

drawings to illustrate the size and character of the project. Also included in the presentation drawings is the proposed unique structural and construction system for consideration. They shall be submitted on 20" x 30" boards using appropriate scale. The schematic documents shall also include an outline of specifications, illustrating the size and character of the project, and showing the kinds of materials intended to be used, the structural concept and type, the types of mechanical, electrical, sanitary and other utility systems and equipment to be installed, including other items of work that are indicated in the Terms of Reference and Design Brief. They shall be submitted, printed and ring-bound on A4-sized sheets.

2.1.2 Design and construction methods

Emphasis shall be made on the construction methods that best befit the cost and compressed duration of the project. Prefabricated and/or modular construction systems, with a proven track record and history of past projects, may only be accepted after passing a thorough evaluation.

2.1.3 Value engineering analysis of design and construction method.

Prospective bidders shall prepare a value engineering analysis report of their proposed design and construction method to be applied for the PROJECT.

Importance shall be made on the following criteria:

- i. Cost-saving (can be measured by a per square meter average figure) than conventional construction methods
- ii. Time-saving in design and construction duration (can be measured by an initial proposed PERT-CPM of the PROJECT) due to the expertise and past experiences with the proposed method
- iii. Operational efficiency (consider green building design, take advantage of natural lighting and ventilation in some areas, use of efficient toilet, and environment friendly material).

2.1.4 List of design and construction personnel, to be assigned to the contract to be bid, with their complete qualifications and experience

FOR DESIGN PERSONNEL

The key professionals and the respective qualifications of the DESIGN PERSONNEL shall be as follows:

i. DESIGN ARCHITECT

The Design Architect must be duly-licensed with at least ten (10) years experience in the design of residential, academic or institutional facilities, and shall preferably be knowledgeable in the application of rapid construction technologies.

ii STRUCTURAL ENGINEER

The Structural Engineer must be a duly-licensed Civil Engineer with at least ten (10) years experience in structural design and shall preferably be knowledgeable in the application of rapid construction technologies.

iii. ELECTRICAL ENGINEER

The Electrical Engineer must be a registered Professional Electrical Engineer with at least five (5) years experience in the design of lighting, power distribution, communication systems (specifically structured and local area network cabling, PABX), building management systems and preferably knowledgeable in developments in emergent efficient lighting technologies and energy management.