JOGANANDA DEVA SATRADHIKAR GOSWAMI (J.D.S.G.) COLLEGE, BOKAKHAT

CONSOLIDATED REPORT

ATTRIBUTE 10
SUSTAINABILITY AND INSTITUTIONAL SOCIAL RESPONSIBILITY

Sub-Attribute Reports | Photographic Documentation

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J.D.S.G. COLLEGE, BOKAKHAT

1. Institutional Overview

Jagannanda Deva Satradhikar Goswami (J.D.S.G.) College, Bokakhat, is situated at Latabari along NH-37 adjacent to the Kaziranga National Park landscape. The supplied reports describe a 17.07-acre campus and an institutional approach that links environmental management with teaching, student participation, community engagement and social responsibility. IQAC, Eco Club, NSS, NCC, the Kaziranga Study Centre and other institutional units contribute to implementation and monitoring.

2. Scope of this Consolidated Report

This concise report consolidates the 15 sub attribute reports: Sub-Attribute 10.1 to 10.18

3. Institutional Sustainability at a Glance

Area	Reported institutional feature
Campus and setting	17.07-acre campus adjacent to the Kaziranga landscape
Energy	4 kW rooftop solar capacity; standalone solar lighting; LED and efficient-appliance initiatives
Water	Rooftop rainwater collection, storage/recharge and water-saving practices
Waste	Source segregation, vermicomposting, recycling collection and e-waste management
Green cover	75+ documented plant/tree/herb species reported in biodiversity and greening documents
Mobility and carbon	No Vehicle Day, cycle/pedestrian movement and Green/Energy Audit-based carbon assessment
Inclusion and resilience	Scholarships and learner support, accessible facilities, disaster drills and community outreach

Sub-Attribute 10.1 — Green Campus Policy

The College's Green Campus Policy provides the institutional framework for environmental governance. The 17.07-acre campus at Latabari, Bokakhat, lies adjacent to the Kaziranga National Park landscape. Implementation is coordinated through IQAC, Eco Club, NSS units, Agro-Farming Cell and Kaziranga Study Centre, with Green and Energy Audits supporting review.

- Integrates plantation and biodiversity conservation, renewable energy, waste and water management, campus cleanliness and environmental education.
- Promotes reduced carbon emissions, plastic-free and tobacco-free campus practices, hygienic facilities and responsible resource use.
- Uses student participation, nature-based learning, audits and community outreach to connect campus management with local environmental stewardship.

Sub-Attribute 10.5 — Energy Conservation Initiatives

Energy conservation is pursued through renewable power, efficient lighting and appliances, and responsible daily use. The report records a combined 4 kW rooftop solar installation—2 kW at the Central Library and 2 kW at the Girls' Hostel—alongside standalone solar pathway and perimeter lights.

- LED bulbs and battens have replaced conventional lighting across classrooms, offices, laboratories, seminar halls, corridors and residential areas.
- The report describes preference for BEE 4-star/5-star efficient appliances and periodic room-wise Energy Audits.
- 'Switch Off When Not in Use' practices, signage, end-of-day checks and Eco Club awareness activities encourage behavioural conservation.





Source photograph — J.D.S.G. College

Sub-Attribute 10.6 — Renewable Energy Utilization

The College uses grid-interactive rooftop solar photovoltaic systems and standalone solar lighting to reduce dependence on conventional grid electricity and improve campus illumination.

- Two 2 kW rooftop PV units serve the Central Library and Girls' Hostel (total installed capacity: 4 kW).
- Standalone solar luminaires with their own PV modules, batteries and LED lamps provide pathway, gate and perimeter lighting.
- The report identifies grid offsetting of surplus daytime solar generation, preventive panel/inverter checks and student awareness as parts of the programme.



Sub-Attribute 10.7 — Rainwater Harvesting

Rainwater harvesting is intended to capture monsoon runoff across the 17.07-acre campus, support groundwater recharge, reduce waterlogging and provide water for non-potable uses.

- Rooftop catchments, gutters and PVC downpipes convey rainwater to covered storage tanks.
- Campus drainage channels, permeable lawns, tree groves and agricultural plots help absorb or channel stormwater.
- Harvested/recharged water supports horticulture, botanical gardens, nursery beds and the poly house; plumbing inspections and conservation signage complement the system.
- A Pure Drinking Water Plant operates separately to provide potable water.



Source photograph — J.D.S.G. College

Sub-Attribute 10.8 — Water Conservation and Management

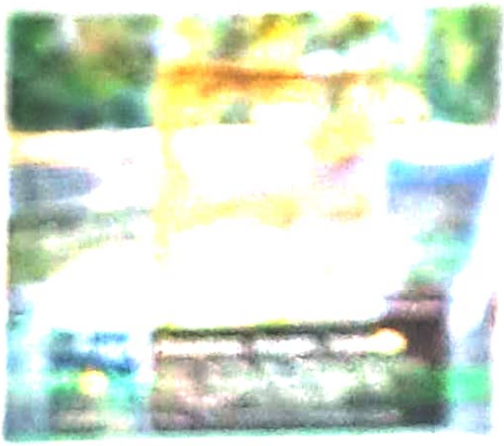
The College's water-management report combines conservation, safe drinking-water provision, wastewater management and protection of campus water resources.

- Water-saving taps/aerators, leak inspection and responsible-use awareness are used to reduce avoidable consumption.
- Rainwater harvesting and recharge measures supplement water availability for landscaping and other non-potable needs.
- Wastewater is channelled through the institutional arrangements described in the source report; drinking-water facilities support safe access for the campus community.



Source photograph — J.D.S.G. College





Sub-Attribute 10.9 — Waste Management and Segregation

The waste-management framework emphasizes segregation at source, recovery of biodegradable material, recycling and safe disposal of special waste streams.

- Colour-coded bins support separation of wet, dry, recyclable and sanitary/hazardous waste at campus locations.
- Leaf litter and canteen organic residues are processed through an on-campus vermicomposting unit; compost can support campus planting.
- Plastic and other dry recyclables are collected through dedicated banks/collection points and routed for recycling.
- The report describes managed sewage and canteen greywater arrangements, and authorized channels for e-waste disposal.



Source photograph — J.D.S.G. College



Source photograph — J.D.S.G. College

Sub-Attribute 10.10 — Plastic-Free Campus Initiatives

The College has declared its campus a Plastic-Free Zone and seeks to prevent single-use plastic litter from reaching soil, drains and nearby ecosystems.

- Disposable plastic carry bags, cups, plates, straws, bottles/pouches and thermocol items are prohibited under the campus initiative.
- Plastic Banks and Bottle Banks provide collection points for recovered materials.
- Reusable steel, glass, bamboo and leaf-based alternatives are encouraged in the canteen and at institutional events.
- Eco Club, NSS, IQAC, vendors and student volunteers support awareness, cleanliness and responsible recycling.



Source photograph — J.D.S.G. College

Sub-Attribute 10.11 — Biodiversity Conservation

The College's biodiversity work is shaped by its location near Kaziranga National Park and the ecological value of its 17.07-acre campus.

- The source report documents more than 75 plant species, including indigenous trees, avenue trees, fruit-bearing plants, shrubs and medicinal flora.
- Campus green spaces and planting areas provide habitat and support environmental learning and conservation awareness.
- The College engages students and institutional units in plantation, species documentation and biodiversity-related activities.



Source photograph — J.D.S.G. College



Source photograph — J.D.S.G. College

Sub-Attribute 10.12 — Tree Plantation and Campus Greening

Campus greening focuses on expanding and maintaining tree cover, conserving indigenous flora and using the campus as a practical learning environment.

- The report records a 17.07-acre green campus, 75+ documented tree/herb species and an on-campus poly house/greenhouse facility.
- Plantation drives are organized around World Environment Day, Van Mahotsav, College Foundation Day and NSS activities.
- Eco Club, NSS, NCC, Kaziranga Study Centre, faculty and student volunteers participate; the report also notes collaboration with NRL, L&T and local forest officials.
- Organic vermicompost and leaf mulch are used in place of synthetic fertilizers and chemical pesticides, with sapling protection and care.



Source photograph — J.D.S.G. College



Source photograph — J.D.S.G. College

Sub-Attribute 10.13 — Carbon Footprint Assessment

The carbon-footprint report describes an institutional approach to identifying emissions and strengthening carbon mitigation in the Kaziranga buffer landscape.

- Assessment considers Scope 1 direct emissions (including fuel and generator use), Scope 2 purchased electricity and Scope 3 sources such as commuting, paper and waste.
- Mitigation measures include 4 kW rooftop solar, LED lighting, monthly 'No Vehicle Day', cycle/pedestrian mobility, waste segregation and avoidance of open burning.
- The report identifies the 17.07-acre campus and its documented vegetation as a carbon sink; Green and Energy Audits provide the monitoring framework.

Sub-Attribute 10.14 — Sustainable Procurement Practices

Sustainable procurement integrates environmental considerations into purchasing and institutional operations.

- The report promotes energy-efficient/BEE-rated equipment and durable, reusable goods to reduce resource use over product lifetimes.
- Preference is given to locally available and eco-friendly materials, including local products and women's Self-Help Group/indigenous artisan outputs where applicable.
- Reusable event materials, reduced disposable plastics and paper-conscious administrative practices support more sustainable purchasing.
- Purchase decisions are intended to consider quality, lifecycle value, resource efficiency and institutional need.

Sub-Attribute 10.15 — Environmental Education and Awareness

Environmental education is delivered through curricular learning, campus campaigns, practical activities and community-facing programmes.

- The report describes environmental awareness programmes, observances, workshops, seminars, rallies and student participation through Eco Club, NSS and related institutional units.
- Activities connect biodiversity, waste reduction, water conservation, climate concerns and protection of the Kaziranga landscape with student learning.
- Field-based and outreach activities help translate environmental knowledge into practical conservation behaviour.



Source photograph — J.D.S.G. College

Sub-Attribute 10.16 — Disaster Preparedness and Risk Management

The College's preparedness framework responds to the local flood-prone setting and the report's identification of the institution as being in Seismic Zone V.

- Fire extinguishers, electrical safety checks, exit signage and safe assembly arrangements are identified as preparedness measures.
- Earthquake and fire mock drills train the campus community in evacuation and 'Drop, Cover and Hold On' procedures.
- Pre-monsoon drain clearing, branch pruning and protection/elevation of important records and equipment address flood and storm risks.
- First-aid resources, fire-extinguisher demonstrations, basic life-support awareness and NSS/NCC relief outreach strengthen response capacity.

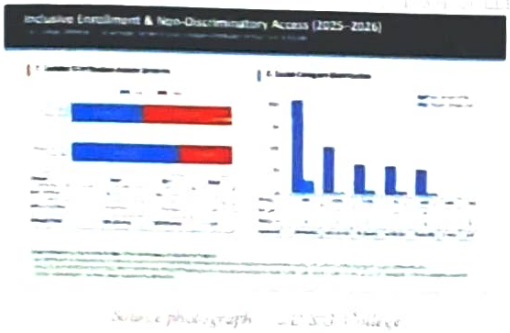


Source: photograph — J.D.S.G. College

Sub-Attribute 10.17 — Social Inclusion and Institutional Responsibility

The College serves students from rural, tea-garden and other diverse socio-economic backgrounds and treats equitable access and dignity as institutional responsibilities.

- Reservation compliance, fee-waiver support, scholarships, Student Aid Fund assistance, remedial classes, bilingual support and mentoring address barriers to participation.
- SC/ST/OBC and Minority Cells, Internal Complaints Committee, Anti-Ragging Committee and Student Grievance Redressal Cell support accountable governance.
- Ramps, handrails, accessible classrooms/washrooms, library assistance, large-print resources and digital access support learners with disabilities and other needs.
- NSS, NCC and departmental extension activities include literacy, health, hygiene, digital/legal awareness, adopted-village work and partnerships with local SHGs.





Sub-Attribute 10.18 — Sustainability Goals and Measurable Achievements

The sustainability-goals report brings together institutional targets and monitoring across energy, water, waste, biodiversity, procurement, carbon mitigation, education and social inclusion.

- Six strategic goals cover energy transition/decarbonization; water security; zero waste and plastic-free operations; biodiversity and carbon sequestration; sustainable procurement/paperless governance; and climate resilience/social inclusion.
- Reported indicators include more than 95% LED/BEE-rated coverage, operational rooftop solar, rainwater collection/recharge, campus waste segregation and vermicomposting, plastic restrictions, native planting and digital workflows.
- The report outlines a 2026–2030 roadmap including expanded solar capacity and smart metering, water/soil monitoring and student-led green innovation.

4. Conclusion and Institutional Certification

The supplied sub-attribute reports present an integrated institutional effort across green campus governance, energy and water management, waste reduction, biodiversity, carbon mitigation, sustainable procurement, environmental education, disaster preparedness and social inclusion. Continued review through IQAC and relevant institutional units can support monitoring, evidence-based improvement and wider student community participation.

This concise consolidated report has been compiled from the 15 source reports supplied for Attribute 10.

Principal
J.D.S.G. College, Bokakhat

Principal & Secretary
J.D.S.G. COLLEGE
BOKAKHAT