

## Terms of reference

**Location:** Centre for Policy Research, New Delhi

### **About Us:**

The Transboundary Rivers Ecologies and Development Studies (TREADS) Initiative at the Centre for Policy Research, New Delhi targets policy thinking and public discourse on water governance in India. It encompasses and embodies our research and policy engagement interests in transboundary political ecologies, river water governance, and development studies.

We are looking for a Consultant to support TREADS@CPR for various WebGIS and data analytics related activities. The Consultant shall closely work with the TREADS team to support various WebGIS related work for the Sahyog Ganga (Ganges Module Basin Map) (Link to Map attached) and contribute to the following activities:

- Expanding and reorganizing the existing Ganges Basin Module based on various parameters and spatial scales such as subbasins, institutional jurisdictions of various authorities, etc.
- Visualizing conflict and cooperation points for international agreements pertaining to the Ganges Basins.
- WebGIS support for visualizing project-specific information. In particular, mapping benefits distribution from various Ganges-related inter-state projects such as net irrigated area, hydropower generation, flood protection, etc.

### **Essential Qualifications:**

- Strong GIS knowledge and proficiency with ArcGIS Enterprise SDK and ArcGIS Pro SDK.
- Experience in development using JavaScript, ReactJS, ArcPy, and Python.
- Experience with mapping libraries like Leaflet or OpenLayers.
- Proficiency with map servers such as ArcGIS Server and GeoServer.

### **Application Process:**

Interested candidates should submit the following documents:

- Current resume or CV.
- Sample of your previous work published for easier assessment.
- Contact information for professional references.

\*Apply on [treads@cprindia.org](mailto:treads@cprindia.org) . The subject of the Email: Consultant | Ganges Module | [Your Name].