

Power Foundation of India
B-28, Qutub Institutional Area, New Delhi 110016

No. PFI/HR/Recruitment/2026/____

Dated: 23 October 2026

Position : Sr. Associate – Technology, Digital & AI
No. of Positions: One
Location : New Delhi
Nature of Appointment : Regular, Full-Time
Reporting To : Head - DA

1. About the PFI

The Power Foundation of India (PFI) is a think-tank and a policy advocacy body, registered as Society under the aegis of Ministry of Power (Government of India), promoted by leading power sector CPSUs, undertakes policy advocacy, capacity building, research, knowledge dissemination and sectoral development initiatives for the Indian power sector.

2. Role Purpose

To support digital developments / architecture, data-driven analysis, digital transformation and evidence-based decision-making, data support towards policy advocacy in the power sector. The position will oversee the operation and periodic enhancement of the organization's digital assets including energy dashboard; support migration to open-source technology; develop architecture for digitalization context, develop analytical inputs using power-system modelling tools; and execute digital initiatives, including application development, pilots and proof-of-concept (PoC) projects & generate analysis to support policy making.

3. Key Responsibilities

- **Data Engineering & Analysis and Energy dashboard management:** Oversee day-to-day functioning of Dashboard, quality data preparation and analysis, refresh cycles and performance of the energy dashboard; coordinate automatic periodic updates and enhancements based on requirements, policy priorities and changes in sectoral landscapes.
- **Digital initiatives and AI:** Execute digital initiatives as directed, including application development, pilots and PoCs for Digital and AI use cases; translate business needs into functional requirements, coordinate with technical teams and users, test outputs, track issues and support deployment.
- **Power-system modelling and analytics:** Generate analytical inputs using open-source power-modelling and analytical tools for resource adequacy, demand and generation forecasting, and other emerging power-sector questions; document assumptions, scenarios, limitations and key findings.
- **Power-sector data flows:** Understand and map data flows from field-level or source systems through state and regional aggregation to consolidated national dashboards; identify gaps, inconsistencies, delays and opportunities to improve data governance and interoperability.
- **Regulatory and institutional context:** Track and develop a working understanding of central and state-level regulatory processes, institutions, regulations, orders and data-reporting requirements relevant to the power sector; reflect relevant developments in applications and platforms
- **Power-sector snapshots:** Prepare monthly power-sector snapshots using validated datasets, charts, indicators and concise interpretation of important trends, changes and emerging issues.
- **Open-source migration:** Plan and support migration of the existing dashboard to suitable open-source technologies, including requirements definition, data/model migration, testing, documentation, deployment and user acceptance.



- **Data-based articles, news and insights:** Prepare data-based articles, news or insight items for the power sector, using credible sources and verified data; highlight material movements, trends and developments in a clear, accurate and accessible format.
- **Research, visualisation and reporting:** Analyze operational and sectoral datasets; create clear visualisations, briefing notes, reports and presentations for internal and external stakeholders.
- **Stakeholder coordination and documentation:** Engage with data providers, domain experts, technology teams and relevant stakeholders to clarify requirements and validate outputs; maintain documentation for data definitions, methodologies, assumptions, release cycles and dashboard changes.
- **Other assignments:** Provide application, analytical, digital and cross-functional support to the relevant team and undertake other related works as assigned.

4. Essential Qualifications

- Bachelor's degree in Computer Engineering, Computer Science, Information Technology or a closely related discipline, supplemented by an MBA or M.Tech in a relevant field.
- Substantial experience in IT-enabled software development, data analytics and visualization for at least 5 years .
- Minimum 2 years experience in Power Sector.
- Relevant qualifications should be from a recognized university or institution.

Desirable:

- Candidates with experience in Artificial Intelligence (AI) or certified in AI by recognized government institutions shall be given preference.

5. Experience and Desired Profile

- Relevant professional experience of 5-8 years post-qualification experience in digital development, data analytics, dashboard development/management including migration, digital solutions or IT-enabled power-sector work. Experience in the power sector is mandatory.
- Hands-on experience with data analysis, data visualisation, dashboard tools and application development or implementation.
- Strong knowledge of IoT systems and real-time data processing
- Expertise in Big data technologies such as Spark, Hadoop, and other related technologies
- Exposure to open-source technologies and tools for data engineering, analytics, visualisation or power-system modelling.
- Understanding of the Indian power sector, including central and state-level institutions and regulatory processes, is highly desirable.
- Knowledge of the digital tools in Power sector, open-source software, migration and IT architecture.
- Experience in forecasting, resource adequacy, power-system planning or related analytical assignments would be an advantage.

7. Technical and Domain Competencies

- Data analytics and visualization; ability to convert complex datasets into clear indicators, charts and decision-ready insights.
- Dashboard design, maintenance, quality assurance and iterative enhancements.
- Working knowledge of relevant programming, MERN framework, database, API, data-processing and open-source visualization technologies.
- Proficiency in programming languages and libraries – Python, TensorFlow/PyTorch and NLP
- Familiarity with open-source power-system modelling tools and methods relevant to resource adequacy and forecasting, or the ability to learn and apply them quickly.
- Working knowledge of AI based solutions in power sector.
- Data quality management, validation, reconciliation, metadata and documentation.
- Ability to interpret power-sector datasets and communicate analytical findings accurately to technical and non-technical audiences.



- Strong written communication for daily data-based news, monthly snapshots, reports and presentations.
- Planning, coordination, problem-solving and delivery within defined timelines.

6. Salary / Compensation

Remuneration: The CTC of the selected candidate shall be protected, and an additional increase of 10% to 30% over the existing CTC may be offered, as per PFI policy, depending upon the candidate's qualifications, relevant experience, competencies, and overall suitability for the position. The selected candidate shall be entitled to PF, gratuity, medical/insurance coverage, and other applicable benefits in accordance with the rules, policies, and terms and conditions of PFI, as applicable from time to time.

7. Nature of Appointment : Regular, Full-Time

The selected candidate will be appointed on a regular full-time basis, subject to satisfactory verification of credentials and fulfillment of the organization's applicable service rules. Compensation and benefits will be as per the organization's rules and policies.

8. Deliverables

- **Digital initiative delivery:** Development & Implementation of digital application/s, pilots and PoCs against agreed scope, timelines and acceptance criteria, identified AI use case pilots.
- **Dashboard reliability and relevance:** Availability, data accuracy, timeliness of refreshes and completion of agreed enhancements.
- **Analytical outputs to support Policy Advocacy:** Quality, reproducibility and timeliness of modelling inputs, forecasts and resource-adequacy analysis.
- **Power-sector publications:** Timely monthly power snapshots and daily data-based news, with verified data and clear interpretation.
- **Open-source migration:** Progress against approved migration milestones, quality of testing, documentation and successful handover.
- **Data-flow understanding and quality:** Identification and resolution/escalation of data gaps, inconsistencies and reporting bottlenecks.
- **Regulatory and sectoral awareness:** Ability to identify relevant central and state-level developments and incorporate them into outputs.
- **Stakeholder support and delivery:** Responsiveness, documentation quality and completion of assigned work within defined timelines.

9. Age Limit

Maximum 35 years as on the closing date of application. Age relaxation may be provided at competent authority's discretion for exceptional candidates.

The candidates shall submit applications in the prescribed format by 29th October 2026 up to 1800 hrs. Incomplete applications or applications of candidates not having the requisite qualification/experience shall be rejected summarily.

The application format and details are available on the Power Foundation of India's website www.powerfoundation.org.in under the link "Careers".



Addl. GM-HR & Admin

Date: 23.10.2026

