AMITY UNIVERSITY
RAJASTHAN

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Policy — Support for Government Energy-Efficient Technology Policy Development

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1. Purpose

To define how Amity University Rajasthan (AUR) will proactively inform, support and partner with local, state and national government agencies in the development, piloting, evaluation and dissemination of energy-efficient technologies and related public policy — aligning university research, teaching, campus operations and outreach with national climate and energy goals and global best practice. This policy concentrates institutional efforts to deliver high-quality evidence, impartial technical advice, demonstration pilots, capacity building and monitoring that governments can use when designing or updating energy-efficiency and clean-energy technology policies.

2. Scope

Applies to:

- All academic departments, research centers and innovation labs at AUR are engaged in energy, environment, materials, electrical, mechanical, systems and policy research.
- Campus operations units (Administration, Energy Management Cell, Procurement) support demonstration installations.
- Outreach units (Industry-Institute-Government liaison, Incubation) engaged in policy engagement, training and tech transfer.
- Partnerships with other universities, research labs, industry and NGOs for joint policy support.

3. Guiding Principles

- Evidence-based: advice to government must be based on robust, peer-reviewed research, pilot data, or validated modelling.
- Neutrality & transparency: deliver impartial technical options and clearly disclose assumptions, uncertainties and trade-offs.
- Co-creation: engage stakeholders (government, utilities, industry, civil society, end-users) in design and pilots to ensure local relevance.
- Scalability & replicability: design demonstrations and recommendations with scale-up and cost-effectiveness in mind.
- Capacity-building: integrate training and knowledge transfer to ensure government/implementing agencies can adopt recommended technologies.
- Alignment with national and international commitments (India's energy policy, SDGs, Net Zero targets).

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4. Legal & Policy Context

This policy supports India's national energy/clean-technology objectives and responds to THE Impact indicator SDG-7.4.4. AUR will also align with central/state schemes, national building codes, and energy conservation norms as relevant.

5. Institutional Mechanisms for Government Support

AUR will use the following mechanisms to deliver policy support:

5.1 **Policy Research & Evidence Generation**

- Commission and prioritize interdisciplinary research projects that address technology performance, lifecycle emissions, cost-benefit, socio-economic impacts and implementation barriers for energy-efficient technologies.
- Encourage fast-track policy briefs and white papers summarizing evidence for policymakers. (Target: produce X policy briefs annually — set by Research Council.)

5.2 **Advisory & Technical Committees**

- Establish a standing **Energy Policy Advisory Group (EPAG)** comprising faculty experts, Energy Management Cell, economists, public policy specialists and student representatives to respond to government requests for technical input, draft regulations, standards or incentives. EPAG will provide rapid technical reviews and longer-term studies on request.

5.3 **Pilots & Living Labs**

- Use the campus as a demonstrator (living lab) for energy-efficient technologies — e.g., building retrofits, smart HVAC controls, microgrids, energy storage, efficient lighting, industrial process efficiency — and providing measured performance data to government agencies to inform regulations and subsidy programs. (Example: universities publishing Net Zero roadmaps and campus pilot results to inform broader policy.)

5.4 **Capacity Building & Training**

- Offer short courses, certificate programs and bespoke training for government engineers, municipal staff, public procurement officials and regulators on technology assessment, performance monitoring, procurement of energy-efficient tech, and standards compliance.
- Facilitate secondments and fellowships where government staff can work alongside university researchers for 3–12 months.

5.5 **Standardization, Testing & Validation**

- Where technical capacity exists, AUR will provide independent testing, evaluation and certification support for novel energy-efficient products (in partnership with accredited labs), including protocol development for field validation.

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5.6 **Stakeholder Engagement & Outreach**

- Convene multi-stakeholder workshops, policy dialogues and public consultations involving utilities, manufacturers, civil society and user groups to surface implementation challenges and feasible policy solutions.

5.7 **Innovation & Technology Transfer**

- Through the university incubation and technology-transfer offices, facilitate commercialization pathways for energy-efficient technologies (licensing, spinouts) with affordability and maintenance models suited to public adoption.

6. Prioritization Criteria

Projects and advisory requests will be prioritized by the EPAG using criteria including potential emissions/energy savings at scale, readiness/maturity of technology, public benefit (affordability, equity), feasibility within local institutional capacity, alignment with national/state priorities, and availability of matching funds or partnerships.

7. Data, Monitoring & Reporting

- All pilots and policy support activities will include a Monitoring & Evaluation plan with pre-defined KPIs (energy saved, cost per unit energy saved, emissions reduced, lifecycle cost, user satisfaction).
- EPAG will prepare an annual **Energy-Policy Support Report** summarizing activities, outputs delivered to government, pilot data and recommendations. This report will be publicly available (redacted where confidentiality is required) to ensure transparency and enable cross-learning.

8. Funding & Budgeting

- AUR will allocate institutional seed funds for high-impact demonstration projects and policy research; additional funding will be sought from government grants, industry partnerships and donor agencies. Budget lines for policy support, pilot instrumentation and capacity building will be included in annual research and infrastructure plans.

9. Confidentiality & Conflict of Interest

- Where government or industry partners require confidentiality for sensitive data, AUR will enter appropriate NDAs consistent with academic integrity. All potential conflicts of interest (e.g., faculty equity in spinouts) must be disclosed and managed as per university research integrity rules.

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10. Roles & Responsibilities

- **Energy Policy Advisory Group (EPAG):** accept/triage government requests, recommend projects, ensure scientific rigor.
- **Office of Research & Innovation (ORI):** manage funding calls, partnerships, IP and commercialization.
- **Energy Management Cell / Estate Office:** implement campus pilots, data collection and maintenance.
- **School/Department Leads:** provide subject-matter expertise and supervise student involvement.
- **Outreach & Training Unit:** design capacity-building modules and deliver training for government staff.

11. Capacity to Respond to Government Requests

- AUR will maintain a publicly visible intake channel for government requests (email/portal) and commit to an initial technical response within 15 working days and a delivery plan within 60 working days for routine advisory tasks; timelines for large studies will be mutually agreed.

12. Quality Assurance & External Review

- Major policy reports and technical guidelines prepared for government will undergo peer review or external expert validation before submission. Periodic external audits of the university's demonstration and monitoring methodologies will be commissioned.

13. Monitoring, Review & Continuous Improvement

- The policy will be reviewed annually by the EPAG and revised every three years to reflect technological change, evolving national priorities and lessons from implemented pilots. Biennial independent evaluations of impact on policy uptake will be conducted.

14. Dissemination & Alignment with THE Impact Metrics

- The university shall document and report its policy-support activities in formats compatible with THE Impact (SDG-7) evidence requirements, including copies of briefs submitted to government, workshop records, pilot performance data and capacity-building metrics.

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