in the year 1967 with 57 students and the institution has emerged as one of the premier institutions of higher learning of Himachal Pradesh with a strength of more than 5000. The opening of this institution of higher learning proved to be a boon for young men and women of Kullu district, Lahaul & Spiti, and adjoining areas of Mandi district as prior to this they had to go too their places to pursue their studies. In 1971 classes in the science stream also began. The college at present offers different undergraduate programs in Humanities, Science, Commerce, Computer Application, and PostGraduate courses in English, Economics, Political Science, Hindi & Tour and Travel Management. The college also runs self-financing courses in BCA and BBA. In the year 2018 vocational courses in Retail Management and Tourism & Hospitality were also introduced. The college has emerged as one of the biggest institutions of higher learning in Himachal Pradesh with the strength of more than 5000 students. In 2021, the college has been included under the Utkrisht Mahavidyalaya scheme of HP Govt. The college is recognized under section 2(f&12B) of the UGC Act and has been re-accredited B++ by NAAC in 2016. Since its inception, the college had been affiliated with Himachal Pradesh University Shimla, but from session 2022-23, its affiliation is with the newly opened Sardar Patel University Mandi HP in a phased manner starting from the 1st year of UG and PG programmes. During the current session 2023-24, the 3rd year of present UG programmes, the affiliation continues to be with the HPU.

Spread over an area of 5 acres, the college has a Science Block, Library and Administrative Block, and New Arts Building which has a well-equipped conference hall, multi-purpose hall ,smart classrooms canteen, and Language Lab. The college has tribal hostels both for boys and girls. A basketball court has also been constructed recently. The college has well-equipped science labs and computer labs with internet facilities. The college has subscribed to the N-list and the Stakeholders can have access to E-Resources through INFLIBNET. Different activities in the college like Sports, NCC, NSS, Rovers & Rangers enhance the vibrancy of the institution and help in developing the personality of the students. It is a matter of great pride that Govt. College Kullu got the first unit of NCC Air Wing in the state in 1972-1973. The college celebrated its Silver and Golden jubilees in 1992 and 2017 respectively. The college is proud of its alumni who have excelled in different walks of life. efforts are always being made to live up to the college Motto "विनितोज्ञानवानशुचि:" ("Education makes one humble, knowledgeable and pure in thoughts and deeds"). The college strives to inculcate these values in the learners who enter the portals of this magnificent institution.

Vision

The college aims at the holistic development of students, empowering them to fulfill their academic and professional aspirations as well as emotional needs; instilling human values in them for promoting national integration and creating responsible global citizens by celebrating diversity. The motto of the college "विनितो ज्ञानवान शुचि:" i.e. Education makes one "humble, knowledgeable, and pure in thoughts and deeds" sums up the vision of the institution.

Mission



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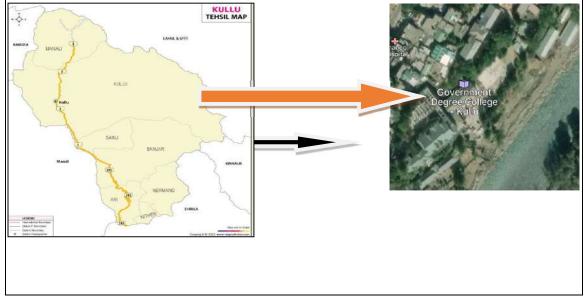


To accomplish our long-term goals, our mission is to strive whole year round to provide opportunities to students belonging to diverse strata through various well-organized programs so that the students can realize their true potential.

- Academic activities are organized to enhance critical, analytical, and communication skills.
- Co-curricular activities are organized by clubs and societies for the overall development of their personalities.
- NCC, NSS, Rovers & Rangers units of the college prepare students to serve the society and nation at large.
- Sports help in the overall personality development and character building of students.
- Career Counseling and Placement Cell organizes counseling and coaching sessions, lectures by eminent speakers from diverse fields, workshops, job melas, etc. to enhance the employability avenues of the students.
- To keep pace with the changing times, the college keeps strengthening its ICT facilities for better teaching-learning processes as well as administration.
- Teachers are encouraged to keep themselves updated in their respective fields.

GEOGRAPHICAL LOCATION AND CAMPUS MAP IN SCALE

Latitude and longitude coordinates are: **31.957851, 77.109459**.



LAND USE DATA

Categories o	f Land Use	Area (m²)	
Page 5		CDG INSPECTION LIMITED www.cdginspection.com	CIL-12 Issue 01 Rev 00 15 March 2022



PLANTATION AREA	2450m ²
BUILT UP AREA (INCLUDE ROADS)	9943.94 m ²
TOTAL AREA	20234 sqm

CLIMATIC PARAMETERS

1. Climate:

Located at an elevation of 1278m (4193feet) above sea level, Kullu has a Temperate highland tropical climate with dry winters climate (Classification: Cwb). The district's yearly temperature is 24.46°C (76.03°F) and it is -1.51% lower than India's averages.

2. Rainfall:

Kullu typically receives about 42.86 millimeters (1.69 inches) of precipitation and has 35.54 rainy days (9.74% of the time) annually.

3. Temperature:

The district's yearly temperature is 24.46°C (76.03°F) and it is -1.51% lower than India's averages

BIO-DIVERSITY

Page 6

Physical Count of Flora in Campus

S. No.	Particulars	Units
1	Trees	82
2	Plants	209
3	Gardens	2

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

S. No.	Botanical Name	Common Name	Units
Trees			
1	Grevillea robusta	Australian silver oak, Silver	22
		oak, Southern silky oak	
2	Pistacia integerrima	Zebrawood, Kakkad-singhi	01
3	Cedrus deodara	Himalayan cedar, Devdar	21
4	Diospyros kaki	Japanese persimmon,	
		Oriental persimmon,	
		Persimmon, Japani phal	





5	Melia azedarach	China berry, Indian lilac,	02
J		Drek, Jack, Mahanimba	02
6	Magnolia grandiflora	Southern magnolia, Brahm	01
0		kamal	01
7	Ginkgo biolab	Ginkgo, Maidenhair tree	01
<u>,</u> 8	Araucaria heterophylla	Living Christmas tree,	03
0	Arducuna neceropnyna	Norfolk Island pine	03
9	Salix tetrasperma	Indian willow	10
10	Jacaranda mimosifolia	Blue jacaranda	07
10	Prunus armeniaca	Apricot, Khumani	07
12		English walnut, Persian	02
12	Juglans regia	walnut, Walnut, Akhrot	02
13	Morus alba	Common mulberry,	02
15		Silkworm mulberry, White	02
14	Figue palmata	mulberry	03
14	Ficus palmata	Fig, Punjab fig, Bedu,	03
1 Г	Dobinia popudo popoia	Fegda	02
15	Robinia pseudo-acacia	Black locust, Rubinia	02
16	Populus ciliate	Himalayan poplar, Poplar,	03
47		Safeda	00
17 Charach	Juniperus chinensis	Chinese juniper	02
Shrub:		Loguat	01
	Eriobotrya japonica Melaleuca citrina	Loquat	
2		Bottle-brush tree, Crimson	02
		bottle brush, Lemon	
2	Dobrogogoja loggifalia	bottle brush	01
3	Debregeasia longifolia	Orange wild rhea	
4	Lagerstroemia indica	Crepe-myrtle	01
5	Grewia optiva	Bhimal, Biul	01
6	Prinsepia utilis	Himalayan cherry	01
7	Rosa indica	Indian rose, Rose, Gulab	05
8	Roylea cinera	Kaudi, Koudi	01
9	Ruscus hypoglossum	Horse tongue lily, Mouse	01
		thorn, Spineless butcher's-	
4.0		broom	
10	Zanthoxylum armatum	Rattan pepper, Winged	01
		prickly ash, Timber, Tirmir	
11	Zizyphus nummularia	Jujube, Wild jujube,	01
4.9		Jhahrberi	
12	Ligustrum obtusifolium	Amur privet, Border privet	01
13	Nerium oleander	Oleander, Kaner	02



CDG INSPECTION LIMITED www.cdginspection.com CIL-12 Issue 01 Rev 00 15 March 2022

Page 7



14	Rosa alba	White rose	02
15	Rosmarinus officinalis	Rosemary	01
16	Buddleja davidii	Butterfly bush, Summer lilac	01
17	Beaucarnea recurvata	Pony tail palm	01
18	Berberis aristate	Barberry, Indian barberry, Kashmal, Sumbal	01
19	Opuntia aurantiaca	Jointed cactus, Jointed prickly pear, Tiger pear	05
20	Opuntia ficus-indica	Barbary fig, Fig opuntia, Indian fig opuntia, Prickly pear	07
21	Nicotiana tabacum	Tobacco plant, Tambaku	10
22	Hibiscus syriacus	Common hibiscus, Rose mallow	03
Grass	es/Herbs	I	1
1	Oxalis corniculatus	Creeping woodsorrel, Sleeping beauty	15
2	Aloe arborescens	Aloe, Ghritkumari	10
3	Mentha spicata	Pudina	12
4	Cynodon dactylon	Bermuda grass	20
5	Chenopodium album	Bathu	05
6	Malva verticilillata	Chinese mallow	02
7	Phylanthus nirusi	Gale of the wind	01
8	Euphorbia heloscopia	Umbrella milk weed	05
9	Trifolium sepens	White clove	02
10	Verbascum Thapsus	Great mallein	05



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List of birds and animals

S. No.	Zoological Name	Common Name
1.	Columba livia	Pigeon
2.	Passer domesticus	Common house sparrow
3.	Acridotheres tristis	Common myna
4.	Corvus splendens	House crow
5.	Psittacula spp.	Parakeet
6.	Coracias caudatus	Lilac breasted roller
7.	Phoenicurus coeruleocephala	Blue capped redstart



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Page 9



8.	Conis lupus	Dog
9.	Bos indicus	Indian cow
1.	Columba livia	Pigeon
2.	Passer domesticus	Common house sparrow
3.	Acridotheres tristis	Common myna
4.	Corvus splendens	House crow
5.	Psittacula spp.	Parakeet
6.	Coracias caudatus	Lilac breasted roller
7.	Phoenicurus coeruleocephala	Blue capped redstart
8.	Conis lupus	Dog
9.	Bos indicus	Indian cow

List of Butterflies found in and around the campus.

S. No.	Zoological Name	Common Name
1.	Vanessa indica	Indian red admiral
2.	Udara dilecta	Himalayan pale hedge blue
3.	Papilio bianor	Common peacock butterfly
4.	Ypthima baldus	Common five ring butterfly
5.	Phalanta phalantha	Common leopard butterfly
6.	Celastrina neglecta	The summer azure

List of Reptiles found in and around the campus

S. No.	Zoological Name	Common Name
1.	Podaris muralis	Common wall lizard
2.	Lampropholis guichenoti	Common garden skink
3.	Paralaudakia himalayana	Himalayan agama
4.	Laudakia tuberculta	Himalayan mountain lizard
5.	Hemidactylus spp.	Common house gecko









Page 11



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LEGEAL REQUIREMENTS

Description	Registration Details
Consent to operate (CTO) from SPCB	NA
Fire NOC	Yes
Water Boring permission	NA
DG Set Permission	NA

GENERAL

General Requirements: Environmental Policies / Environmental Objectives, etc.		
Is there an environmental policy? Is it publicly communicated?	Yes, there is written environmental policy developed by the institute. The organization creates awareness among students, and staff regarding the efficient utilization of available resources, and environment- conscious programs also many seminars, workshops awareness programs are being conducted for the same. Reference doc/pic.: - A1	
Is there a defined waste management policy in the organization?	Yes, there is defined waste management policy in the organization. Reference doc/pic.: - A4	
Are there any quantifiable environmental objectives decided by the organization?	No evidence found at the time of audit.	
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 organizations are aware of all environmental laws concern to different aspect 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/certificate for the environment friendliness.	





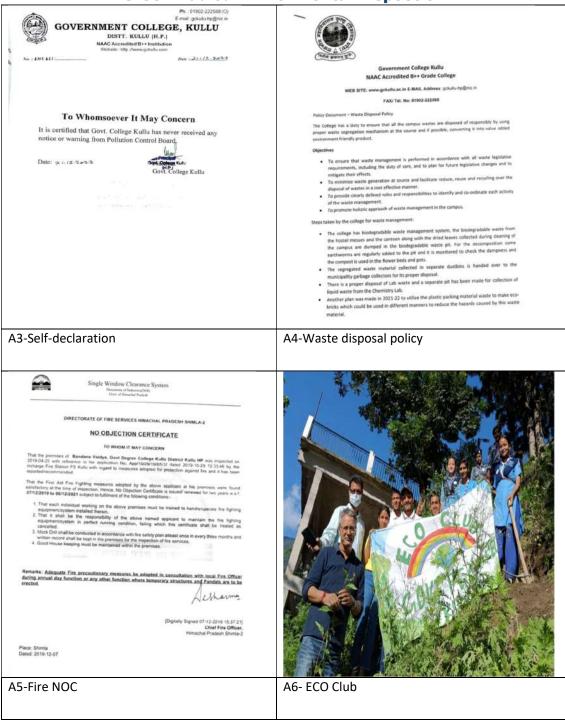
	ronmental inspection
Has the organization established any committee to decide, implement & monitor environmental initiatives?	Yes, the organization established Energy club and eco club to decide, implement & monitor environmental initiatives. Reference doc/pic no.: - A2, A6
Has the institution ever received 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 never received any notice/warming form the pollution control board or any other concerned environment authorities. Reference doc/pic no.: - A3
Related images / documents	
Government College Kullu NAAC Accredited B++ Grade College WEB STR: www.gckotla.ac.in E-MAIL Addeess goodshap@exc.m	Government College Kullu NAAC Accredited 8++ Grade College WEB 31TE: www.gckullus.to.te.4Mil. Address: giclub-r/og(nit.in FAX Tel. Net: 0195-22288
PAXI Tel. No: 1993-222596 Policy Document - Environment Pullcy Objective It is very important that stakeholders understand their responsibility in taking care of the initian's resources for the follow generations. Our objective is not at the sector region of an anti-ring resources for the follow generations. Our objective is not at the sector region at a start of source related to environment at weak heakta had not generations at the sector way and an anti-ring and concerns for one environment. The tacketer of our other testering related to environment and sector environment and environment. The tacketer of our outper version of extendent related to a store sector is servering and environment. The tacketer of our outper version generation of environment and sector is servering and environment. The tacketer of our outper version generation of the related of the sector related of a store related to provide and an environment method and the method way to be stored on the sector of the s	Puticy Document - Energy Efficiency Anlicy Energy Cub Vision and Mission Vision To make the students aware and committed to the cause of energy conservation and environmental protection. Mission To make the students and staff aware of the need, concept and methodology of energy conservation.
 campus and thus positively contribute in environmental sustainability. Context The main content of the present and future generations as total a favourable from and conductive environment is ensured for usafty of the on environmental favourable from and conductive concomments is ensured for usafty of the one environmental favourable from and the one of the environmental favourable from and the one of the intervention of an environmental favourable from and the one of the environmental favourable from environmental favourable from environmental favourable from and the one of the intervention of an environmental favourable from environmental sectors. In this modern age, the environmental department on the station of the environment favourable from environmental intervention and for and the one of the intervention of the environment is an intervention of the environmental favourable from the environment is an intervention of the environment is an intervention of an environmental dependence on environment. Anne who has ability to brank, the servence and the date to industrial resources. Exclusion to an environment, we are not environment, the environmental dependence on environmental environment is untransmittered for an environment is untransmittered for an environment is untransmittered for an environment. In the environmental environmental environment is the providence of the removement is untransmittered for an environment is untransmittered for the environment is untransmittered for environment. Intervention environmental environmental environment is untransmittered for the environment is untransmittered for an environment is untransmittered for the environment is untransmittered for environment is untransmittered for the environment is untransmittered for envintervent is untransmittered for the environm	 and environmental protection and the benefits to individuals and nations as a wheller by regularly organize tasks, seminary, workshape, exhibitions are the college. Steps followed for energy conservation in the college. For minimum end energy by national Soft Photoentaire Parent. Foller parent have been installed and the energy brown taking Soft Photoentaire Parent. Foller parent have been installed and there of task of different buildings to Arist Brick, Lineary Building, Son Hostoentaire Parent. Foller parent have been installed and there of task of different buildings to Arist Brick, Lineary Building, Son Hostoentaire Parent. Foller parent have been installed and there or task of different buildings to Arist Brick, Lineary Building, Son Hostoentaire Parent. Other energy sonder manaures tables includes participal of electric equipment/lights when energy contension and more use of green energy. Other energy sonder manaures tables includes participal or of points in soft soft of energy contension in the decisive the discussion arise of green energy. Parentes anisted to important edge preve energy. Parentes anisted to important edge preve energy. Parentes anisted to important edge preve energy. Other using students about energy contensions on the state task propriate locations for energy contension on the state task propriate location. Touleest are regularly accusive about energy contensions. Parentes anisted to important edge (Energy Four, Steres Dar, Environment Dar energ) that are college to task. competitions are held having themes of environmental statisticability and energy contensions.
A1-Environment policy	A2-Energy club





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Page 14



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Identified Nonconformities

- 1. Absence of established quantifiable environmental objectives within the organization.
- 2. Lack of awareness and compliance with various environmental laws, including [specific laws], impacting different facets of the organization's operations.
- 3. Organization lacks recognition or certificates for environmentally friendly practices.

POLLUTION

Air Pollution Management		
(objective, practices / methods to minimize a	ir pollution)	
Identify the major sources of air pollution within the organization & the actions taken to either eliminate or minimize the pollution.	The major source of air pollution within the organization are vehicle, construction, chemical from laboratories. The action taken by institute to minimized the pollution is Plantation in and around campus. Reference doc/pic no.: - B1, B2.	
HVAC maintenance and calibration records, testing and balancing reports. When was the duct system tested for leakage last?	No written evidence found at time of audit.	
DG set stack emission test as per CPCB norms.	The institute has DG Sets for in-house for power generation, in case of supply failure. DG Set Air Pollution Level, TVOC, and Noise Pollution Checks were conducted by CDG Inspection Ltd. at the time of the audit. Following are the outcomes of the check conducted. DG Set Air Pollution Level: 0.52 PM2.5: ug/m3 Noise Pollution Level: 106.1	
Related documents / images		





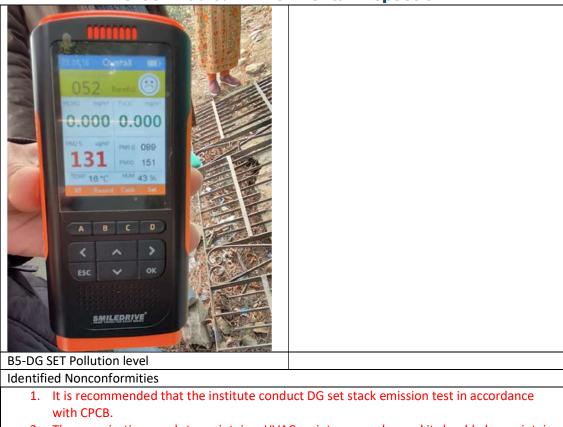






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2. The organization needs to maintain a HVAC maintenance plan and it should also maintain the Periodic record of the same.

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 test to check indoor air quality. Air
Quality check of the campus was conducted by CDG
Inspection
Ltd. at the time of audit.Following are the outcomes of the check conducted.
Indoor Air Pollution Level: 38
PM2.5: 97 ug/m3
Indoor air flow rate: 0.55Reference doc/pic no.: - C1, C2, C8,C9,C10

Page 17



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	vironmentar mspeotion		
Is there a proper system of exhaust of indoor air?	Every classroom, staff room corridor, etc. comprises windows for proper ventilation. Also to maintain the good air quality the institute have installed exhaust fan in laborites. The indoor air flow rate was checked at the time of audit, and the outcome was 0.3 m/s. Reference doc/pic no.: - C3, C14		
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, Material Safety Data Sheets (MSDS)' available for different types of supplies. Reference doc/pic no.: - C13 Yes, storage area separate & ventilated properly. Reference doc/pic.: - C5 		
 Are less or nonhazardous materials used when possible? Does the organization have a defined system to evaluate & find out safer alternatives? Is there a defined procedure available for disposal of used substances? 	 During the audit, changes to safer alternatives for the chemicals used are not feasible due to constraints imposed by the curriculum. No written evidence found at the time of audit. No written evidence found at the time of audit. 		
General Cleanliness:			
 Are rooms dusted and vacuumed thoroughly and regularly? What are related checks & controls? 	 Yes, the classrooms, library, staff room, and other area were found to be clean and tidy at the time of the audit. No related checks and controls found at the time of audit. Reference doc/pic no.: - C6 		
 Does the organization ensure to use of environment-friendly, non-scented cleaning products? 	 No written evidence found at the time of audit. 		



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Pest control methods & products used (check & control).	No evidence found at the time of audit
Does the organization ensure use of low emitting paints, coatings, furniture etc.? What are related checks & controls?	Yes, the organization ensure use of low emitting paints, coatings, furniture. Reference doc/pic no.: - C7
Is there any sign of mold infestation?	Yes, there is sign of mold infestation in the institute. Reference doc/pic.: - C4
Does the organization eliminate any bird or animal nests or droppings near outdoor air intakes?	No, the organization does not eliminate any bird or animal nest or droppings near outdoor air intakes.
What are the methods adopted by the organization to control/prevent dust within the buildings?	There are large number of trees and greenery all around the campus. The organization also close all door and window when the campus is closed also regular maintenance is done. Reference doc/pic no.: - C11, C12

Related records / images





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Page 21









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5. Mold infestation observed during the green audit at Kullu Government College poses a significant environmental concern, requiring immediate remediation to ensure a healthier and sustainable campus environment.

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.	The institute have placed poster in placed to aware student and staff regarding the water usage and maintenance. Reference doc/pic no.: - D3	
Does the institute harvest rainwater? Give details.	Yes, the institute practices rainwater harvesting, with a rainwater harvesting system installed on the campus. However, the institute has not provided details about its rainwater harvesting system.	

Page 23



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	Reference doc/pic no.: - D1
Is there any water recycling system? Give details.	Not Available
Is there any effluent treatment plant in premises? No. of outlets for discharge of effluent?	Not Available
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 of exit of wastewater in the organization.	The campus has a well-functioning water supply system and a closed sewer system outlet. Reference doc/pic no.: - D2
Related records / images	

Related records / images



D1-Rainwater harvesting

D2-Water entry point

Page 24



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You don't Know vits true Worth unter vits gone	
D3- Save water posters	

Water Consumption & Water Efficiency Use of water (indoor and outdoor water) & practices related to efficient /reduced use of water.)			
Sources of water supply	Supply water and boring water.		
Number of water storage tanks and their storage capacity. Total water storage capacity.	Tank=16, water harvesting tanks=02 Total storage capacity= 48000L		
Water used in irrigation	5000L/day		
Water used in cleaning	5000L/day		

Details	No. of persons	Domestic (liter/ day)	Flushing (liter / day)	Total (liter / day)
Students	5232	10464	5000	15464
Teaching Staff	68	150	340	490
Technical Staff	NIL	-	-	-
Non-technical	18	40	90	130
Staff				
Outsourced Staff	38	80	190	270
Total	5356	10734	5620	16354

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	3.05L/head/day

Page 25



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*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	Educational Institutes (non- Residential)			Educational Institutes (Residential)					
	Boys	Boys		Girls		Boys		Girls	
	Req.*	Actual	Req. *	Actual	Req. *	Actual	Req.	Actual	
Water closets	1 per 40		1 per 25		1 for	33	1 for every	40	
	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	68	1 in each	20	
	water		water		water		water		
	closet		closet		closet		closet		
Urinals	1 per 20		-	-	1 for	28	-	0	
	pupils				every 25				
					pupils or				
					part				
					thereof				
Wash basins	1 per 60		1 per 40		1 for	32	1 for every	36	
	pupils,		pupils,		every 8		6 pupils or		
	Min 2		Min 2		pupils or		part		
					part		thereof		
					thereof				
Bath	-	-	-	-	1 for	14	1 for every	12	
					every 8		6 pupils or		
					pupils or		part		
					part		thereof		
					thereof				
Drinking water	1 for		1 for		1 for	25	1 for every	24	
fountains or	every 50		every 50		every 50		50 pupils		
taps	pupils or		pupils or		pupils or		or part		
	part		part		part		thereof		
	thereof		thereof		thereof				
Cleaner's sinks	1 p	er floor, m	inimum			20		19	

*As per IS 1172:1993

Identified Nonconformities		
1.	As per Central Ground Water Authority Guidelines water requirements (Ref. NBC 2016, BIS) of an educational institute for drinking and domestic use, the water data provided by institute is	
	not sufficient.	

NOISE POLLUTION

Page 26



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Noise Pollution Management (objective, practices / methods to minimize noise pollution) The sound audit conducted revealed varying noise levels within the premises. The library recorded 49.5 decibels, while the reading room exhibited 56.5 decibels, and the corridor measured 64.5 decibels. The maximum recorded noise level reached 64 decibels, while the minimum was 58 decibels. The average noise during the audit was influenced by ongoing construction activity and fan noise, resulting in levels that exceeded the permissible limit. In accordance with Noise Pollution Regulation Control Rule 2000, Rule 3(1), the observed daytime noise level of 50 decibels was surpassed. Addressing the sources of noise is crucial to align with regulatory standards.

Noise level in dB(A) Leq	Standard Level*	Actual Level
Day Time	50	Max- 64
		Min-58
Nighttime	40	NA

*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

Page 27



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Page 28



Building Sustainability	
Sunding Sustainusinty	
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. Reference doc/pic no.: - F1, F2
Design for good indoor air quality	Yes, every classroom, staff room, corridor, etc. comprise window for proper ventilation. The institute have installed exhaust fan in laborites and washroom for ventilation. Reference doc/pic no.: - F4,F6
Use of natural daylight in building interiors as a source of ambient light.	Yes, Use of natural daylight in building interiors as a source of ambient light. Reference doc/pic no.: - F1&F4
Use of low emitting materials for building modifications, maintenance, and cleaning.	The organization ensure use of low emitting paints. Reference doc/pic no.: - F5
Related record /Image	
F1-Natural Ventilation	F2-LUX meter reading



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Lighting	
Use of energy efficient lighting system (bulb & other products)	Yes, the college has installed an LED light. Reference doc/pic no.: - G1, G2
Use of natural day light	Yes, there is a use of natural daylight in every classroom, library, garden, and lab.

Page 30



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Reference doc/pic no.: G3 Related record/images G1.LED Lights G2- LED Lights 1 G3- Class room

Green Audit / Environmental Inspection

ILLUMINATION LEVELS AND GLARE INDEX

Sr. No.	Area	Standard Illumination (Lux)*	Actual Illumination (Lux)
a)	Classrooms	300	107

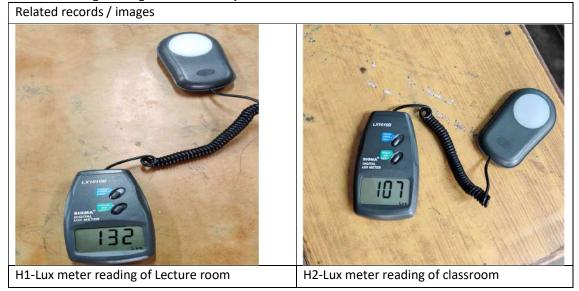


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b)	Lecture rooms (including demonstration areas)	300	107
c)	Reading rooms	150 to 300	132
d)	Laboratories	300	151
e)	Corridors	70	915
f)	Libraries	300	93
g)	Auditorium		81
	I. Hall	70	
	II. Foyer	70	
	III. Stage area	300	
h)	Gymnasiums	150	284
j)	Cafeterias	100	91
K)	Staff rooms	150	919

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





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Electrical Equipment's	
Details of electrical equipment, its energy	The organization uses energy-efficient
efficiency & practices	electrical equipment such as CFL bulbs.
efficiency & practices	electrical equipment such as CFL bulbs.

ELECTRICITY CONSUMPTION

Month	Electricity Consumption (Last 6 months)
May	216
June	252
July	99
August	385
September	262
October	699





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Green Audit / Environmental Inspection



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Page 34



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Current energy uses.	Energy Sources	Consumption (Unit)
	Electricity	318
	Fuel oil	Not available
Short-term energy efficiency goals & roadmap to achieve those goals.	 efficiency goals: Use the 'OFF' sw mode of equipm Switch off lights when not in use. Utilize team of Energy Conserva college activities through process minds. Co-ordinate with concerned level practices among 	s, heater and other equipment's Energy Club to spread awareness on tion and organize inter and intra to boost innovative thoughts of Energy Conservation in young a government departments of all and with other colleges, share



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Long-term energy efficiency goals & roadmap to achieve those goals.	 The organization have established following long- term energy goals: Use of Motion sensors/ Times for lighting systems. Use of more solar plants on Rooftop of Girls hostel. The process is in the pipeline. Purchase of BLDC Fan whenever replacement of ceiling is required which consumes 50%. less energy as compared to conventional fans. Do maintenance of solar water heater systems at the earliest. Check for BEE star level before purchasing all kind of equipment.

On-Site Energy Generation

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

The institute have installed solar panel which generate energy as following:

- 1. Solar plant at arts block -28 kWp
- 2. Solar plant at boys hostel 5 kWp
- 3. Solar plant at library & science block -11 kWp

These installations not only underscore the institution's commitment to reducing its carbon footprint but also contribute significantly to the overall green energy landscape. Harnessing solar power across various campus facilities demonstrates a proactive approach in fostering environmental responsibility and sustainable energy solutions.

Related records / images

Page 36







DRINKING WATER

Drinking Water Quality

(As per IS 10500: 2012)

No records of drinking water quality test conducted by the institute.

Water pH level is measure by CDG inspection at the time of audit. The pH of the water measured during the inspection is 6.7 which is safe for use.

Reference pic/doc no.

Related records / images



pH Test

Page 37



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WASTE MANAGEMENT

Type of waste - Plastic waste

Approximate annual quantity- 30 Kg (approx.)

Source of waste - Packet food,

Handling methods: Segregate different type of waste

Measures to reduce the waste quantity- Using less plastics, Type of waste – Paper waste

Approximate annual quantity- 500 Kg (approx.)

Source of waste – paper cup & plates

Handling methods- Handling to Municipal for recycling

Measures to reduce the waste quantity- Emphasis on the online/electronic communication.

Type of waste – Electronic waste

Approximate annual quantity- 10 Kg (approx.)

Source of waste - Computer and parts of computer

Handling methods- Handle by municipal cooperation

Measures to reduce the waste quantity- Organization use inbuild UPS System Type of waste – Hazardous waste

Approximate annual quantity- 5 Liter (approx.)

Source of waste – Chemical laborites

Handling methods- Waste pit, Soak pit

Page 38



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Green Audit / Environmental Inspection		
Measures to reduce the waste quantity- Organization conduct group practical		
Type of waste – Garden waste		
Approximate annual quantity- 100 Kg (approx.)		
Source of worth Trac grades		
Source of waste – Tree, grasses		
Handling methods- Vermicompost		
Measures to reduce the waste quantity- Weeds are dispose at young age.		
Type of waste – Food waste		
Type of waste – rood waste		
Approximate annual quantity- 150 Kg (approx.)		
Source of waste – Canteen, Hospital.		
Handling methods- Vermicompost, feeding to cows.		
Measures to reduce the waste quantity-		
 Providing awareness through slogan and posters. 		
• Fromuling awareness through slogan and posters.		
Observations:		
1. There are no records found for hazardous waste, Plastic waste, electronics waste		
management.		

COMPOSTING PLANT

How much organic waste is generated in a day? What type of organic waste is generated?	2 Kg/day organic waste is generated in a day. The type of organic waste generated are paper, branches, grass, and food.
Details & capacity of compost plan installed in the organization.	No, record found at the time of audit.

Page 39



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Details of composting method used	Vermicompost is the composting method used by the institute
Compost facility maintenance & inspection plan	No, record found at the time of audit.
Vermicompost Pit	

Identified Nonconformities

1. The organization's compost plant lacks comprehensive details and capacity information, hindering effective planning and management and also the organization has not established a structured maintenance and inspection plan for the compost facility, posing a risk to its efficient and sustainable operation.

RAINWATER HARVESTING

Provide details of the rainwater harvesting facility.	No, record found at the time of audit.
Rainwater harvesting system maintenance plan	No, record found at the time of audit.

Identified Nonconformities

1. The organization's rainwater harvesting facility lacks comprehensive details, impeding effective understanding and management of the system. Objective Evidence: Absence of documented information such as system specifications, capacity, design parameters, and other relevant details for the rainwater harvesting facility and the organization has not established a structured maintenance plan for the rainwater harvesting system, posing a risk to its optimal functionality and sustainability.

Training

Page 40

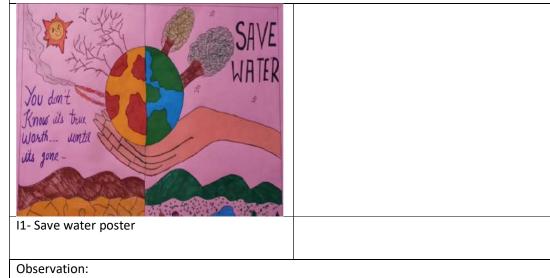


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Has the organization provided waste management/handling training to concerned employees. Give details.	No, record found at the time of audit.
Has the organization provided training for energy saving?	No, record found at the time of audit.
Has the organization conducted training for solid waste management?	No, record found at the time of audit.
Has the organization conducted awareness training for water saving?	Yes, the institute has conducted awareness training for water saving. Reference doc/pic no.: - I1

Related records/Image



- 1. The organization does not maintain any record regarding waste management/handling, energy saving and solid waste management training program.
- 2. The organization does not provide training for energy saving.
- 3. The organization does not conduct training fpr solid waste management.

Environmental Practices	
Waste recycling	Yes, the institute practice paper waste recycling, garden waste is decomposed and used as a fertilizer for plant and tree.
Waste Decomposition	Yes, the institute have installed vermicompost.



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in the campus. Environmentally Preferable Purchasing (EPP) or Green Purchasing Distinct receptacles for trash and recycling Low-emission transportation maximum use of clean energy Preference to electronics over the paper Preference to electronics over the paper Campus garden Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Distruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction Prestruction		onmental inspection
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Campus garden Yes, there is a campus garden.	Preference to electronics over the paper	Preference to electronics over the paper is 60
Campus garden Yes, there is a campus garden.		
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सूखा कचरा कचरा कचरा	Campus garden	Yes, there is a campus garden.
J1- Dustbins for wet and dry waste	सूखा कचरा गीला	
•	J1- Dustbins for wet and dry waste	

Environmental Initiatives / Green Initiatives

The organization has undertaken several commendable environmental initiatives, showcasing a strong commitment to sustainability. The NSS-Swatch Abhiyan promotes cleanliness, encouraging a cleaner environment. The Green Campus initiative focuses on creating an eco-friendly atmosphere, integrating sustainable practices into daily operations. Waste segregation is actively

Page 42



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practiced, minimizing environmental impact through responsible disposal. Additionally, the organization conducts awareness programs, educating teacher and staff about the importance of environmental preservation. These initiatives collectively contribute to a holistic approach, fostering a greener, more sustainable future.



Name of auditor: Ashutosh Tiwari

Signature:

Ashutosh tiwar

Page 43



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