

Terms of Reference
Council on Energy, Environment and Water (CEEW), New Delhi

Programme Associate/Research Analyst- Low Carbon Pathways- Two positions

COUNCIL ON ENERGY, ENVIRONMENT AND WATER

The Council on Energy, Environment and Water (<http://ceew.in/>) is one of South Asia's leading not-for-profit policy research institutions. CEEW addresses pressing global challenges through an integrated and internationally focused approach. It prides itself on the independence of its high quality research, develops partnerships with public and private institutions, and engages with wider public.

We are proud that we have been featured extensively across nine categories in the '2017 Global Go To Think Tank Index Report', including being ranked as South Asia's top think tank (14th globally) with an annual operating budget of less than US\$5 Million for the fifth year running. In 2016, CEEW was also ranked 2nd in India, 4th outside Europe and North America, and 20th globally out of 240 think tanks as per the ICCG Climate Think Tank's standardized rankings. In 2013 and 2014, CEEW was rated as India's top climate change think-tank as per the ICCG standardized rankings.

In over six years of operations, CEEW has engaged in more than 180 research projects, published well over 110 peer-reviewed books, policy reports and papers, advised governments around the world over 400 times, engaged with industry to encourage investments in clean technologies and improve efficiency in resource use, promoted bilateral and multilateral initiatives between governments on more than 50 occasions, helped state governments with water and irrigation reforms, and organised more than 210 seminars and conferences.

CEEW's major projects on energy policy include India's largest energy access survey (ACCESS); the first independent assessment of India's solar mission; the Clean Energy Access Network (CLEAN) of hundreds of decentralised clean energy firms; India's green industrial policy; the \$125 million India-U.S. Joint Clean Energy R&D Centers; developing the strategy for and supporting activities related to the International Solar Alliance; modelling long-term energy scenarios; energy subsidies reform; decentralised energy in India; energy storage technologies; India's 2030 renewable energy roadmap; solar roadmap for Indian Railways; clean energy subsidies (for the Rio+20 Summit); and renewable energy jobs, finance and skills.

CEEW's major projects on climate, environment and resource security include advising and contributing to climate negotiations (COP-21) in Paris; assessing global climate risks; assessing India's adaptation gap; low-carbon rural development; environmental clearances; modelling HFC emissions; business case for phasing down HFCs; assessing India's critical

mineral resources; geoengineering governance; climate finance; nuclear power and lowcarbon pathways; electric rail transport; monitoring air quality; business case for energy efficiency and emissions reductions; India's first report on global governance, submitted to the National Security Adviser; foreign policy implications for resource security; India's power sector reforms; resource nexus, and strategic industries and technologies for India's National Security Advisory Board; Maharashtra-Guangdong partnership on sustainability; and building Sustainable Cities.

CEEW's major projects on water governance and security include the 584-page National Water Resources Framework Study for India's 12th Five Year Plan; irrigation reform for Bihar; Swachh Bharat; supporting India's National Water Mission; collective action for water security; mapping India's traditional water bodies; modelling water-energy nexus; circular economy of water; and multi-stakeholder initiatives for urban water management.

Terms of Reference

Designation offered: Programme Associate / Research Analyst

Purpose: CEEW seeks to hire a suitable candidate for the position of Programme Associate/ Research Analyst to expand its work on in the area of low carbon pathways, energy modelling, energy policy and climate policy. Our programme of work on modelling and policy analysis is driven with the broader objective to support India's energy and climate policy through evidence based unbiased research and cutting edge analytical approaches. The candidate should have a strong interest in energy and climate policy issues along with inclination and aptitude towards modelling based analysis.

Job Duties and Accountabilities

Research

- To assist in CEEW's energy and climate policy modelling research, mainly but not limited to the Global Change Assessment Model (GCAM).
- To undertake scenario analysis through GCAM and excel based analysis based on GCAM output.
- To develop research projects to strengthen and expand the existing programme of research with particular focus on modelling energy demand and supply sectors.
- To survey and analyse the research data using different data analysis software and tools
- To publish in high quality peer reviewed national and international journals.
- To present research to key constituencies, advisory bodies, conferences & research institutes.
- To develop research networks locally, nationally and internationally in support of research programmes.

- To extrapolate and verify data provided by research analysts/programme officers, evaluate, organise and edit the data into comprehensive standard report forms.
- To develop surveys and questionnaires and to collect, collate and analyse responses using different data analysis softwares and tools.
- To keep a tab on the policy developments in India and across key countries of the world on energy and climate policy.
- To keep abreast of developments in the oil and gas and transportation sectors
- To write research reports/papers.
- To generate knowledge content – blogs, policy briefs in regular intervals.
- To engage with relevant stakeholders, represent organisation and attend conferences and sessions, relevant to climate policy.
- To travel to project sites, when required, to conduct interviews or collect data for different research projects.

Selection Criteria

Education

- Master's degree with specialisation in energy economics, public policy or related field.
- Should have a strong research background, including an understanding of experimental and analytical research.
- Familiarity with quantitative skills and modelling analyses.

Business experience

- At least two years of relevant work experience in the field of research, policy engagement and project management, preferably in the area of energy policy, fossil fuels, renewable energy, climate policy for Research Associate position. Freshers are eligible to apply for the Research Analyst position.
- Strong track record of project assistance and timely delivery of outputs.
- Experience in dealing with public and private institutions.

Main skills

- Strong analytic skills including quantitative research skills.
- Strong networking and business development skills.
- Strong project management skills.
- Ability to conduct techno-economic analysis, cost & benefit analysis, sound knowledge of basic economic principles.
- Good written and oral communication skills; Good report writing skills.
- Ability to use MS Office application suit including MS Excel.
- Desirable: Relevant publications in peer reviewed journals/book chapters.

Personality

- Willingness to learn new (research and project management) skills.
- Ability to adapt to new environment and deliver under tight deadlines in a professional environment.
- Striving for rigour in research and quality in work output.
- Ability to effectively work in a team while being able to independently drive research with minimum assistance, when time demands.
- Ability to dig deeper into details, while also keeping a sense of the broader objectives and big picture.
- Willingness to learn, grow and develop at personal and professional front, at a rapid pace with a steep learning curve.
- Ability to work in an interdisciplinary and multicultural environment.

CEEW operates in a dynamic environment and the candidate will be required to show flexibility in undertaking a variety of tasks.

Compensation

Competitive compensation – commensurate to the experience, and matching the best of standards adopted by industry or other similar organisations for similar roles

Application process:

Interested candidates are requested to share their CV and cover letter explaining your interest in the position (in one document preferably PDF) and send it to: jobs@ceew.in with ‘Application –Research Analyst Low Carbon Pathways’ as the subject line. Applications will be considered on a rolling basis.

CEEW is an equal opportunities employer and female candidates are encouraged to apply. Applications will be reviewed on a rolling basis. Only shortlisted candidates will be notified.