

Assam Legislative Assembly
Unstarred (Written) Question No.:- 513
Date of sitting :- 24/07/2026

Subject: Major initiatives taken by department of Science and Technology.
Member of Legislative Assembly (MLA): Shri Pradyut Bordoloi

Question:

Will the Minister of Science, Technology Department be pleased to state:

- (a) What are the major initiatives taken by Department of Science and Technology and the Assam Science Technology and Environment Council (ASTEC) during the last five years for promoting science, technology, renewable energy in the State in last five years ?
- (b) Will the Government furnish the district-wise details of renewable energy projects, including solar and other clean energy initiatives, implemented by the Department and ASTEC during the last five years indicating the financial outlay and beneficiaries.
- (c) Whether the Government proposes to expand renewable energy generation, climate-resilient village programmes, green technology adoption and science-based developmental initiatives in the State during the coming years, the details thereof ?

Answer:

The Honorable Minister of Science & Technology Department, **Shri Keshab Mahanta**, answers:

- (a) 1.Assam Science Technology and Environment Council (ASTEC):

The major initiatives undertaken by ASTEC are highlighted at ANNEXURE-I

2. Assam Energy Development Agency (AEDA):

In the Science & Technology Department, activities of Renewable Energy are being implemented by the Assam Energy Development Agency (AEDA)-State Nodal Agency of Ministry of New & Renewable Energy, Govt. of India. Assam Energy Development Agency (AEDA) was earlier a part of the Assam Science Technology and Environment Council (ASTEC) as Energy Division. Major initiatives taken by AEDA in last five years are as follows:

- i. Installation of 2kWp Off-Grid SPV Power Plant at Tekelangjun Health & Wellness Centre, Karbi Anglong, Assam executed by AEDA commissioned in the year 2023. The project was funded by Science & Technology Department, Govt. of Assam.
- ii. Installation of 10 kWp Off-Grid SPV Power Plant at the Office of the Deputy Commissioner Charaideo, Charaideo district, Assam executed by AEDA commissioned in the year 2023. The project was funded by DC Office Charaideo.
- iii. Installation of 8 kWp Grid Connected Solar Rooftop Project at Pandu College, Pandu, Guwahati-781012 executed by AEDA commissioned in the year 2024. The project was funded by Pandu College.
- iv. Installation of aggregate capacity of 150 kWp (75kWp X 2 nos.) Grid Connected Solar Rooftop PV Power Plants in District Hospital Hathsingimari, South Salmara Mankachar district and District Civil Hospital Hojai, Hojai District executed by

- AEDA commissioned in the year 2024. The project was funded by National Health Mission, Assam.
- v. Installation of 8.00 kWp Off-Grid Floating Solar Photovoltaic Power Plant with 5 years Comprehensive Maintenance and Warranty including 8 nos. of LED based Street Lighting Systems and a Solar Aerator (0.5 HP) to be installed on identified water body at Amrit Sarovar in Rajgarh Bongali – 2, North Lakhimpur, Assam executed by AEDA commissioned in the year 2024. The project was funded by NABARD & DC Office Lakhimpur.
 - vi. AEDA had carried out the construction of Improved Chulha for cooking under PM POSHAN on pilot basis in 05 (Five) schools in Darrang district, 03 (Three) schools in Kamrup Metro district and 05 (Five) schools in Kamrup district funded by Samagra Shiksha Assam
 - vii. Installation of 2 kWp Off-Grid SPV Power Plant at Tahpat Medical Sub-Centre, West Karbi Anglong, Assam executed by AEDA commissioned in the year 2025. The project was funded by Science & Technology Department, Govt. of Assam.
 - viii. Installation of 75 kWp Grid Connected Solar Rooftop PV Power Plant at North Eastern Hydraulic and Allied Research Institute (NEHARI), Brahmaputra Board, Rudreswar, Guwahati-781030 Assam executed by AEDA commissioned in the year 2025. The project was funded by North Eastern Hydraulic and Allied Research Institute (NEHARI).
 - ix. Installation of 10.0 kWp Grid Connected Solar Rooftop Project at the premises of at Lumding College, Lumding, Hojai, Assam – 782447 executed by AEDA commissioned in the year 2025. The project was funded by Lumding College.
 - x. Implementation of Component B of Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyaan (PM KUSUM). Execution of 1695 nos. of 2 HP DC standalone solar pumps in Assam under the Ministry of New & Renewable Energy, Govt. of India by AEDA. The scheme offers a combined Central and State Financial Assistance. The State Financial Assistance / state share of the said project are being provided by Science & Technology Department, Govt. of Assam and CMSGUY.

3. Jorhat Science Centre and Planetarium:

“Modernization of Jorhat Science Centre and Planetarium” under the CM Modernization Plan is a major initiative undertaken by the Department of Science & Technology, Government of Assam. With the objective of introducing new scientific installations and modernizing the existing facilities of Jorhat Science Centre and Planetarium in the year 2025.

(b) 1. Assam Science Technology and Environment Council (ASTEC):

The Energy division of ASTEC was carved out from ASTEC as AEDA (Assam Energy Development Agency) in the year 2002 as an independent organization. The Renewable Energy sector is being looked after by the concerned Agency.

2. Assam Energy Development Agency (AEDA):

The major initiatives undertaken by AEDA are highlighted at ANNEXURE-II

(c) 1. Assam Science Technology and Environment Council (ASTEC):

- i. ASTEC intends to continue the **Chief Minister's Climate Resilient Village Fellowship (CMCRVF)** as it has proven to be an effective platform for developing a pool of trained young climate professionals in Assam. The programme equips Fellows with scientific knowledge and practical skills in

climate change, enabling them to contribute to the growing demand for climate experts in research, policy formulation, and government programmes. By working directly with village communities, each Fellow also serves as a climate ambassador, promoting scientific awareness on climate change, its impacts, and locally relevant adaptation strategies. The village-specific assessments and recommendations generated through the Fellowship provide valuable inputs for evidence-based policymaking and grassroots implementation. Going forward, ASTEC proposes to strengthen the programme by introducing exposure visits and internship opportunities for selected Fellows at leading climate change research institutions across India, while also supporting outstanding research and innovations for presentation at national and international conferences. Through these initiatives, ASTEC aims to foster a scientifically informed, research-oriented, and globally connected youth workforce capable of driving climate action and resilience in Assam.

- ii. The Climate Centre, announced in the Assam Budget 2025–26, is envisioned as a state-of-the-art, self-sustaining facility that will showcase Assam's climate vulnerabilities, biodiversity, adaptation initiatives, and sustainable technologies through immersive digital exhibits, AR/VR experiences, interactive displays, and multilingual information systems. Designed to operate on 100% renewable energy, with rainwater harvesting, air-to-water technology, and zero-discharge waste management, the Centre will serve as a hub for climate education, research, innovation, tourism, and public engagement while housing climate-related offices and events. An allocation of ₹25 crore was announced in the Budget; however, the funds have not yet been sanctioned. The detailed project proposal has been prepared and will be submitted for approval upon allocation of the requisite budgetary funds
- iii. *Assam Digital Heritage and Restoration (ADHAR) (Application of 3-D Laser scanning and geo-spatial technologies for digital documentation of heritage monuments of Assam)*- ADHAR would be an initiative of the Government of Assam to digitally document the heritage monuments and historical products of Assam using 3-D laser scanning and geo-spatial technologies. This initiative is to capture the Surface Geometric details of the state's archaeological protected heritage monuments to generate 3D Point cloud data, 3D Mesh Models and CAD Engineering drawings to create immersive virtual walk through and to promote Virtual Tourism for reconstruction/restoration of the protected Heritage monuments comes under the Directorate of Archaeology and the Directorate of Museums, Govt of Assam. Assam Science Technology and Environment Council (ASTEC) under the Department of Science & Technology would prepare this digital repository using state-of-the art technology. The idea is inspired by similar works being done by the Karnataka State Council of Science & Technology (KSCST). The objective of the Project is also to extend the power of digital advanced technologies to capture, collect and create the database for preserving and sharing the database for future Preservation, Restoration and Reconstruction of Heritage sites and Monuments includes Palaces, Forts, Heritage Buildings, Inscriptions, Archaeological Sites, Temples, Mosques, Wells, Kalyani and Dargah coming under the purview of the Directorate of Archaeology, Government of Assam.

Setting up of Astrolabs (KhagolDoot) for Schools of Assam- Sky observation and Astronomy is one of the most ancient sciences. Many of the present technologies and different branches of science are evolved from the techniques of sky observation and measurement of different parameters of celestial objects in the sky. Also, many of the superstitions are associated with various celestial occurrences. Hence it is very important to have the knowledge of basic astronomy and scientific explanation of celestial phenomena. An astronomical lab and various experiments and observations can help a student to understand the actual cause of the celestial occurrences and grow with a perfect scientific mind-set.

The scheme will help in providing a great exposure in the science and technology field to the talented students of the state by inculcating scientific temper at a young age and to motivate extraordinarily talented students who show affinity towards space science and astronomy. The aim is to inculcate scientific temper at a young age, supplement curriculum needs, and to serve as a vehicle of character building for the general public at large. We expect the establishment of these labs to usher in a new era of experiential learning, more responsive instructional delivery methods, and the evolution of a broader education-community interface.

The scheme will help in following areas:

- (i) Providing a great exposure in the science and technology field to the talented students of the state.
- (ii) Inculcate scientific temper at a young age
- (iii) Motivate extraordinarily talented students who show affinity towards space science and astronomy.

iv. Green Innovation Fund:

To promote green technology adoption, the Government is implementing the Green Innovation Fund (GIF). The scheme supports research, innovation, technology development, and demonstration projects in areas such as renewable energy, sustainable agriculture, climate resilience, waste management, and other green technologies. It also promotes green entrepreneurship and strengthens the State's Science, Technology and Innovation (STI) ecosystem. In the coming years, the scheme aims to expand support for renewable energy, climate-resilient agriculture, waste-to-wealth technologies, sustainable resource management, and climate adaptation initiatives.

2. Assam Energy Development Agency (AEDA):

The details of the initiatives to be taken up in the State during the coming years are as follows:

- i. Upon approval of PM KUSUM 2.0 of MNRE, Govt. of India, an initial target of 5000 nos. of Solar Pumps has been set in the state of Assam.
- ii. A proposal for installation of Grid Connected Rooftop Solar Power Plant along with Solar Street Lights at Science City, Guwahati, Sonapur Pathar, Tepesia, Assam 782402 has already been sent to CEO, Science City for consideration and approval.

Tender floated for Design, Supply, Installation, Testing, Commissioning including 5 years Comprehensive Maintenance for aggregate capacity of 4 kWp (2 kWp x 2 Nos.) Grid Connected SPV Power Plant at Upper Hengrabari Anganwadi Centre, Barbari, Upper Hengrabari and Bongaon Anganwadi Centre, Belt Olympic, Boragaon, Guwahati, Assam under GIZ Green Cooking Programme.

3. Jorhat Science Centre and Planetarium:

Jorhat Science Centre and Planetarium has undertaken initiatives to promote hands-on learning in Robotics and Artificial Intelligence (AI) among school students. These initiatives provide students with practical exposure to emerging technologies and encourage creativity, innovation, problem-solving skills and scientific thinking through experiential learning.

(Enclosures are uploaded in the ‘cms.neva.gov.in’ portal)

ANNEXURE-I

The major initiatives undertaken by the Assam Science Technology & Environment Council (ASTEC) is highlighted below:

Sl. No	Name of the Scheme	Objectives	Major Activities undertaken in the last five years
1	Chief Minister's Bigyan Pratibha Sandhan	1. To identify extraordinarily talented school students (Class XI level) through a standardized selection process. 2. To provide due exposure to the selected students, as per their field on interests, in various reputed institutions in the country (like National Chemical Laboratory, Indian Institute of Science, DRDO, ISRO, TIFR, etc) 3. To provide proper mentoring to the students to work in coordination with a reputed research/technical institution in the state.	In its first year of implementation for the FY 2023-24, the following activities were conducted: - The 1st Stage 5-day Mentoring Programme, conducted in collaboration with the Indian Institute of Technology, Guwahati, witnessed the successful completion by 98 selected students. Hon'ble Chief Minister of Assam interacted with the participating students in the valedictory session. The 2nd stage of the mentoring programme was held at Bengaluru, in collaboration with the Karnataka State Council for Science & Technology (KSCST) which includes visit to IISc, Bengaluru, Department of Aerospace / CeNSE / Centre for Brain Research, U R Rao Satellite Centre, ISRO, JNCASR etc. The mentors from the institutions have also provided online mentoring to the students based on their field of interests. Five best students were chosen to visit an internationally renowned scientific institution of Cambridge and Oxford Universities like Trinity College, Wincoster College, St John's, King's etc. and also various laboratories of University College London and Imperial College London from 22September to 28 September 2024. In its second year of implementation for the FY 2024-25, 40 (50% girls) selected students also underwent all the three stages of its implementation. Three Best selected students were mentored at internal scientific institutes of Cambridge and Oxford Universities from 12-18

			October 2025.												
2	Aryabhatta Science Centres (Block Level)	The Science and Technology Division of Assam Science Technology & Environment Council had set up 219 number of Aryabhatta Science Centre in 219 development blocks of the state. The project is supported by Department of Science and Technology, Govt. of Assam. The first batch of the centres was launched on 28th February, 2008, the day of National Science Day by then Hon'ble Minister of Science and Technology, Govt. of Assam. The objectives of Aryabhatta Science Centre are: (a) To build scientific attitude among the school students, (b) To make science education exciting through experimentation and other hands- on- activities, (c) To promote basic science as a career option.	1. Apart from the regular block level competitions which include (a) Science based extempore speech competition (b) Science-based poster drawing competition (c) Science and Technology Model making competition (exhibition) and (d) Idea Competition which are organized among the schools within that block, then district and eventually at the State level every year, Robotics Competition has been introduced since 2024. 2. Five Robotics Clubs have been established at 5 Aryabhatta Science Centres, namely at the following blocks on March 2025: - <table><tr><th>Block Name</th><th>Institute Name</th></tr><tr><td>Kaliabor</td><td>Kaliabor College</td></tr><tr><td>Rangia</td><td>Rangia H.S. School</td></tr><tr><td>Raha</td><td>Raha H.S. School</td></tr><tr><td>Boko</td><td>J.N. College</td></tr><tr><td>Lakhimpur</td><td>North Lakhimpur Govt. H.S. School</td></tr></table>	Block Name	Institute Name	Kaliabor	Kaliabor College	Rangia	Rangia H.S. School	Raha	Raha H.S. School	Boko	J.N. College	Lakhimpur	North Lakhimpur Govt. H.S. School
Block Name	Institute Name														
Kaliabor	Kaliabor College														
Rangia	Rangia H.S. School														
Raha	Raha H.S. School														
Boko	J.N. College														
Lakhimpur	North Lakhimpur Govt. H.S. School														
3	Research and Development Programme	1. This scheme aims to promote need-based and location-specific research to address Assam's socio-economic, technological, and environmental	1. The R&D project titled "ERI Pupa-Based Ornamental Fish Feed: Preparation, Standardization and Sustainable Utilization" by Dr. Bhuban Chandra Chutia, Department of Zoology, Nowgong College, Nagaon, has developed a new eco-friendly ornamental fish feed using												

		challenges. 2. The scheme supports research in priority sectors, encourages innovation, facilitates technology development and commercialization, promotes sustainable utilization of local resources, and nurtures young researchers to strengthen the State's Science, Technology and Innovation (STI) ecosystem. (Target Group: Young students/research scholars, academicians/researchers of the state)	Eri pupae. The feed is cost-effective, nutritious, and cheaper to produce than conventional fish feed. The project also promotes the effective use of locally available Eri pupae, creating opportunities for value addition and supporting sustainable ornamental fish farming. 2. Supported 25 nos. of innovative R&D projects addressing locality specific problems of the state.
4	Green Innovation Fund	The Green Innovation Fund (GIF), introduced by the Government of Assam in the 2023–24 Budget, aims to promote green technology-based innovations that address local environmental and societal challenges. The scheme supports research and development, sustainable technologies, climate-resilient solutions, and green entrepreneurship, while fostering scientific awareness, capacity building, and a strong start-up ecosystem in the State. Target Group: academicians/researchers of the state working in the field of green technology and innovation.	1. Supported 8 nos. of innovative green technology and innovation-based projects in the recent years. 2. Under the project titled, “Development of a Self-Maintaining Vertical Solar System (Surya Taru) for agricultural and industrial applications” under the Green Innovation Fund scheme of ASTEC, the Surya Taru (solar tree) has been installed at the Jorhat Planetarium site. The developed 6 kW vertical solar tree prototype is unique in nature with a space-efficient design requiring only one-eighth of the land of a conventional solar installation, while integrating smart features for improved performance and low maintenance.

5	Chief Ministers Climate Resilient Village Fellowship	The Chief Minister's Climate Resilient Village Fellowship Programme, launched in 2022 by Assam's Science Technology and Climate Change Department, is implemented by the Assam Science Technology and Environment Council. It bridges local climate issues with policymaking. Fellows under continuous guidance from experts in S&T institutions, conduct surveys, assess climate vulnerabilities, propose interventions, and document traditional practices. i. Capacity building of the students for addressing climate change challenges and Climate Change research ii. Village-specific climate change impact study and model intervention for climate Resilience	Implemented in two batches, (CMCRVF) engaged a total of 81 Fellows, who were trained in climate change, community-based research methodologies, vulnerability assessment, and field data collection techniques. The Fellows conducted research and implemented community-based activities across 81 villages of Assam, generating valuable grassroots-level information to support climate-resilient planning. It involves a baseline survey on climate impact, biodiversity, and environment, followed by scientific interventions for resilience. Data collection includes structured interviews, focus group discussions, and socio-economic metrics. With innovation, phased technology adoption, and strong leadership, the initiative aligns with Sustainable Development Goal 13 (SDG-13) to combat climate change The initiative has received significant national and international recognition: • COP29, Baku, Azerbaijan: The CMCRVF initiative was showcased as a best practice for empowering youth to build climate-resilient communities under the Regions Adapt initiative and was widely appreciated for its innovative community-led approach. • COP30, Belém, Brazil: The programme was featured as a "Granary of Solutions", highlighting Assam's innovative and scalable model for community-based climate resilience. • The success story of CMCRVF was published in the EIACP Newsletter (Vol. 22, No. 3, July–September 2024). • Ms. Lekhashree Bora, a Batch-I CMCRVF Fellow, was selected as one of the 30 Climate Champions under the Young India Fellowship, supported by YuWaah–UNICEF. Through this fellowship, she received training, mentorship, and a grant of up to ₹65,000 to establish local youth-led climate action initiatives.
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			The CMCRVF project was also shortlisted for the 2024 Centre for Innovation in Public Systems (CIPS) Award, recognizing its innovation and impact in public service delivery.
6	Environment Education Programme (EEP), MoEF & CC, Govt. of India	To sensitize children/ youth, on issues related to environment and to motivate them to adopt sustainable lifestyle, through varied pedagogical initiatives like workshops, projects, exhibitions, campaigns, competitions, nature camps, summer vacation programmes, etc.	Activities under EEP are conducted aligning with the 7 themes of Mission LiFE. Following targets achieved in the last 5 years: - No. of Eco Clubs enrolled: 10235 - No. of awareness programmes, capacity building workshops, nature camps, etc. conducted: 10144 - No. of participants: 533872 Recent activities under EEP (2025-26) - State Level Resource Persons' Workshop on mushroom cultivation: 1 No. - Zonal Level Resource Persons' Workshops on Upcycling of waste cocoons into decorative items, Making utility items from water hyacinth, Upcycling of waste paper to reusable paper and Upcycling of used papers into eco-friendly pens: 4 No.s - District Level Resource Persons' Trainings on Upcycling of waste cocoons into decorative items, Making utility items from water hyacinth, Upcycling of waste paper to reusable paper and Upcycling of used papers into eco-friendly pens: 34 No.s - Eco Club Level Sustainable Lifestyle Workshops: 1268 No.s - District Level Eco Hackathons: 34 No.s - State Level Eco Hackathons: 1 No. - Workshops on Preparation of Eco-Friendly Holi Colours: 44 No.s - Nature Camps: 34 No.s - Publications:

			Newsletters: 4 No.s EEP Handbook: 1 No. Eco Club compendium: 35 No.s
7	Environmental Information, Awareness, Capacity Building and Livelihood Programme, Govt. of India	• To build a repository and dissemination centre in Environmental Science, Information and Management (ESIM). • To participate, promote, implement and coordinate Green Skill Development Programme (GSDP), Capacity Building Programmes, Swachhta Action Plan (SAP) and Mass Awareness Campaign for Lifestyle for Environment (LiFE) etc. as and when intimated by the ministry.	• Green Skill Development Programme (GSDP): Total Thirteen (13) batches. 1. Apiculturist (Wild bee)- NTFP-30 days 2. Bamboo Craft-NTFP- 60 days 3. Enhance Solar System - 30 days, etc. Total Beneficiaries: 350+ • Capacity Building Programmes (CBP): 1. Temple Flower Waste Recycling to Incense Sticks 2. Cone Making and Natural Holi Colour Making (Fakuwa). Total Beneficiaries: 40+ • Publications: 1. Checklist Book on “Vertebrates of Assam” with IUCN Status 2. A book on “Orchids of Dibrugrah district of Assam” 3. Handbook on “Handbook for Environmentally Relevant Procedures and Guidelines for Upstream E & P Operations” • Mega Event Organised: 1. Northeast Yatra for Lifestyle for Environment (LiFE)” 2. Nodal Agency for the North Eastern Region • Participation:

			1. National Workshop on LiFE, 30th Jan., 2023 at IPB, New Delhi 2. National Climate Conclave at IP, Lucknow, UP from 11th& 12th April, 2023 3. India International Science Festival (IISF) 2024 at IIT Guwahati from 30th Nov to 3rd Dec, 2024, and IISF 2025 in Panchkula, Haryana, from 6th to 9th Dec., 2025. 4. 77th biennial Asom Sahitya Sabha Convention at Bajali from 31st Jan. to 4th Feb. 2025 5. National Evaluation Workshop 2025-2026 at Jawaharlal Nehru University, New Delhi from 11th& 13th December, 2023 ● Awards: Awarded as the 3rd Best Performing EIACP Centre of the nation for the F. Y. 2023-2024 & 2024-2025
8	District Science Centre and Planetariums in Assam	The establishment of District Science Centres and Planetariums (DSC&Ps) at Amingaon, Majuli, Silchar, Kaliabor, Bongaigaon and Diphu is a significant step toward bringing scientific literacy, technological awareness, and astronomical education to every nook and corner of the state. The objectives of these Centres are- 1. Science Popularization & Communication 2. Astronomy & Space Science	The Science Centre Complexes of the District Science Centres-cum-Planetariums at Bongaigaon, Amingaon, Majuli, Kaliabor, and Cachar were inaugurated virtually on 10th March, 2026 by the Hon'ble Chief Minister of Assam in the august presence of the Hon'ble Minister, Science & Technology Department, Government of Assam. Further in the year. December, 2022, Nalbari Science Centre and Planetarium and Lakhimpur Science Centre and Planetarium was formally inaugurated by Hon'ble Chief Minister of Assam. In addition, an Innovation Hub of Jorhat Science Centre and Planetarium was inaugurated by Hon'ble Minister, Science & Technology Department, Government of Assam These centers serve as regional hubs for science education, scientific

		Education 3. STEM Learning & Innovation 4. Environmental Awareness & Sustainable Development 5. Support for Research & Scientific Collaborations 6. Community Engagement & Outreach	awareness, and public engagement, providing interactive science exhibits, planetarium facilities, and educational programmes aimed at fostering scientific temper, promoting innovation, and encouraging curiosity among students, teachers, and the general public.
9	Climate Cell	Climate Cell was established in the year 2009 and its basic objectives are as follows Objectives of the Climate Cell • Undertake scientific research on climate change and generate evidence to support climate-resilient planning, adaptation, and mitigation strategies in Assam. • Strengthen climate-informed policymaking through the preparation and review of climate action plans, including implementation of the State Action Plan on Climate Change (SAPCC) and the National Action Plan on Climate Change (NAPCC).	During the last five years (2021- 2025), the Climate Cell of the Assam Science Technology and Environment Council (ASTEC) has undertaken several key initiatives to strengthen climate action, scientific awareness, capacity building, and evidence-based policymaking in Assam. Major activities include ecosystem service, carbon stock and biodiversity valuation studies in the Rani Reserve Forest and Deepor Beel landscape; river water quality monitoring and restoration studies; establishment of 40 College Environment and Climate Cells across Assam; capacity building of college teachers and government officials on climate change; integration of climate change into the school curriculum in collaboration with the State Council of Educational Research and Training (SCERT), with development of curriculum and educational resources; organization of popular lectures, workshops, seminars and awareness programmes to promote scientific understanding of climate change; preparation of books, guidebooks and training manuals; climate vulnerability assessment studies in different agro-climatic regions of Assam; documentation and promotion of traditional ecological knowledge and sustainable lifestyles; farmer training on climate-resilient agriculture and bio-fertilizers; initiation of

		• Enhance institutional capacity by supporting Government departments with climate-related research, policy inputs, and decision-making. • Build climate resilience through capacity-building programmes, training, workshops, and awareness initiatives targeting government officials, educational institutions, communities, and other stakeholders. • Promote climate science education, research, innovation, and scientific temper among students, youth, and grassroots communities. • Represent and showcase Assam's climate initiatives at regional, national, and international platforms to foster collaboration and knowledge exchange.	a six-month Certificate Course on Climate Change in collaboration with Gauhati University to bridge academic and practical knowledge gaps; review of State policies from a climate perspective; preparation of audio-visual educational content for schools; implementation of climate outreach programmes across Assam's agro-climatic zones; and preparation of the proposal for establishing a state-of-the-art Climate Centre, announced in the Assam Budget 2025-26, to serve as a hub for climate education, research, innovation, and public engagement.
10	Assam Bio-Resource Centre	The Assam Bio-Resource Centre (ABRC) was established by the Assam Science Technology & Environment Council (ASTEC) during 1994–95 at Baihata Chariali, near the historic Madan Kamdev Temple, with the objective of promoting the conservation, documentation, and	Conservation Status (species) Flora RET Plants: 60 Orchids: 91

		sustainable utilization of the region's biological resources. The Centre has established ex situ conservation facilities for a diverse collection of rare, endemic, and threatened (RET) plant species, including orchids, medicinal plants, bamboos, and other taxa of ecological and conservation significance. Over the years, ABRC has evolved into an important centre for floral and faunal research, biodiversity conservation, and environmental education, serving as a valuable academic and outreach resource for researchers, students, educational institutions, scientific organizations, and the general public.	Bamboos: 26 Ornamental and Other important plants: 216 Medicinal Plants: 159 Total: 528 Fauna Mammals: 09 Reptiles :28 Butterfly: 35 Education and Outreach (last five years) No of Interns: 97 (+ 119 ongoing) Dissertations supported: 41 Support to PhD Scholars for research work:7 Herbarium collection: 2789 Herbarium identified and authenticated for Students, Research/ Academic institutions: 219 Student visitors (2025-26): 3000 approx
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ANNEXURE-II

Assam Energy Development Agency (AEDA):

District-wise details of renewable energy projects

Sl No	District	Type of Renewable Energy project	Financial Outlay	Nos. of project	Type of beneficiary
1.	Karbi Anglong	Off-Grid Solar Power Plant with battery backup at Tekelangjun	Rs. 3,40,000.00	1	Heath and wellness Centre
2.	Charaideo	Off-Grid Solar Power Plant with battery backup	Rs. 15,00,000.00	1	DC Office
3.	South Salmara-Mankachar	Grid Connected Rooftop Solar Project at District Hospital Hathsingimari	Rs. 32,15,000.00	1	Hospital
4.	North Lakhimpur	Floating Solar Power Plant at Amrit Sarovar, Rajgarh Bongali	Rs. 14,50,000.00	1	DC Office
5.	Kamrup Metro	Grid Connected Rooftop Solar Project at Pandu College	Rs. 3,87,974.00	1	College
6.	Kamrup Metro	Grid Connected Rooftop Solar Project at NEHARI, Brahmaputra Board, Guwahati	Rs. 30,86,942.00	1	Govt. of India, Institute
7.	Hojai	Grid Connected Rooftop Solar Project at District Civil Hospital	Rs. 32,15,000.00	1	Hospital
8.	Hojai	Grid Connected Rooftop Solar Project at Lumding College	Rs. 4,84,968.00		College
9.	Darrang	Construction of Improve Chulha	Rs. 1,20,149.00	5	School
10.	Kamrup Metro	Construction of Improve Chulha		3	
11.	Kamrup	Construction of Improve Chulha		5	

District-wise details of PM KUSUM projects:

Sl No	District	Type of Renewable Energy project	Financial Outlay	Nos. of pumps	Type of beneficiary
12.	Bajali	Standalone Solar Pumps under PM KUSUM	Rs.27.80 Crore	10	Farmer
13.	Baksa	Standalone Solar Pumps under PM KUSUM		56	Farmer
14.	Biswanath	Standalone Solar Pumps under PM KUSUM		96	Farmer
15.	Bongaigaon	Standalone Solar Pumps under PM KUSUM		131	Farmer
16.	Darrang	Standalone Solar Pumps under PM KUSUM		103	Farmer

17.	Dhemaji	Standalone Solar Pumps under PM KUSUM		6	Farmer
18.	Dibrugarh	Standalone Solar Pumps under PM KUSUM		18	Farmer
19.	Chirang	Standalone Solar Pumps under PM KUSUM		67	Farmer
20.	Goalpara	Standalone Solar Pumps under PM KUSUM		189	Farmer
21.	Golaghat	Standalone Solar Pumps under PM KUSUM		143	Farmer
22.	Kamrup	Standalone Solar Pumps under PM KUSUM		43	Farmer
23.	Kamrup Metropolitan	Standalone Solar Pumps under PM KUSUM		1	Farmer
24.	Kokrajhar	Standalone Solar Pumps under PM KUSUM		64	Farmer
25.	Lakhimpur	Standalone Solar Pumps under PM KUSUM		35	Farmer
26.	Majuli	Standalone Solar Pumps under PM KUSUM		18	Farmer
27.	Morigaon	Standalone Solar Pumps under PM KUSUM		415	Farmer
28.	Nagaon	Standalone Solar Pumps under PM KUSUM		84	Farmer
29.	Nalbari	Standalone Solar Pumps under PM KUSUM		7	Farmer
30.	Tamulpur	Standalone Solar Pumps under PM KUSUM		43	Farmer
31.	Udalguri	Standalone Solar Pumps under PM KUSUM		166	Farmer