

## **TORS OF ELECTRICAL CONSULTANT FOR SOFTWARE TECHNOLOGY PARK**

### **Assignment Overview**

Software Technology Park (STP) is a flagship project of the Government of Punjab which is nearing completion with a cost of over 4 Billion Rupees. PITB intends to make this building an iconic, intelligent and smart building in the country. For the electricity connection of STP, a load of 3901 KW has been sanctioned by LESCO from two different Grid Stations i.e. LEFO Grid and Old KotLakhat Grid. The design of these underground feeders was carried out by M.E Consult (Pvt) Ltd. One of the feeders from LEFO Grid Station needs to be redesigned due to Right of Way problems. For this purpose hiring of Electrical Consultant is required. It is intended to hire the same consultants with the revised TORs.

### **Qualification & Experience:**

PEC & WAPDA approved consulting / Firm having minimum 15 years of experience of Designing and Supervision of 11 KV underground System and comprising of qualified Engineering personals having vast experience in their respective fields.

### **Terms of Reference (ToR)**

#### **1-1 Design Services**

- a- Survey of existing LESCO System along the route of STP Underground / Overhead for Feeder No.2.
- b- Confirmation of nearest power supply feed point from WAPDA / LESCO.
- c- Preliminary design review of Feeder No.2 in coordination with LESCO for Underground / Overhead feeder.
- d- Detailed design for Underground/Overhead feeder including Bill of Quantities, Power Loss calculations, Route drawings.
- e- Estimation of cost of the project as per WAPDA price schedule.
- f- Submission of detailed design and other data to WAPDA / LESCO as per their requirements for approval.
- g- Getting the design vetted / approved from WAPDA/LESCO.

#### **1-2 Top Supervision**

The Top Supervision of the Work will be carried out.

**TIME SCHEDULE.**

- a) **REDESIGN OF 11KV UNDERGROUND/OVERHEAD SOURCE FEEDER AND SUBMISSION TO LESCO.**

Within 2 weeks after the signing of this CONTRACT.

- b) **APPROVAL BY WAPDA / LESCO.**

Within 6 weeks of submission of Design.