

Government Shivalik College Naya Nangal




7.1.2 The institution has facilities and initiatives for


1. Alternate sources of Energy and energy conservation measures.
2. Management of the various types of Degradable and non-degradable waste.
3. Water conservation.
4. Green campus initiatives.
5. Disabled- friendly Barrier free environment.

Alternate sources of Energy and energy conservation measures.

Under the aegis of IQAC following measures were undertaken

1. Energy Audit policy
2. Solar Panel
3. LED Bulbs
4. Energy Audit <https://gcnayanangal.com/NAAC/other/NAAC-point-7/>


IQAC/NAAC
Co-ordinator
Govt. Shivalik College
Naya Nangal


Principal,
Govt. Shivalik College
Naya Nangal-140126

Energy Policies & Guidelines

Introduction: - Conservation of energy and environment is of paramount importance for sustainability. Govt. Shivalik College endorses the fact that a policy of environment and energy usage can amply contribute towards conservation of environment through efficient use of energy and thereby serve the cause of man and environment in a committed way.

OBJECTIVES: -


1. To maintain an eco-friendly environment;
2. Minimize consumption of energy in the college campus;
3. To use alternative source of energy;
4. To create awareness in stakeholders and public about sustainable use of energy.

Energy Policy

A key component of the Govt. Shivalik College Naya Nangal, Sustainability Program is energy conservation. Listed below are several guidelines that are intended to manage and reduce energy consumption on all college campus. These guidelines should be followed by all faculty, staff, administration, and students. The Energy Usage Policy of college is to manage energy in such a systematic way to minimize its impact on the environment. It will help us to embed efficiency and environmental awareness into our everyday activities, thus helping us to realize our responsibilities and commitment to conservation of natural resources and to limit its usage.

Policies:

- To assess source energy usage and measure its impact on the environment.
- To reduce local air pollution emissions using environment-friendly vehicles, including bicycles, public transportation and use of pedestrian-friendly roads.
- To install photovoltaic solar panels for the generation of alternate energy.
- To install LED bulbs in the whole campus to save energy.
- To develop systematic waste management mechanism.
- To develop rainwater harvesting unit.
- To undertake tree plantation drive.
- To take additional measures to continuously improve our energy consumption.
- To ensure the availability of necessary resources to achieve our objectives.
- To monitor and respond to emerging environmental and energy issues. To strengthen our employees' and students' environmental knowledge and skills to improve our own environmental performance.
- To provide information and training opportunities on energy saving measures.


 IQAC/NAAC
 Co-ordinator
 Govt. Shivalik College
 Naya Nangal

Energy Policies & Guidelines

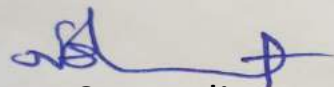
Occupant Responsibilities:

- Turn off lights when leaving a room.
- Turn off computer at the end of the day.
- Keep copiers & printer's machines on standby when not in use.
- Adhere to temperature set points.
- Keep windows closed when air system is on.
- Keep building doors closed when air system is on.

Facilities Management Practices:

- Purchase energy star compliant equipment whenever possible.
- Incorporate renewable energy into projects whenever possible.
- Schedulers of classes, meetings, and other campus activities endeavor to minimize energy use.
- Windows and doors should be kept closed when the heat and air conditioning system is operating.
- Energy saving fixtures, lamps, and bulbs are used to replace existing less efficient lighting whenever feasible.
- Occupancy/Motion Sensors to control lighting installed wherever feasible.

This policy will be communicated to the students and employees via internal communication channels and will be made available on the institutional website. The Energy Policy, objectives and targets will be reviewed on a regular basis by Review of this policy document shall be done by a committee chaired by Principal Chairman IQAC of the College, Energy Committee Convener. The other members of the committee shall nominate by the IQAC under the guidance of the principal of the college.


 NAAC coordinator


 Principal
 Govt. Shivalik College
 Naya Nangal-140126


 Principal,
 Govt. Shivalik College
 Naya Nangal-140126

Action taken report on "ENERGY AUDIT"

1. Installation of "SOLAR PANEL" in college

Translated copy send to PEDa

Ph: 01887-220643(0)

E-mail: peda@punjab.gov.in

Office of Principal, Government Shivalik College, Naya Nangal-140126
Chief Executive,

PUNJAB ENERGY DEVELOPMENT AGENCY,
SOLAR PASSIVE COMPLEX,
PLOT NO. 1-2, SECTOR 33-D,
CHANDIGARH (U.T.)-160034

Memo No: 2022/1118

DATE: 12/11/2022

E-Mail: peda.apa@punjab.gov.in

SUBJECT: To start the Work of SOLAR PANEL in College through (PEDA) PUNJAB ENERGY DEVELOPMENT AGENCY

To :- Letter No. 7154, Date : 07/11/2022

Through your above letter No: 7154, dated: 07/11/2022, this college has received the following estimates. The work of the received estimate should be started immediately and the entire amount of Rs.14,83,1510 is being sent

Sr. no.	Letter no. and dated	Site location	Capacity (that can be installed as per sanctioned grant)	Estimated project cost including 5 year AMC (in Rs.)	PEDA service charges @ 5% (in Rs.)	Total project cost including PEDA service charges (in Rs.)
1	7154/7-11-2022	Govt Shivalik College Naya Nangal	30 KW	14,13,000/-	70,650/-	14,83,650/-

Amount as per upper details

BENEFICIARY NAME: PUNJAB ENERGY DEVELOPMENT AGENCY

BANK NAME - IDBI BANK

A/C NO: 272104000015996

IFSC CODE :IBKL0000272

AMOUNT :14,83,650/-

(Naac Coordinator)

Principal
Govt. Shivalik College
Naya Nangal (Punjab)

PUNJAB ENERGY DEVELOPMENT AGENCY
(A Punjab Govt. Undertaking)

No. : 7154
Dated : 7/11/22

1163
10/11/2022

Principal
Govt. Shivalik College,
Naya Nangal, Punjab
Email: govtshivalik@gmail.com

Subject: Setting up of Solar Power Plant at Govt. Shivalik College, Naya Nangal.

Sr,

This is with reference to your request on the subject mentioned above, it is informed that the estimated cost of Design, Manufacturing, Supply, Erection, Testing and Commissioning including Warranty & Maintenance for 5-years for setting up of solar power plant is detailed as under:

Sr.No.	Site/Location	Capacity (that can be installed as per sanctioned grant)	Estimated Project Cost including 5-year AMC (in Rs.)	PEDA Service Charges @ 5% (in Rs.)	Total Project Cost including PEDA service charges (in Rs.)
1	Govt. Shivalik College Naya Nangal (Block-2)	30 kW	14,13,000/-	70,650/-	14,83,650/-

The Plant will be installed as per MNRE, GOI guidelines, the details of material of SPV System is attached.

Further, it is informed as under:-

1. Work of the plant will be completed within the period of 90 days from the handing over of the site to the EPC company.
2. 100% payment will be taken as advance before placing the work order.
3. No separate Performa Invoice for deposited payment shall be issued.
4. The rates quoted are including 5-year AMC of the plant.
5. No incentive is available from MNRE, GOI for rooftop solar power plants.
6. These plants are Grid Connected Systems and working after synchronization with the Grid. At the time of power failure, these plants cannot produce the power as there is no battery backup.

The Bank Details of PEDa are as under:
Name: Punjab Energy Development Agency
Bank Name: IDBI Bank
A/c No: 272104000015996
IFSC Code: IBKL0000272

This is for your kind information please.

Senior Manager

Enc: As Above

SOLAR PASSIVE COMPLEX
PLOT NO. 1-2, SECTOR 33-D, CHANDIGARH (U.T.) - 160 034 Tel. : 0172-2663328, 2663382
Fax : 0172-2662965 Website : <http://www.peda.gov.in>

PEDA - WORKING TOWARDS A SUSTAINABLE ENERGY FUTURE

Proposal send to PEDa

Estimated cost of setting up Solar Panel by PEDa to college

about:blank

TO BE PAID THROUGH SYSTEM ONLY

PFMS Generated Print Payment Advice

Approved Date in PFMS: 15 Nov 2022	Payment Advice No.: C112215858777
Issue Date of PPA PFMS: 25 Nov 2022	Advice Print Date: 15 Nov 2022
	TAN No.: PTLG13924B
Note: Branches should process PPAs through "PFMS Module" under Government Business in SAS package.	
Bank For Branch: Canara Bank Branches should process PPAs through "PFMS Module" under Government Business in SAS package.	
Bank No: 1582016 (dt: 17th August 2016)	
Branch: Canara Bank GBM	PFMS
Branch Details: gbndtdel@canarabank.com	del@del@pfms.gov.in
Phone: 01123382161	011-23343860

To: The Branch Head

CANARA BANK
MUMBAI

We authorize the bank to debit our undormoted account maintained with the bank with batch amount and credit the beneficiary(ies) [#1] as per ANNEXURE-1 uploaded to bank's central system through PFMS O/o CGA.

Bank Account No. 110003785611
Total Amount of Debit : Rs 1483650.00
(Amount in words : Fourteen Lakhs Eighty-Three Thousand Six Hundred Fifty)
Batch No. C112215858777

Agency Seal

Sign by Authorized Signatory)

Name - Nikhil Kumar
Designation - Coordinator
Mobile No - 9501410500

Dr. Shivshankar College Nava
(MUSA Pawan)
Principal

(Sign by Authorized Signatory)

Name - Renu Arora
Designation - Principal
Mobile No - 9876046841

PRINCIPAL GOVTSHIVALIK COLLEGE

Ref Account No. 110003785611 / Payment Advice Number C112215858777

We confirm having received the captioned advice of credit(s) for payment today for further processing as per arrangement of bank on integrated PFMS Bank payment system.

No. Of Beneficiaries : 1
Amount (in Rs.): 1483650.00

Branch & Time :
CANARA BANK
Branch Authorized Official



Agree to enter date of delivery in PFMS using option [] Payment => PPA Submission Status

ANNEXURE-1

(All page to be stamped and initial and last page to be signed in FULL with stamp)

Payment Advice No.: C112215858777

Sr.No.	Name of Beneficiary	PFMS Txn ID	Account Number	IFSC/IN/MICR	Aadhaar	Amount(In Rs.)
1	PUNJAB ENERGY DEVELOPMENT AGENCY	C112215858678	XXXXXXXXXXXX5996	IBKL0000272		1483650.00
Total Amount(Rs)						1483650.00

Please acknowledge and do the needful as prescribed by bank to complete transactions.



2. Management of the various types of Degradable and non-degradable waste.

1. Management of non-degradable waste.

2. Management of degradable waste.




Management of non-degradable waste.


Municipality vehicles helps in garbage collection and maintaining the cleanliness of the college.



3. Water conservation.

1. Rain Water Harvesting and conservation
2. Water Conservation Through “BOREWELL”
3. Reuse of Waste water of drinking water cooler


IQAC/NAAC
Co-ordinator
Govt. Shivalik College
Naya Nangal


Principal,
Govt. Shivalik College
Naya Nangal-140126

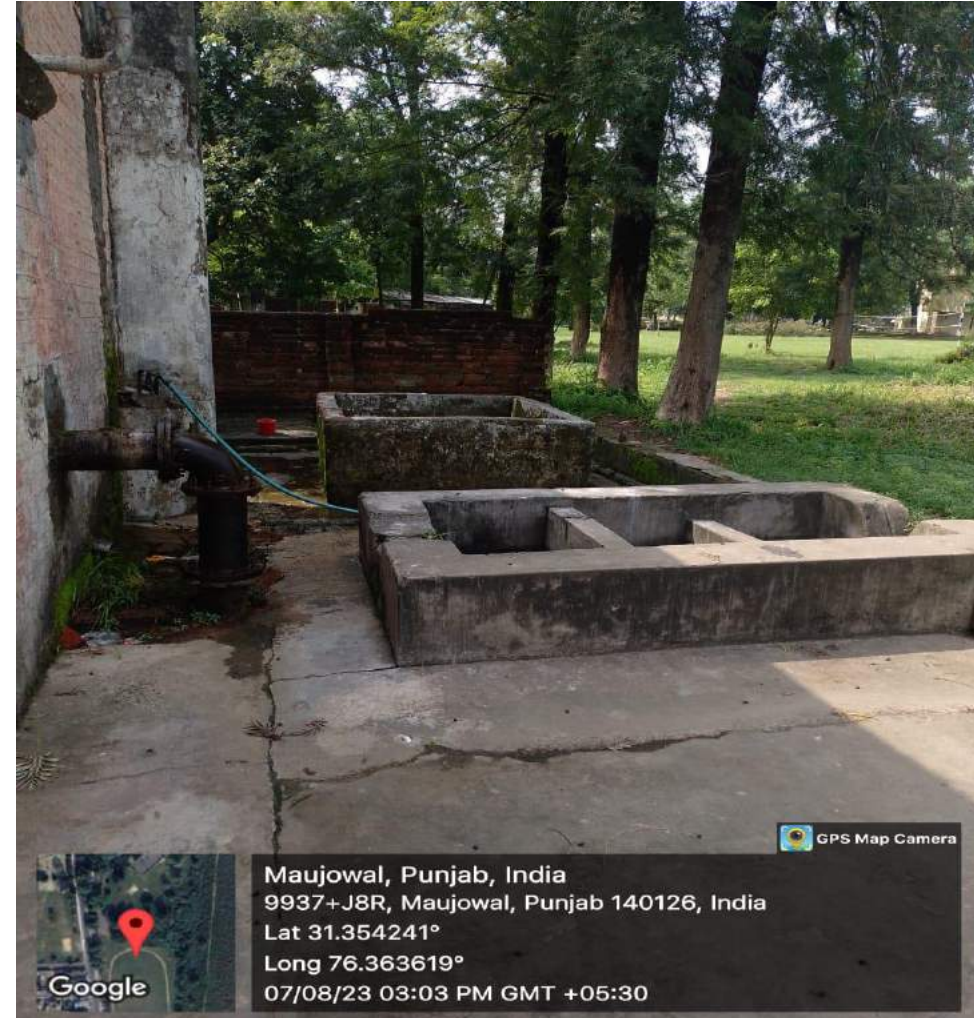
1. Rain Water Harvesting and conservation

One of medium of harvesting rainwater is providing the incoming rainwater directly to the ground. This will increase the ground water level of the location and also helps in achieving the ground water at same or at less level than the existing level. Rain water is collected in a tank in botanical garden and used to water the plants.



2. Water Conservation Through “BOREWELL”

Our college has very good water management to support all our water needs. The ground water is circulated to all overhead tanks using borewells.



3. Reuse of Waste water of drinking water cooler

The waste water is discharged from water coolers. But the drainage of this waste water is used to harvesting the garden area of college.



4. Green campus initiatives.


1. Green Audit Policy.

2. Tree Plantation.

3. Swachh Bharat Abhiyan.

4. EcoClub Activities <https://gcnayanangal.com/downloads/NAAC/eco-club/report-env-day-2022-23.pdf>

5. Green Audit Report [Green Audit Report](#)


IQAC/NAAC
Co-ordinator
Govt. Shivalik College
Naya Nangal


Principal,
Govt. Shivalik College
Naya Nangal-140126

Ph.: 01887-220643(O)

E-mail:

gcnayanangal@gmail.com

ਦਫਤਰ ਪ੍ਰਿੰਸੀਪਲ, ਸਰਕਾਰੀ ਸ਼ਿਵਾਲਿਕ ਕਾਲਜ, ਨਵਾ ਨੰਗਲ-140126

Office of Principal, Govt. Shivalik College, Naya Nangal-140126

GREEN AUDIT POLICY

The objective of Green Audit is to analyze the environmental practices such as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity within the college campus, which will have an impact on the eco-friendly ambience. It was initiated with the motive of inspecting the work conducted within the organizations whose exercises can cause risk to the health of inhabitants and the environment. Through Green Audit, one gets a direction as how to improve the condition of environment and there are various factors that have determined the growth of carrying out Green Audit.

The institution is committed to conservation of biodiversity with focus on green concepts including water conservation, alternate sources of energy, solid waste management and vermicomposting.


GENERAL AND SPECIFIC OBJECTIVES OF GREEN AUDITING

The general objective of green audit is to prepare a baseline report on biodiversity and other resources, measures to mitigate resource wastage and improve resource quality and sustainable practices in the college premises.

The specific objectives are

1. To prepare a checklist of flora and fauna diversity in the college premises.
2. To suggest imperative measures to improve biodiversity within the college campus.
3. To monitor the energy consumption pattern of the college.
4. To assess the quantity of water usage within the college campus.
5. To suggest sustainable energy usage and water conservation practices.
6. To find out various sources of organic and solid waste generation and mitigation possibilities.
7. To inculcate values of sustainable development practices through green audit mechanism.




IQAC/NAAC
Co-ordinator
Govt. Shivalik College
Naya Nangal

GREEN AUDIT POLICY

Administrative department staff & students of GOVT. SHIVALIK COLLEGE NAYA NANGAL is committed to carrying out the following activity for sustainable development within the college premises.


1. To Use Solar Energy
2. To sensitize the students and staff on judicious use of water as it is a precious resource.
3. To maximize the use of ICT and minimize the use of paper. It will help to go towards Paperless Office.
4. To use the solid waste through vermicomposting on the campus and use it as a fertilizer.
5. To reduce the sound pollution in the campus
6. To protect and nurture the Flora and Fauna on the campus
7. To maintain green campus.
8. To motivate the use of Bicycle / battery powered vehicles
9. To ban plastic usage.

CONSTITUTION FOR GREEN AUDIT

The Green Audit is carried out as per the environmental policy of the IADC-A and Green audit checklist. The objective of the audit is to check the existing practices and provide advice for the development of environmental policy and practice in the areas of:

- Waste Management - Solid waste management and E-waste management
- Water conservation and management
- Tree plantations
- Bio-diversity and threatened/ endangered species preservation
- Energy use and conservation
- Eco-friendly campus
- Green environment and clean campus


Principal
Govt Shivalik College
Naya Nangal-140126


Principal,
Govt. Shivalik College
Naya Nangal-140126

Continious Tree Plantation Activities

1. Tree plantation is the regular activity of the college and contributes to the beautification of environment. Our college is celebrated VAN MOHATSAV every year.



Year 2018-19



Year 2019-20



Year 2020-21

Continious Tree Plantation Activities

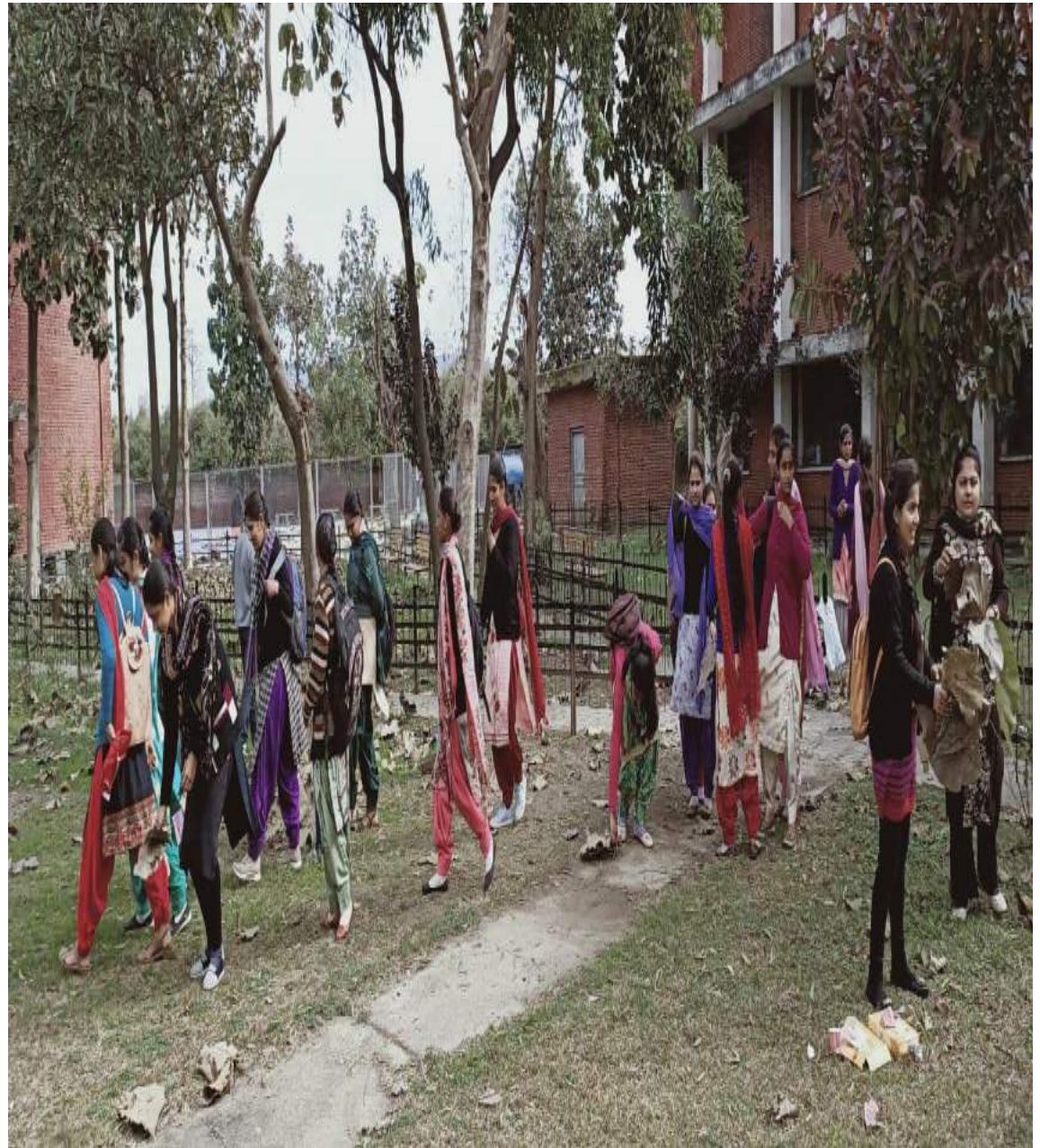


Year 2021-22



Year 2022-23







Eco Club Activities



Poster Making competition on Environment Day



Poster making competition on topic Clean and Save environment



Disabled- friendly Barrier free environment.

1. Wheel chair Facility.

2. Disabled friendly path and Ramp.

3. Disabled friendly Washrooms.



IQAC/NAAC
Co-ordinatar
Govt. Shivlik Collge
Naya Nangal



Principal,
Govt. Shivalik College
Naya Nangal-140126



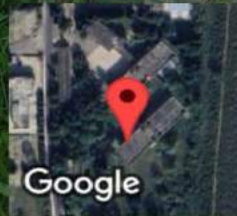
GPS Map Camera



Maujowal, Punjab, India
9947+45Q, Maujowal, Punjab 140126, India
Lat 31.355495°
Long 76.363683°
29/08/23 02:47 PM GMT +05:30



GPS Map Camera



Maujowal, Punjab, India
9947+45Q, Maujowal, Punjab 140126, India
Lat 31.355495°
Long 76.363683°
07/08/23 03:07 PM GMT +05:30

Disabled Friendly Ramp



 **GPS Map Camera**



Maujowal, Punjab, India
9947+JHP, Maujowal, Punjab 140126, India
Lat 31.355826°
Long 76.363697°
06/10/23 10:19 AM GMT +05:30

