Terms of Reference (TOR)
Senior Economist

1. Background

The Government of Pakistan, in collaboration with development partners, is implementing comprehensive reforms to strengthen the analytical foundation for evidence-based economic policymaking in the energy sector. The power sector plays a pivotal role in shaping Pakistan's macroeconomic stability, competitiveness, and fiscal sustainability.

Advanced economic modeling, including Computable General Equilibrium (CGE) and macroeconomic frameworks, is essential to assess the economy-wide implications of power sector reforms, energy pricing adjustments, subsidy rationalization, and climate policies. To support this analytical agenda, a Senior Economist will be engaged under this framework to provide high-level economic expertise, technical leadership, and policy analysis aligned with international best practices and the World Bank's analytical standards.

2. Objectives of the Assignment

The primary objective of this assignment is to enhance the capacity for quantitative policy analysis in the energy and macroeconomic domains by:

i. Designing and applying economy-wide models to evaluate the fiscal, trade, and welfare impacts of power sector reforms.
ii. Supporting evidence-based decision-making through scenario analysis and impact assessment.
iii. Contributing to national strategies such as the National Electricity Plan and Integrated Energy Planning (IEP) framework, ensuring transparency, policy coherence, and alignment with sustainable development goals.

3. Scope of Work

The key tasks and responsibilities of the Senior Economist will:

i. Development, calibration, and application of CGE and macroeconomic models to assess linkages between energy reforms and the broader economy.
ii. Integration of cross-sectoral data, including energy, fiscal, trade, and poverty data—into consistent modeling structures.
iii. Simulation of policy scenarios related to energy pricing, fiscal reforms, and energy transition pathways.
iv. Analysis of macroeconomic implications of renewable energy integration, carbon pricing, and subsidy restructuring.
v. Coordination with technical teams, policymakers, and international partners to ensure alignment with global methodologies and data standards.
vi. Capacity-building and knowledge transfer to relevant institutions.
vii. Lead the design and implementation of CGE and macroeconomic models tailored to Pakistan's energy and fiscal policy environment.
viii. Conduct policy simulations and scenario analysis to assess the effects of reforms on economic growth, inflation, and welfare.
ix. Develop and update Input–Output (I–O) Tables and Social Accounting Matrices (SAMs) to support modeling exercises.
x. Integrate inter-sectoral linkages—such as energy–food, fiscal–poverty, and climate–growth dynamics—into economic analyses.
xi. Prepare analytical reports, policy briefs, and technical documentation.
xii. Collaborate with government institutions, regulators, and development partners to ensure policy relevance and dissemination of findings.
xiii. Deliver capacity-building sessions and workshops for institutional stakeholders.

7. Qualification & Skills Requirements

i. Master's or Ph.D. in Economics, preferably in Applied, Development, or Energy Economics.
ii. Advanced training or certification in CGE modeling, econometrics, or related analytical disciplines will be considered an asset.
iii. Strong expertise in macroeconomic and sectoral modeling, including policy simulation and economic forecasting.
iv. Proficiency in analytical and quantitative software such as GAMS, GEMPACK, R, Python, or MATLAB.
v. Ability to synthesize complex modeling outputs into clear policy recommendations.

8. Experience Requirements

i. Minimum 8 years of professional experience in economic modeling, policy analysis, or quantitative research. The candidate must have substantial international experience.
ii. Demonstrated experience in leading or contributing to CGE-based policy studies with government or international institutions (e.g., World Bank, UNDP, FAO, ADB).
iii. Expertise in at least one of the following thematic areas: Energy pricing and subsidy reforms; Fiscal

and growth modeling; Intersectoral linkages (energy–food–poverty–climate); Carbon pricing and renewable energy integration.

iv. Proven record of producing technical reports and publications for policymaking audiences.

6. Contract Type

i. The Contract will be **Time-based** with a full-time basis level of effort.

7. Remuneration

i. The monthly remuneration will be competitive and commensurate with qualifications and experience.

8. Duration

i. The assignment will be for a period of one (1) year.

9. Reporting

i. The Senior Economist will **functionally report** to the MD (PPMC) and Chief (Integrated Planning & Economic Analysis) of the designated entity, working in close coordination with technical, research, and policy teams.

ii. The consultant will directly report to the Project Director administratively.

10. Expected Commencement Date

The expected commencement date is 01-Feb-2026

11. Facilities Provided to the Consultant

The consultant will be provided co-working space at PPMC Office, Islamabad.