

Format - Green and Clean Campus Award – 2021-22

Agricultural University Registration

General

Name of Agricultural University : Agricultural University in a dropdown
Address :
Date of Submission :
Onboarded NAHEP through : Drop down with options: Call 1, Call 2, Call 3 and Call 4
Partnering as : Radio Button with options: IDP, CAAST and IG

Budget Details (in Rs Lakhs)

1. Sanctioned amount: Rs
2. Cumulative Release (till March 2022): Rs
3. Cumulative Utilization (till March 2022) : Rs
4. Utilization as % of release (as per the IUFRR for quarter ending 31 March 2022)
[=> 50.00%]:
5. University Annual Budget (2021-2022):

Campus for which the Award is applied:

Accreditation Status of campus with date of validity of accreditation: Upload accreditation letter as proof:

PI Details

Name of PI :
Email Address :
Confirm Email Address :
Mobile Number of PI

Nodal Officer Details

Name of Environment Nodal Officer under NAHEP:
Email Address :
Mobile Number of ENO :

Environment Safeguards Compliance (70 marks)

i. Acts and legal compliances : Approvals/ authorisation received from Pollution Control Board/statutory bodies

i. Acts and legal compliances : Approvals/ authorisation received from Pollution Control Board/statutory bodies

| Name of Legal Compliance | List legal compliances committed (auto populated) | List legal compliances completed (Two radio button or checkbox) | Document Proof |
|--------------------------|---|---|----------------|
| Legal Compliance A1 | | yes/no | |
| Legal Compliance A2 | | yes/no | |
| Legal Compliance A3 | | yes/no | |
| Legal Compliance A4 | | yes/no | |
| Legal Compliance A5 | | yes/no | |
| Legal Compliance A6 | | yes/no | |
| Legal Compliance A7 | | yes/no | |

ii. Green Campus Status (in ha)

Marks:100

- a.** Geographical area:
- b.** Cultivated area:
- c.** Campus land use:

- i. Agro-forestry:
 - ii. Botanical garden: year of establishment
 - iii. Bulk crop :
 - iv. Compact Forest : year of establishment
 - v. Demonstration :
 - vi. Germplasm :
 - vii. Lawns:
 - viii. Orchard: year of establishment
 - ix. Play grounds:
 - x. Research:
 - xi. Roads and buildings:
 - xii. Seed Production :

xiii. Water bodies (dams, lakes, ponds, etc.):

xiv. Any other (specify):

iii. ¹New Plantation Details (< 10 years) (40 marks):

| Year | Number of Saplings | | | New plantation area (ha) | Survival percentage (%) |
|-----------|--------------------|----------------|-------|--------------------------|-------------------------|
| | Replacement | New plantation | Total | | |
| 2012-2017 | | | | | |
| 2018 | | | | | |
| 2019 | | | | | |
| 2020 | | | | | |
| 2021 | | | | | |
| Total | | | | | Average: |

iv. Profile of the trees (> 10 years) in campus as entered in the register:

a. Avenue trees:

| Details of the trees as per the tree register | | | | |
|--|---------|-------------------|-----------------|-----------------------|
| Total number of trees: | | | | |
| Number of species: | | | | |
| S.No | Species | Exotic/Indigenous | Number of Trees | Approximate Area (ha) |
| | | | | |
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| | | | | |
| | | Total | | |

¹ It should be verifiable by the committee if it chooses for onsite visit in person; don't include shrubs/ herbs and periodically harvestable agro forestry); please provide the certified first page copies of the last five years' register.

* Provide as a list (table).

b. Botanical garden: Year of establishment

| Details of the trees as per the tree register | | | |
|--|---------|-------------------|-----------------|
| Total number of trees: | | | |
| Number of species: | | | |
| S.No | Species | Exotic/Indigenous | Number of Trees |
| | | | |
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b. Compact forest - Year of establishment

| Details of the trees as per the tree register | | | |
|--|---------|-------------------|-----------------|
| Total number of trees: | | | |
| Number of species: | | | |
| S.No | Species | Exotic/Indigenous | Number of Trees |
| | | | |
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Tree Register Parameters: (compulsory to upload proofs)

| Register Parameter | Yes/ No |
|---------------------------|----------------|
| Location | |
| Coding | |
| Age | |
| Genus | |
| Species | |
| Family | |
| Common names | |
| Local Names | |
| Girth/size | |
| State of the tree | |

Tree management: (compulsory to upload proofs)

| Management (1 marks each) | Yes/ No |
|----------------------------------|----------------|
| Tree advisory committee | |
| Campus tree care plan | |
| Tree expenditure / budget | |
| Tree labelling | |
| Periodical pruning | |

ICT Applications in tree inventory management (compulsory to upload proofs):

(5 marks)-

| ICT Applications | Yes/ No |
|---|----------------|
| Trees inventory management | |
| Trees history barcode (Mapping)/ QR Code (Tree history) | |

| | |
|-------------------------------------|--|
| Trees health | |
| Tree tracing (Geo Mapping) | |
| Any other (If checked add text box) | |

Waste Management - 100 Marks

Residential Waste :

Campus population:

- a. Residential Quarters:
- b. Hostels:
- c. Floating (guest houses, farmers hostel, etc):

Source & quantity of waste managed for 3 months (kgs) (2021- 22): 30 Marks

| Source | Quantity | | | | | |
|---------------------|-----------|------------|-----|---------|-----|----------|
| | Collected | Segregated | | Treated | | Disposal |
| | | Dry | Wet | Dry | Wet | |
| Residential quarter | | | | | | |
| Hostels | | | | | | |
| Canteens | | | | | | |
| Total | | | | | | |

Lab Waste (25 Marks):

| Laboratories | Collected | Segregated |
|--------------|-----------|------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | |

Is waste treated? : Y/ N

If yes :- 1 . Authorized Agency :

Name of the Agency :

Contact :

Upload the Documents of agency

2 Incinerator at campus :

Upload the document of incinerator

Management:

1. Solid waste collected in authorized bags : Upload the photo
2. Separate Channel/ container for liquid waste : ”
3. Following the Autoclave norms and details are recoded in log book : ”
4. Maintenance of record book for waste management : ”
5. Training to staff on handling the waste management : ”

Veterinary bio-medical waste:

Marks: 25

Number of animals hospitalized

Number of Animals

| Source | Collected | Segregated |
|--------------|-----------|------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | |

Is waste treated? : Y/ N

If yes :- 1 . Authorized Agency :

Name of the Agency :

Upload the Documents of agency

Contact num :

2. Incinerator at campus :

Upload the document of incinerator

Management: (5 Marks)

1. Waste collected and segregated as per the colour codes (by CPCB: Upload the photo)
2. Safe, ventilated & segregated location for storage of waste
3. Following the autoclave norms and details are recorded in log book: ”
4. Maintaining the record book for waste management: ”
5. Training to staff on handling the waste management: ”

| Source | Quantity | | | | | |
|---------|-----------|------------|-----|---------|-----|----------|
| | Collected | Segregated | | Treated | | Disposed |
| | | Dry | Wet | Dry | Wet | |
| Another | | | | | | |

5. E-waste: (10 marks)

1. Maintenance of the waste register (certified first page as proof)

| | |
|----------------|--|
| <i>Period</i> | |
| <i>5 years</i> | |
| <i>4 years</i> | |
| <i>3 years</i> | |
| <i>2 years</i> | |
| <i>1 year</i> | |

2. Disposal to an authorised agency

Is waste disposed? : **Y/N**

If yes :- 1 . Authorized Agency :

Name of the Agency :

Upload the Documents of agency

Contact number :

6. Plastic Reduction or Plastic Free Campus.

a. Reduce:

- Campus plastic use & procurement policy
- Beverage/milk/food items vending machines
- Fountains / hydration stations
- Vocal for local

Multiple Uploads: Notifications/ circular/ order/ photos

b. Reuse:

- Single use into multiple uses (Carry own shopping (cloth/reusable) bags & refillable bottles)
- Buy/sell in bulk
- Biodegradable bags
- Glass/metal/wood material as substitutes

Multiple Uploads: Notifications/ circular/ order/ photos

c. Recycle:

- Linear to circular economy
- Campus plastic recycle drop off location

Multiple Uploads: Notifications/ circular/ order/ photos

d. Refuse (Non-use):

- Artificial flowers
- Plastic folders
- Styrofoam material - Straw and plastic cups
- Bag for easy-to-carry purchases

Multiple Uploads: Notifications/ circular/ order/ photos

e. Repurpose:

- Plastic waste management
- Diversion - craft / decorative items

Multiple Uploads: Notifications/ circular/ order/ photos

6. Any other innovative initiative developed/adopted/used for waste management in the campus (5 marks)

a. Have you taken any innovative initiative for waste management in the campus- Upload Proof: **Yes or No**

a. Did the innovation recognized by public agency- Upload Proof: **Yes or No**
If Yes

- *International*
- *National*
- *State*
- *District*

Any prize awarded by the above agency?- Upload Proof: **Radio Button with options: Yes or No**
If Yes

- *1st Place*
- *2st Place*
- *3st Place*
- *Consolation*

a. Impact due to the innovation: Upload Proof:

- **Reduction in waste**
- **Extent of recycle**
- **Reduction in cost**
- **Generation of revenue**

Water Management**Marks: 100**

| Source | Consumption in last 3 months (1000 Litres) |
|-----------------------------------|--|
| Residents | |
| Hostels | |
| College | |
| Guest House | |
| Hospitals | |
| Others (Non-Agricultural purpose) | |
| Total Consumption | |

- v. Extent of use of low flow fixtures in the campus (e.g.: taps with sensors and atomized nozzles; high efficient toilet flush, energy efficient pump sets, etc). *Give the quantity of water (in litres) saved due to these appliances with evidences (10 marks)*
- Use of Low flow fixtures
 - Taps with Sensors
 - High efficient toilet flush
 - Energy efficient pump sets
 - Any other
- vi. Campus waste water collection, treatment and reuse in last three months (in ‘000 litres) (30 marks):
- Quantity collected:
 - Quantity treated:
 - Quantity of treated water reused:
- vii. Water harvested during last year (July 2020 to June 2021) (‘000 litres) (60 marks):

| Method | Capacity created | Period (July 2020 to June 2021) | | |
|------------------|------------------|---------------------------------|-------------|----------------------|
| | | Quantity collected | Utilization | Area benefitted (ha) |
| Rooftop | | | | |
| Farm pond | | | | |
| Percolation tank | | | | |
| Check dam | | | | |
| Any other | | | | |
| Total | | | | |

xii. Any other innovative initiative developed/adopted/used for waste water management in the campus (5 marks)

- a. Have you taken any innovative initiative for waste water management in the campus- Upload Proof: **Radio Button with options: Yes or No**

Provide Description box to write text not more than 50 words

a. Did the innovation recognised by any public agency- Upload Proof: **Radio Button with options: Yes or No**

If Yes

- *International*
- *National*
- *State*
- *District*

a. Did the university bag any award for the innovation from the above agency?- Upload Proof:

Radio Button with options: Yes or No

If Yes

- *1st Place*
- *2st Place*
- *3st Place*
- *Consolation*

b. Impact due to the innovation: Upload Proof:

- **Reduction in waste**
- **Extent of recycle**
- **Reduction in cost**
- **Generation of revenue**

Energy Management (100 marks)

xiii. Campus electricity consumption in 2021-22 (April21-March22) in kWh (Units):

viii. Campus renewable energy generated and used in 2021-22 in kWh (Units) (40 marks):

| Sources | Capacity created (converted in kW) | Production during the year (converted in kWh) | Campus Consumption (converted in kWh) |
|--------------------------|---------------------------------------|--|--|
| Solar Power | | | |
| Geothermal | | | |
| Wind power | | | |
| Hydro power | | | |
| Others (Biomass, etc) | | | |
| Total | Calculate | Calculate | Calculate |

xv. Use of energy efficient appliances (EEA) and technologies in the campus

| EEA | Number | Total Capacity (W) | Hours Usage (H) per day |
|--|--------|-----------------------|----------------------------|
| Star rated appliances | | | |
| LED lights/ bulbs | | | |
| Sensor based automatic lights | | | |
| Energy efficient building | | | |
| Any other (sub-meter, mobile app for operation electric gadgets, etc) | | | |
| Total | | | |

xvi. Energy efficient transport system in the Campus in last three months (20 marks):

| Sources | Number of Users per month |
|---------------------------|---------------------------|
| E vehicles | |
| Battery operated vehicles | |
| Smart Cycles | |
| Any others | |
| Total | Total Users |

Any other innovative initiative developed/adopted/used for energy management in the campus

Have you taken any innovative initiative for energy management in the campus- Upload Proof:

Radio Button with options: Yes or No

Provide Description box to write text not more than 50 words

Was the innovation recognised by any public agency- Upload Proof: Radio Button with options: Yes or No

If Yes

- *International*
- *National*
- *State*
- *District*

Did the university bag any award for the innovation from the above agency?- Upload Proof:

Radio Button with options: Yes or No

If Yes

- *1st Place*
- *2st Place*
- *3st Place*
- *Consolation*

Impact due to the innovation: Upload Proof:

- Reduction in waste
- Extent of recycle
- Reduction in cost
- Generation of revenue

Awareness Building and Contribution towards Swachh Bharat

Courses/projects/seminars/workshops on environmental concerns in the campus.

Population details :

- Faculty Population:
- Student population:
- UG -
- PG -
- Ph.D -
- Neighbouring community population –

Environment safeguard activities & Environment safeguard awareness

| Activity | In campus | | | Off campus/ neighbouring community | | |
|-------------------------------------|------------------|---------------|-------|---------------------------------------|------------------|---------------|
| | Number of events | Participation | | | Number of events | Participation |
| Students | | Faculty | Total | | | |
| Disaster management | | | | | | |
| Green army certificates | | | | | | |
| Mock drills on fire safety | | | | | | |
| Rallies and road shows | | | | | | |
| Feeding points for bird and animals | | | | | | |
| Seminars/Workshops | | | | | | |
| UBA/SAGY/Jal Shakti Abhiyan | | | | | | |
| One student one Tree | | | | | | |
| Tree plantation drives | | | | | | |
| Any other (specify) | | | | | | |
| Total | | | | | | |

Clean and green promotion measures-Infra initiative

| S.No | Campus Facility | Checkbox |
|------|---|----------|
| 1 | Applications for control and monitoring of smart appliances (web application (dashboard), mobile application, mail alert, SMS based alert, others) (Screenshots or photographs) | |
| 2 | Access to RFID, e-books and online journals in library (Screenshots or photographs of RFID) | |
| 3 | Continuous ambient air quality index monitoring and display station (photographs of display station) | |
| 4 | Bio composter unit (photographs) | |
| 5 | Biogas use in hostel and canteen kitchen (photographs) | |
| 6 | Bio methylation plant (photographs) | |
| 7 | Biometric attendance (university order or photographs or latest soft copy) | |
| 8 | Centralized steam cooking in hostels (Photographs) | |
| 9 | Community reverse osmosis plant (Photographs) | |
| 10 | Digital/Smart/Virtual Class rooms (Photographs) | |

| | | |
|----|---|--|
| 11 | Effluent treatment plant (photographs, report) (Certificate of construction and commission, Photographs and Certified first page of the record) | |
| 12 | Existence of a functioning e-office (Office Order with commissioning certificate) | |
| 13 | 100 % Direct benefit transfer (report) | |
| 14 | Flex / sign boards / signages / smart displays and interactive models promoting campus and community hygiene, sanitation and eco-friendly habit lifestyle (Photographs) | |
| 15 | Grease trap mechanism in canteen and hostel kitchens (Photographs) | |
| 16 | Incinerators (Photographs) | |
| 17 | Organic waste converter (Photographs) | |
| 18 | Sanitary vending machines in girls' hostels (Photographs) | |
| 19 | Sanitary land fill (Photographs) | |
| 20 | Waste recycling machine and paper shredders (Photographs) | |

Clean and green promotion measures (2021-2022) : Activities

| S.No | Campus level | |
|------|--|--|
| 1 | Biodiversity and ecosystem services register (certificate registered first page) | |
| 2 | Carbon audit (certificate of relevant agencies) | |
| 3 | Energy audit (certificate of relevant agencies) | |
| 4 | Environment audit (certificate of relevant agencies) | |
| 5 | Fire audit (certificate of relevant agencies) | |
| 6 | Green audit (certificate of relevant agencies) | |
| 7 | Student centric eco & green clubs (register) (university office order) | |
| 8 | Demarcated no smoking zone (photographs of sign boards and university order) | |
| 9 | Demarcated silent zone (photographs of sign boards and university order) | |
| 10 | Earmarked no vehicle day (photographs of sign boards and university order) | |
| 11 | Use of traditional and Indian Knowledge Systems (IKS) in resource conservation and management (photographs and university order) | |
| 12 | Organisation of or participation in hackathons related to above IKS (Notification or participation evidence) | |
| 13 | Provision to recognize the services of cleaning/sweeping staff (University order) | |
| 14 | Oxygen park - plantation for oxygen enrichment (University order, photographs of sign boards) | |
| 15 | Pedestrian friendly pathways (University order, photographs of sign boards) | |

1. Campus clean and green policy (2021-2022)

5 Marks

| S.No | Measures | |
|------|--|--|
| | Campus clean and green policy proclaimed in the university website (upload | |

| | | |
|--|--|--|
| | policy statement) | |
| | If yes, action plan for implementation specified in the website (action plan document) | |
| | Formulated core team, student team and identified monitors (University order) | |
| | External team members (University order) | |
| | Level and place of Swachh ranking received if any in 2021-22 (Award certificate) | |

Campus Swachh Bharat Budget Mobilized (2021-22)

1. Budget Received (Rs Lakhs)

| S.No | Source | Received |
|-------------|--------|-----------|
| | | |
| | | |
| | | |
| | | |
| | | |
| Total | | Calculate |
| Utilization | | |

2. Budget Utilization

| Fund | In Rupees |
|--------------------------|-----------|
| Fund Received/ mobilized | |
| Fund Utilized | |