

## Role Profile: Expert – Power Sector

### 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 contributing towards meeting India's goals on energy security, 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 excellent work speaks for itself and we hold Respect, Integrity and Synergy as central to our efforts.

### Purpose of the Role:

AEEE is seeking an experienced and qualified candidate for the position of “**Consultant**” who will assist our Power Utility & Electric Mobility team in their research on the impact of Electric Vehicle (EV) charging on the costs of service of Distribution Companies (DISCOMs). This research team is engaged in a research project with an objective to develop the framework and recommendations for determining the appropriate tariff for EV charging. The initial duration of the contract would be for a period of two months and subject to renewal depending on the requirement of the research team and the performance of the candidate.

The candidate must have experience in power distribution sector and expertise in formulating tariffs for DISCOMs. The candidate should support the team in evaluating the cost of supply of a DISCOM to meet the additional load from EV charging and in carrying out cost-benefit analysis of establishing charging infrastructure.

### Details of the Role:

<b>Designation(s)</b>	Consultant	<b>Function (Job function)</b>	Research
<b>Grade and Level</b>	Professional	<b>Job Family (sub-function)</b>	
<b>Location (City name)</b>	New Delhi, India	<b>Employment type</b>	Part-Time

### Responsibilities:

- Staying abreast of the developments in India and globally in the power distribution and EV space
- Analyzing the existing policy, regulatory and scheme documents related to power sector, distributed energy resources and EVs
- Reviewing the current EV tariff schedules and tariff regulations adopted by different states and union territories in India
- Identifying and assessing the impact of EV integration into distribution grid on various components of the cost of supply for a DISCOM
- Conducting standalone evaluations of the cost of power supply for selected DISCOMs to meet the additional load from EV charging
- Estimating the increase in peak and off-peak power and energy demand for selected DISCOMs from EV charging and its impact on power procurement costs
- Studying the benefits of increasing EV penetration for selected DISCOMs such as revenue increase, flexible grid resource, increase in non-tariff incomes, etc.
- Carrying out a comprehensive cost-benefit analysis of installing a charging infrastructure from a DISCOM's perspective
- Identifying the key considerations which will be relevant for developing the EV tariff framework
- Developing the framework for determining an appropriate EV tariff which fits in Indian regulatory framework
- Testing the effectiveness of the framework by using real-world values for selected DISCOMs
- Identifying and engaging relevant stakeholders to take their feedback on the tariff framework and incorporating them in the preparation of the final report
- Formulating recommendations on possible regulatory changes required to adopt the tariff framework
- Providing advice and clarification on doubts raised by the research team with respect to power sector, tariff setting, demand response and EV charging

Academic Qualifications and Experience Requirements:	
<b>Required Educational Qualification &amp; Relevant Experience</b>	<ul style="list-style-type: none"> <li>Under-graduation in Economics followed by post-graduation in energy or policy field (MSc. / MBA/ MA) from reputed institutions in India or overseas; a PhD degree in a relevant discipline would be a definite plus. Or</li> <li>Under-graduation in Electrical Engineering or similar engineering discipline followed by post-graduation in energy or policy field (MSc. /MTech. / MBA) from reputed institutions in India or overseas; a PhD degree in a relevant discipline would be a definite plus.</li> <li><u>Minimum 10 years of quality professional experience</u> in consulting, policy and regulatory support, planning or implementation in the power distribution sector</li> <li>Experience in supporting DISCOMs, State Electricity Regulatory Commissions or Forum of Regulators in filing or reviewing tariff petitions/ orders, calculating energy sales, Aggregate Revenue Requirement, Average Cost of Supply, etc.</li> <li>Experience in reviewing and analyzing best practices related to tariff regulatory framework, especially related to EV and DSM would be advantageous.</li> </ul>
<b>Skillset Expectation</b>	<ul style="list-style-type: none"> <li>Strong conceptual as well as quantitative and qualitative analytical abilities</li> <li>Working in tight timelines</li> <li>Flair for finding action-oriented solutions to real-life problems</li> <li>Excellent oral and written communication skills</li> <li>Proficiency with spreadsheets, databases, word processing, and slide presentation software</li> <li>Strategic thinking outlook</li> <li>Eye for detail</li> <li>Good inter-personal skills and ability to work with team-members from diverse backgrounds</li> </ul>
Miscellaneous Info:	
<b>Reporting Matrix</b>	The candidate will report to Principal Research Associate of the research area
<b>What AEEE Offers You</b>	This an exciting time join AEEE as we continue to advocate for data driven and evidence-based policies that will unleash innovation and entrepreneurship within the country to create an energy-efficient economy. We hold <b>Respect</b> for all, <b>Integrity</b> at all times, <b>Synergy</b> within AEEE and <b>Excellence</b> at work (RISE) as our core values and central to building a culture that is unique to AEEE. We provide a dynamic and progressive environment with opportunities to grow both professionally and personally while contributing to the country's progress. We have a start-up mindset and offer a friendly team environment and 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 success. We have a strong commitment to our people and strive to live by our values as we listen and learn and provide equal opportunities to young and experienced people, to technical and support function folks, to people person and individual contributors to excel at AEEE.
<b>How to Apply</b>	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 CVs (no more than 4 pages, highlighting only the relevant experience) to <a href="mailto:shyamasis@aeee.in">shyamasis@aeee.in</a> . In the subject-line of your email, please mention " <b>Consultant – Power Sector</b> ". The position would be open till the time it is filled.