



South Asia Regional Energy Partnership (SAREP)

EXPRESSION OF INTEREST SAREP-EOI-FY22-004-Amendment 04

Issuance Date: March 7, 2022

RTI International invites Expressions of Interest (EOI) from qualified individuals who are legally allowed to work in one or more of the listed countries i.e., Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka and the requisite expertise to deliver professional services on a short-term basis in the areas of clean/renewable energy, advanced energy systems, and natural gas related topics, technical and institutional capacity building, and learning activities within the scope of the USAID South Asia Regional Energy Partnership (SAREP). RTI is an independent, nonprofit research institute dedicated to improving the human condition and based in North Carolina, USA. SAREP is a five-year USAID-funded program focused on facilitating collaboration among its six countries of operation to accelerate the transition to clean energy, mitigate climate change, and promote energy security, economic development, self-reliance, livelihoods, health, and productivity throughout the region.

More details about the program are available in the SAREP Factsheet, which is enclosed with this solicitation.

AREAS OF EXPERTISE

Successful candidates will provide on-demand technical support services in one or more of the technical areas of expertise listed below. No one candidate is expected to have or provide expertise in all the listed domains.

- Climate change and urban air pollution
- Environment conservation
- Regulatory analysis and tariff design for power and renewable energy (RE)
- RE policy, regulation, and grid integration
- Innovative technologies, practices, business models, and financing models for advanced energy systems
- RE technologies: design, adoption, integration, and scale-up, including repowering wind, renewable hybrids, and floating solar
- Energy storage including batteries, pumped hydro, and hydrogen
- Round the clock (RTC) procurement of RE and auction design
- Deployment of advanced energy systems and technologies (such as electric vehicles, distributed energy resources, productive renewable technologies, demand response, etc.)
- Experience in district cooling, chillers, tri-generation, and related technologies
- Cyber security and grid resilience
- End use/recycling/circular economy
- Hydrogen applications for the future
- Power system modeling, energy modeling, etc.
- Power sector planning, resource optimization, security, and resilience
- Energy policy and regulatory reform
- Governance and institutional analysis

South Asia Regional Energy Partnership (SAREP)

- Legal and regulatory experience in power and natural gas
- Policies, regulations, standards, and institutions for regional trade for electricity and gas
- Market competition promotion (energy-specific)
- Development of power markets (day-ahead, over the counter, real time, etc.)
- Energy procurement systems
- Design of procurement rules, bid documents, and evaluation
- Infrastructure and clean energy finance
- Innovative financing instruments like InvITs, green bonds and alternative investment funds
- Best value procurement models including analysis associated with value for money and economic internal rate of return (IRR)
- Sustainable public procurement
- Experience appraising projects for debt financing (experience working with banks/financial institutions required for this expertise)
- Fund-raising through initial public offering (IPO), strategic equity raise and/or similar instruments
- Sovereign bonds and concessional financing related initiatives
- Alternative investment funds
- Legal review and analysis of energy sector investment documents and contracts, support in legal due diligence of energy sector transactions
- Public and private sector investment for the deployment of advanced energy systems
- Mobilizing investments, transaction advisory in power and/or clean energy (including renewable) sectors
- Public-private partnership (PPP) projects, private sector engagement in power, and/or clean energy (including renewables) sectors
- Voluntary carbon market, Clean Development Mechanism (CDM) and projects associated with Article 6 of Paris Agreement
- Power procurement, power management, and cost optimization
- Energy accounting, deployment of meters, and loss reduction
- Energy efficiency in various sectors particularly buildings, small medium enterprises (SMEs), etc.
- Diversification of energy resources
- Design/adoption of distributed energy, electric vehicles, and/or modern gas systems
- Distribution utility reform and modernization
- RE grid integration
- Smart grid and its components such as smart meters, Advanced metering infrastructure AMI, Supervisory Control and Data Acquisition (SCADA), Distribution Management System (DMS), etc.
- Modernization of system operation and load dispatch
- Sub-transmission and distribution network planning, design, operation, and investment mobilization
- Deployment of resilient and distributed energy services
- Natural gas policies, regulation, and infrastructure development (terminals, pipelines, etc.)

South Asia Regional Energy Partnership (SAREP)

- Transmission planning and network design
- Power system operation, load dispatch and market coordination
- Regional transmission connectivity
- Cyber security and digitization
- Capacity building and knowledge dissemination

Essential knowledge, skills, and abilities (KSAs):

- Minimum of 5 years' experience in one or more of the above-listed areas of expertise, particularly in South Asia.
- Familiarity with the trends, technologies, and regulations in the power, renewable, and broader energy sector and the challenges associated with their deployment/implementation.
- Familiarity with the political, social, and cultural context of working in South Asia.
- Ability to work in fast-paced environment and meet deadlines.
- Excellent reading, writing and presentation skills in English are required.
- Fluency in native language, other than English.
- The ability to legally work in one or more of the following countries Bangladesh, Bhutan, India, Maldives, Nepal, or Sri Lanka.

Valued but not required KSAs:

- A master's degree in economics, energy, engineering, finance, business administration, management, political science, policy, legal, and/or other related fields; or equivalent number of years' experience in one or more of the above-listed areas of expertise.
- The ability to multitask and manage small teams.
- Proficiency with Excel in order to conduct data analysis.
- The ability to work with limited supervision.
- Prior work with international organizations particularly USAID is considered as an advantage.
- Good attendance and a commitment to being on time.
- High level of ethics, honesty, discipline, and professionalism.
- Possess a positive attitude and be a team player.

PHYSICAL DEMANDS & WORK ENVIRONMENT

The consultant will primarily work from home with occasional travel to RTI New Delhi Office, project locations, and meetings with stakeholders required. Travel to countries in South Asia may be required.

SUBMISSIONS GUIDELINE

1. A cover letter in English describing how the applicant fits for these consultancy requirements in terms of sectors, technical expertise, general qualifications, and professional experience. Please clearly indicate specific sector(s) and technical expertise the applicant possesses, has proven track records of achievements, and outline contact details of three independent work referees.
2. Updated CV must be in English.

South Asia Regional Energy Partnership (SAREP)

3. Expressions of interest should be submitted via email to SAREP-Procurement@rti.org no later than **Friday, April 8, 2022, at 5 pm Indian Standard Time (UTC/GMT +5:30 hours)**.
 - a. SAREP-EOI-FY22-004-Amendment 01 included the incorrect submission deadline of April 25, 2022, please note the correct deadline above.
4. Applicants should indicate the reference number on the subject line of their email as follows: SAREP-EOI-FY22-004-Amendment 04
5. Note: applicants who have previously applied need not apply again.

This call for Expression of Interest does not constitute a solicitation. RTI does not require proposals and prices at this stage; RTI merely seeks your expression of interest in participating in any future acquisition of the described types of services.

Due to the anticipated high volume of communications in response to this request for Expression of Interest (EOI), RTI will not issue confirmation as to receipt of EOIs.

Disclaimer: *Issuance of this EOI does not constitute an award commitment on the part of SAREP nor commit the project to pay for costs incurred in the preparation and submission of an EOI. Further, SAREP reserves the right to reject any or all EOI received. Similarly, an invitation for further negotiation or to submit a full application is not a commitment to award the contract to that application.*