

**TERMS OF REFERENCE (TOR)**  
**FOR**  
**HIRING OF CONSULTANT(s) TO PREPARE**  
**PUNJAB ALTERNATIVE & RENEWABLE ENERGY POLICY 2020**

**A. INTRODUCTION**

Punjab Power Development Board, Energy Department, Government of the Punjab (hereinafter to referred as the Employer) intends to hire consultant(s) to prepare Punjab Alternative & Renewable Energy Policy 2020 (the “Punjab ARE Policy 2020”).

**B. BACKGROUND**

Government of Pakistan (GoP) has approved and notified Alternative and Renewable Energy Policy 2019 (the “ARE Policy 2020”) on October 2, 2020. The target set in ARE Policy 2019, is to add 20% Renewable Energy (RE) in the national grid by 2025 and 30% by year 2030 with the vision of development of an efficient, sustainable, secure, affordable, competitive & environment friendly power market while promoting indigenization of technology. The major shift in the policy is the introduction of competitive regime for mature RE technologies like solar & wind and promulgation of Steering Committee for the future ARE procurement for utility scale projects in the country.

Punjab with nearly 53% of Pakistan’s population have around 70% electricity consumers & 82% revenue generation for the power sector of Pakistan. The sectoral electricity consumption in punjab is about 49% by Domestic, 28 % Industry, 8% agriculture and 7% by Commercial consumers. (Source: NEPRA State of Industry Report 2019 / Energy Year Book 2019). Punjab, therefore needs to develop its own ARE Policy in line with the vision of GoP to harness the ARE potential in Punjab and to provide sustainable, secure and affordable electricity for its population and masses.

**C. OBJECTIVES**

1. To provide sufficient, adequate, efficient and environmentally compliant power generation capacity at the least cost and to meet the existing and upcoming load demand in Punjab / Pakistan

2. To encourage and ensure development of power generation through cost effective local resources including solar, wind, biomass/biogas, waste to energy etc.
3. To protect the environment by increasing the share of green energy in the overall energy mix
4. To extend incentives, concessions and protections to the private sector investment under the federal and provincial power policies
5. To provide facilitation to the private power projects in Punjab with co-facilitation of concerned federal entities through the new regime of Tri-Partite LOS (Tri-LOS)
6. To develop power sector programmes with institutional & infrastructural support and to attract private investment for such programmes offers e.g. solar and wind park, provision of waste and biomass for power generation
7. To develop and open up the power market
8. To encourage private sector investment for development of RE based power generation for the national grid as well as for off grid load clusters including industrial estates
9. Develop ARET local manufacturing, skilled human resource and technology transfer

#### **D. SCOPE OF WORK**

The Consultant(s) shall review the existing Punjab Power Generation Policy 2006-revised 2009, Federal ARE Policy 2019 and prepare Punjab ARE Policy 2020 based on but not limited to following key areas;

1. Punjab ARE Policy 2021 vision, roadmap for short, medium and long term (on grid & off grid) targets
2. Framework to promote / harness the types of ARE Technologies in Punjab
3. Guideline for preparation of Punjab ARE portfolio in view of IGCEP and RE locational study by the World Bank
4. Mechanism and approval of Punjab ARE portfolio prior to its presentation before the Federal Steering Committee
5. Modes of procurement and processing of utility scale ARE Projects i.e. (Competitive Bidding Mode, Government to Government mode, Unsolicited projects mode)
6. Arrangement, framework and procedural requirements for B2B transaction of RE based Captive/bulk supply arrangements (including wheeling arrangement)
7. Punjab role in facilitating household solarization, Net metering as per policy, rules and regulations
8. Renewable Energy training and skill development to enhance capacity development of local manufacturing RE based technologies
9. Tapping the carbon credits
10. Tax & duties (fiscal incentives) in line with Federal ARE Policy 2019

11. Review of existing approved Prequalification Document (PQD) and draft amendment(s) for approval of GoPb in accordance with the ARE Policy 2019.

**E. QUALIFICATION**

The consulting firms / consultants must have experience 10 to 15 years in drafting, contracts, policies, plans and strategies, of Pakistan power sector. Consultant must be well conversant with the prevailing legal, laws, rules, regulations of power sectors. The consultant firm / consultant must have technical and financial human resource for providing technical and financial input for development of Punjab ARE Policy.

**F. DURATION:**

Overall duration of the assignment shall be up to two (02) months from date of signing of contract.

**G. DELIVERABLES:**

The following deliverables would be expected from the Consultant:

1. Submission of draft policy – 1 Month
2. Incorporation of comments/amendments – 15 Days
3. Submissions of final Punjab ARE Policy after incorporation of comments in the draft Policy – 15 Days

**H. COST**

The lump sum Cost of consultancy will be PKR 2.0 Million

**I. REPORTING ARRANGEMENT:**

The selected Consultant Firm will report to Managing Director, PPDB.

