

## Terms of Reference

### Research Analyst – Air Pollution and Health

#### **About CEEW**

The Council on Energy, Environment and Water (<http://ceew.in/>) is one of South Asia's leading not-for-profit policy research institutions. CEEW uses data, integrated analysis, and outreach to explain – and change – the use, reuse, and misuse of resources. 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.

In 2018, CEEW once again 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 USD 5 million for the fifth year in a row. 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 standardised rankings. In 2013 and 2014, CEEW was rated as India's top climate change think-tank as per the ICCG standardised rankings.

**In over seven 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); clean energy innovations for rural economy; solar for healthcare; 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-23) in Bonn, especially on the formulating guidelines of the Paris Agreement rule-book; pathways for achieving INDCs and mid-century strategies for decarbonisation; assessing global climate risks; heat-health action plans for Indian cities; 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 low-carbon 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; participatory irrigation management in South Asia; domestic water conflicts; modelling decision making at the basin-level; rainwater harvesting; and multi-stakeholder initiatives for urban water management.

**Job Designation:** Research Analyst – Air Pollution and Health

**Job Location:** New Delhi, India

**Reporting:** Senior Research Associate

### **Purpose**

CEEW seeks to hire a suitable candidate for the position of Research Analyst to expand its work on in the area of air pollution and health. The Research Analyst would conduct quantitative and qualitative research, including data analysis, statistics, survey design, stakeholder interviews and engagement, and would support the advancement of the research and policy engagement under the climate risks and adaptation programme. Experience in research framework development, research methodologies, estimations using secondary data would be useful.

### **Job Duties and Accountabilities**

#### **Research**

- Conceptualize research frameworks and approaches with support from senior team members. Conduct in-depth literature review for assigned research projects and keep a tab on current debate/ research on air pollution issues in national and global context
- Conduct secondary research using publicly available information and data to analyse and evaluate the problem at hand
- Take responsibility for survey designs, questionnaire development, field piloting and survey instrument testing, etc., as per research requirements
- Conduct qualitative research, interviews, focused group discussions, Delphi processes etc., as per the research requirements
- Conceptualize innovative ideas to better understand, measure, monitor, communicate and improve the situation of outdoor and indoor air pollution risk in the country
- Write research reports/papers
- Generate knowledge content – blogs, policy briefs at regular intervals

#### **Project/Programme assistance**

- Take ownership of specific projects and assist in overall plan of activities under the risks and adaptation programme, by being an integral part of the team
- Proactively manage project deliverables, resources within time and budget constraints
- Prepare presentations, fact sheets, and other research communication material
- Support effective outreach of research outputs, through close coordination with communications team, engagement with wider network of stakeholders, and concerned policymakers
- Support senior team members for important meetings and sessions, prepare notes, and conduct follow-ups, as required
- Oversee and support junior team members to help them deliver at their best

## Selection Criteria

### Education

Master's degree with specialization in air quality monitoring/ environmental economics/ sustainability/ environmental law and policy/ chemistry. OR Bachelor's degree (engineering/economics/etc.) with equivalent experience.

### Experience

At least two years of relevant work experience in the field of **research, innovation, policy engagement and project management**, in the field of air pollution and health.

### Main skills

- Strong analytic skills including quantitative research skills (statistics) Ability to conduct air pollution monitoring, modelling related to air quality and health impacts assessment
- Experience in qualitative research methodologies to collate and analyse information from interviews, focused group discussions, etc.
- Good written and oral communication skills; Good report writing skills
- Ability to use MS Office application suit including MS Excel
- Ability to use statistical packages like Stata, R would be an advantage.
- 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
- Driven to create an on-ground impact, with a focused approach to achieve the same
- 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

### Compensation

Competitive compensation – commensurate to the experience and matching the best of standards adopted by industry or other similar organizations 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](mailto:jobs@ceew.in) with 'Application –Research Analyst Air Pollution and Health' 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 by us.*