

Role Profile: Principal Research Associate

About Alliance for an Energy Efficient Economy:

Alliance for an Energy Efficient Economy (AEEE) is a policy advocacy and energy efficiency market enabler with a not-for-profit motive. AEEE advocates energy efficiency as a resource and collaborates with industry and government to transform the market for energy-efficient products and services, thereby meeting India's energy security goals, clean energy, and climate change. AEEE collaborates with diverse stakeholders such as policymakers, government officials, business and industry, consumers, researchers, and civil society organizations. We believe that our work speaks for itself, and we hold Respect, Integrity and Synergy as central to our efforts

Purpose of the role

AEEE is looking for a self-motivated, passionate and collaborative professional with a problem-solving and growth mindset for the position of Principal Research Associate- Buildings & Communities. The professional will manage policy and research programmes and projects in areas including, but not limited to, thermal comfort, building energy efficiency, passive design, low climate-impact cooling solutions, district cooling, net-zero energy buildings and grid-interactive buildings.

Details of the role

Designation	Principal Research Associate/Manager	Function (Job function)	Research and policy advocacy related to energy efficiency in the buildings and communities
Employment type	Full time	Job Family (Specific sub-function)	Buildings & Communities
Location (City name)	New Delhi, India		

Responsibilities:

Key responsibilities

Manage the Space Cooling related portfolio of work to ensure excellence in outputs and strengthen AEEE's leadership in building energy efficiency, thermal comfort, energy-efficient and low-climate impact cooling for buildings and cities. The role involves two core functions:

Technical leadership: Apply subject-matter expertise, industry acumen and critical thinking towards the following:

1. Extensive and deep knowledge of building science and energy efficiency with a proven ability to apply domain knowledge in identifying eco-system gaps, solving problems leading to significant impact
2. Ability to grasp the potential of emerging concepts like IoT technologies for better monitoring and controls, digital twins, remote fault diagnostics, etc. to help craft next generation policies that will combine energy efficiency, security and computational analytics and visualisations;
3. Demonstrate superior first-principle based analytical thinking, emotional intelligence and problem-solving skills (go beyond the plain-vanilla energy audit, building energy modelling, green building certification skills) to frame issues in the proper context, and identify opportunities to produce practical and scalable solutions.
4. Demonstrate natural curiosity and a desire to acquire and upgrade the latest and relevant policy and technical knowledge and business intelligence in her/his domain by staying up to speed with the research and policy developments, industry and market trends
5. Grow and amplify AEEE's portfolio through compelling proposals, concept notes and thought leadership activities.

6. Proven experience and ability to review policies and propose amendments to furtherance the agenda of energy efficiency and climate change in the built environment
7. Demonstrate excellent stakeholder management skills, aptitude and perseverance to work closely with key ministries and attached departments at the centre and state level
8. Demonstrated ability to analyse emerging technologies and work with technology entrepreneurs, investors and financiers, private sector players to help design an ecosystem in the cooling, refrigeration, building and energy management space
9. Excellent written, visual and oral communication skills, with the ability to analyze and organize vast information (technical or non-technical) into compelling knowledge products and persuasive narratives for influencing meaningful change.

Team management: Cultivate a high-performance team and culture of collaboration, including the following:

1. Strategically guide team's, and AEEE's growth, with focused actions and activities that can differentiate AEEE and deliver world-class products (research papers, reports or services)
2. Nurture team members create opportunities for them, cultivate strengths through positive reinforcement, and address weaknesses constructively while instilling AEEE's RISE values.
3. Lead by example, setting high standards for efficient project execution and excellence in deliverables/outcomes
4. Demonstrate initiative to work effectively and independently with little guidance and sound discernment to make independent decisions where appropriate and seek support.
5. Assist in talent recognition, recruitment and retention, and mentor/build a mid-level and junior resources team.
6. Support senior leadership as needed through meaningful inputs for the growth of the organization.
7. Contribute to raising AEEE's profile by impactful participation in domain-area forums and communicating clear and persuasive messages to external stakeholders.

Academic qualifications and experience required for the role

<p>Required Educational Qualification & Relevant Experience</p>	<p>Required Educational Qualification</p> <ul style="list-style-type: none"> • Under-graduate in Architecture//Mechanical/Electrical, Architectural Engineering or similar discipline followed by • Post-graduate (MTech/ M.Arch./ MS in Building Science or Sustainable Design), from reputed institutions in India or overseas • Having a PhD degree will be preferable <p>Relevant Experience</p> <ul style="list-style-type: none"> • 8+ years of work experience in national/international organisations, companies, government agencies, with a demonstrated track record of successful engagement and management of complex projects in the field of energy-efficient buildings and cooling. • Minimum 5 years of professional experience in policy research and/or building energy efficiency policy implementation • Sound knowledge of the building energy efficiency and cooling related policy and regulatory framework in India and internationally. • Sound understanding and comprehension of ongoing initiatives on cooling from organizations such as GIZ, World Bank, International Energy Agency (IEA), SE4all, United Nations Environment Programme (UNEP), Cool coalition, United Nations Development Programme (UNDP). • Working knowledge of policies and programmes such as National Action Plan on Climate Change (NAPCC), National Mission on Himalayan Studies (NMHS), India Cooling Action Plan (ICAP), Pradhan Mantri Awas Yojna (PMAY), Energy Conservation Building Code (ECBC), Eco Niwas Samhita (ENS), ASHRAE 90.1 and green building rating systems • Be able to grasp the potential of emerging concepts like IoT technologies for better monitoring and controls, digital twins, remote fault diagnostics, etc. to help craft next generation policies that will combine energy efficiency, security and computational analytics and visualisations
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	<ul style="list-style-type: none"> • Experience and knowledge of building performance simulation tools, data analysis tools will be a distinctive advantage. <p>Other key requirements</p> <ul style="list-style-type: none"> • Must be open-minded, humble, flexible, and team player with a “can-do” attitude; • Ability to think critically and ask relevant and probing questions; • Well demonstrated and proven communication skills (e.g. writing, presentation and visualization) Strong ability to articulate, comprehend and synthesize technical information for people of different background (e.g. policy, research, private sector); • High degree of proficiency with spreadsheets, word processing, and presentation software; • Proficiency in big data analytics using Python, R, or Stata will be a big plus;
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What AEEE Offers You

- This is an exciting time to join a growing AEEE team at our LEED Platinum-certified office in New Delhi.
- AEEE advocates for data-driven and evidence-based energy efficiency policies that will unleash innovation and entrepreneurship to create an energy-efficient economy.
- We hold Respect for all, Integrity at all times, Synergy within AEEE and Excellence at work (RISE) as our core values and central to building a unique culture.
- We provide a dynamic and progressive environment with opportunities to grow professionally and personally while contributing to the country's progress.
- We have a start-up mindset and offer a friendly team environment with the opportunity to work on a highly successful and dynamic portfolio of programs where your performance and contributions to the growth of AEEE is the ticket to your professional excellence.
- We have a strong commitment to our people and strive to live by our values. We listen, learn, and provide equal opportunities to young and experienced staffers, technical, support function, and individual contributors

How to Apply

If you believe you meet the criteria listed above and would like to be part of the dynamic AEEE team, we would love to hear from you. Interested candidates are requested to send their Cover Letter and CV (no more than two pages and addressing how your experience fit the criteria) with the subject line **<PRA-Buildings and Communities>** to jobs@aeee.in