



CALAMBA WATER DISTRICT

Lakeview Subdivision, Halang, Calamba City

Tel. Nos.: (049) 545-2863; 545-1614; 545-7895; 545-7981; 545-1389; 545-2728

Fax: (049) 545-9752

Supply of Design and Construct of Roof top floor of CWD Main Building (Outsource)

Terms of Reference

1.0 BACKGROUND

Calamba Water District (CWD) a government owned and controlled corporation was created under Presidential Decree (P.D) 198, as amended, otherwise known as the Local Water Utilities Administration (LWUA) Act of 1973. On September 4, 1976, LWUA awarded the Conditional Certificate of Conformance No. 29 to CWD after the latter had completed the minimum requirements granting the rights and privileges to function within its territorial jurisdiction.

For twenty one (21) years the CWD Main Building became the 3rd symbol of stability, security and unity of its employees, towering high and standing still strongly despite all the several earthquakes and typhoons that struck the area where the edifice is now standing. However, due to aging, and wearing of the roof top slab that caused leaks that even affects the fourth, third and second floor walls including the electrical circuits, panel boards and flooded ceilings, floors and stairs during rainy season. Thus it will address the perennial problem of leakages on the building as a whole.

2.0 OBJECTIVES

1. To maintain the building in good condition.
2. To evaluate the existing capacity and safety of the electrical system of CWD main building or building one (1).

3.0 ARCHITECTURAL, CIVIL, STRUCTURAL, PLUMBING, ELECTRICAL AND MECHANICAL DESIGN AND BUILD SERVICES

Scope of Work

1. The Contactor shall be responsible for the architectural planning and civil, structural, plumbing, electrical and mechanical engineering design and construction of the proposed roof top office with an approximate area of 242 square meter.
2. The Contractor shall be responsible for the evaluation of the existing electrical system and preparation of enhancement or revision to serve its purpose. It includes the following:
 - a. The Contractor shall investigate the structural capacity of CWD main building, collect site and existing data and several materials specification from Owner if available which may be required for the purpose of drawing up preliminary plans and estimates. The Contractor will present preliminary plans until finally accepted approved by the Owner.

- b. Preparation of all working drawing (in suitable scale) based on the approved preliminary plans sufficient in detail for submission to Building Official of the City. The drawing submitted shall also show existing water supply, sewerage (if any) and drainage system.
- c. The Contractor should have at his/her office the latest Structural Architectural software like Staad and Autocad respectively and Primavera system / MS Project.
- d. Preparation of detailed estimate, technical specifications and modification of the estimates as when required by the owner shall also be done by the Contractor.

Conceptual Design:

Preliminary Plans / Estimates

The Contractor shall present the preliminary plans and estimates until they are finally approved by the Owner – CWD.

Plan shall follow the following criteria.

1. Roofs and roof structural shall be durable to carry additional solar panel load. Solar panel shall produce electricity that can be used in the roof top operation. This is subject for the approval of CWD upon the submission of the advantageous and disadvantageous and cost recovery of the solar panel.
2. Walls-jack built
3. Ceilings-acoustic ceiling board. (Soundproof)
4. Windows-follow existing specs and colors.
5. Structurals-Rebars FY66 follow standard weight/kg.
6. Airconditioning-follows existing
7. Fire exit shall be provided from roof top to ground floor.
8. Draft design shall be provided by the Owner subject to alteration during the conceptual process.

Construction

1. Scaffoldings shall be supplied by the winning contractor.

The Contractor shall submit bill of quantity and detailed engineering design and drawing and estimate based on CWD format, technical, specification, structural analysis, schedule of work, scope of work, manpower and equipment utilization, all working drawings in suitable scale based/or standard scale for building construction on approved plans with building permit in details for construction building process.

4.0 SCHEDULE AND COMPLETION TIME

1. Conceptual Design It is the intent of the Calamba Water District that design and all requirements (structural analysis, BOQ, technical specifications, all drawings, schedule of works) and necessary Building Permit for roof top roofing and building to be completed within one (1) month counted from the day after received of Purchase Order.
2. Construction Schedule Shall done 6 months after the approval of the design.

5.0 SUBMISSION OF DOCUMENTS

1. Preliminary planning/design seeking comments and approval in 30"x20" size tracing paper and blue print and 1 soft copy. 1 hard copy each
2. Proposed Drawing Signed and Sealed in 30"x20" Size tracing paper And 1 soft copy 1 hard copy
3. Preliminary and final BOQ and detailed estimate respectively both in soft and hard copy (1 copy each).
4. Technical Specification, scope of work, structural and electrical analysis, schedule of work in A4 size paper, both in soft and hard copy (1 copy each)
5. Submit study of the solar panel.

A. Execution

1. The Contactor is obliged to make free of cost for the minor changes in the plan if needed during the execution of the work or in any additional work in the plan as per requested by the Owner.

6. TERMS AND CONDITIONS

All terms and conditions shall be in accordance with the RA 9184.