

## Policy and Human Resources Development Funded Staffing Program

TOR No	2020 – EAP Energy 1
Organization	The World Bank
Sector	Energy
Recruitment Type	International Recruitment
Title	Senior Power Engineer
Grade	GG
Unit	Infra EAP Energy 1
Duty Location	To be determined in the recruiting process
Appointment Type and Duration	Two-year Term Appointment
Required Language	English

### Background

The World Bank Group (WBG) is one of the largest sources of funding and knowledge for developing countries; a unique global partnership of five institutions dedicated to ending extreme poverty, increasing shared prosperity and promoting sustainable development. With 189 member countries and more than 120 offices worldwide, WBG works with public and private sector partners, investing in groundbreaking projects and using data, research, and technology to develop solutions to the most urgent global challenges.

The Infrastructure Practice Group of the World Bank is charged with developing sustainable solutions to help close infrastructure gaps in developing and emerging economies. As part of it, the Energy & Extractives Global Practice is made up of more than 300 professionals, a lending program in the order of US\$7 billion a year, an active portfolio of some \$30 billion, and a rich program of advisory services and analytical works. The Energy & Extractives portfolio is characterized by many large and complex operations.

One of the challenges in the energy sector is the accessibility to electricity. Over 1 billion people still don't have access to electricity worldwide. Providing reliable electricity to the unserved and inadequately-served people of the world is central to efforts to eradicate extreme poverty and create shared prosperity.

Another challenge in the sector is the mitigation of climate change. In terms of the resources for electric power generation, fossil fuel still plays a dominant role in most of the countries. Making the best use of available zero or low carbon technologies and solutions is always expected in WBG operation.

WBG's programs are designed to support the achievement of Sustainable Development Goals and the Paris Climate Change Agreements. The Energy side of the practice focuses on providing affordable, reliable and sustainable energy to meet the needs of fast-growing economies and to ensure universal access to modern energy services for people in client countries.

## **Duties and Responsibilities**

The Senior Power Engineer will serve as Task Team Leader (TTL) and/or support TTLs as a team member in delivering and implementing energy operations and other activities in East Asia and Pacific (EAP) region. The Senior Power Engineer will play an active hands-on role in Investment Project Financing preparation and supervision, and non-lending activities. This will cover a variety of analytical work, implementation support and project management tasks, including analytical and advisory aspects. These include:

- Lead and/or support the preparation and supervision of investment operations in energy sector, including projects for power generation, renewable energy, battery storage, transmission and distribution facilities, smarter grid technologies, power system planning, cost and pricing of electricity services, utility management and performance, low carbon strategies, climate resilience, and public private partnership investments;
- Lead and/or provide inputs to WBG's operational products/outputs for sector and country briefings, and contribute to analytical and advisory work, reports and studies, portfolio performance and monitoring reviews;
- Support policy dialog and advise the clients, the World Bank team and the management on policy and regulatory issues in the energy sector;
- Contribute to the Maximizing Finance for Development approach with the objective to help EAP countries maximize their development resources by drawing on a range of financing sources and sustainable private sector solutions;
- Develop and maintain close relationships with development partners, and public and private stakeholders active in the energy sector in EAP region;
- Contribute to the coordination with stakeholders, specifically with national government and non-governmental institutions, as well as regional organizations in the energy sector;
- Collaborate within and with the World Bank teams and across boundaries, and gives own perspective and willingly receives diverse perspectives;
- Review documents from clients and provide constructive contributions from the standpoint of an experienced power engineer;
- Prepare proposals for the World Bank executed trust fund, and implement technical assistance for clients to promote projects adequately; and
- Provide technical training, mentoring, and career advice to junior members of the World Bank teams and engage in team-building activities in the regional energy practice and country units.

## **Selection Criteria**

- At least 10 years of experience in energy sector;
- At least 7 years of experience in power engineering, including system planning, infrastructure design, and construction supervision/monitoring;
- At least Master's Degree in engineering or a related field;
  
- Strong knowledge of renewable energy, transmission and distribution, and on-grid and off-grid electrification;
- Hands-on experience with or within electric power utilities;
- Understanding of energy policies, regulations, new technologies, strategies, utility practice, and private sector participation;
  
- Good project management skills and ability to work effectively on multiple activities simultaneously;
- Strong problem-solving skills under complex bureaucratic environments;
- Ability to work with and lead diverse teams in developing and implementing energy operations;
- Proficiency in spoken and written English;
- Self-starter and ability to work independently with limited supervision; and
- Flexibility in quickly adjusting to changing work program requirements.