

## **SECTION 00620 DESIGN ELIGIBILITY REQUIREMENTS**

PROJECT : DESIGN AND BUILD OF THE NATIONAL INSTITUTES OF HEALTH BUILDING

LOCATION : UP Manila, 625 Pedro Gil, Ermita, Manila

OWNER : UNIVERSITY OF THE PHILIPPINES MANILA

TO : \_\_\_\_\_ DATE : \_\_\_\_\_

### **A. PROJECT COMPONENTS**

#### **1.0 PRE-DETAILED DESIGN**

##### **1.1 Engineering Surveys and Investigations**

Surveys and investigations of the site includes boundaries of the property, elevations and contours (at 0.50m interval), soil tests, location, dimension, floor elevations and other pertinent data on existing buildings and improvements (roads, parking areas, mature trees) and existing utility lines (e.g. water, power, telephone, UP Manila ISP, drainage, sewer, etc.).

##### **1.2 Design Development Drawings**

Preparation of the following drawings for design development based on the schematic design plans prepared by the UP SYSTEM OFFICE OF DESIGN AND PLANNING INITIATIVES:

- (a) Perspective View
- (b) Site Development Plan
- (c) Floor Plans, two (2) Sections and four (4) Elevations, including complete spaces allocation.
- (d) Roof Plan

#### **2.0 DETAILED DESIGN**

Preparation of the following Detailed Design Drawings based on the Design Development Drawings including any revisions and refinements as approved and required by the University:

- (a) See Project Manual Volume 2 TOR Annexes 2-10 for the Detailed Drawings Checklist.
- (b) General Notes and Technical Specifications describing type and quality of materials and equipment to be used, manner of construction and the general conditions under which the project is to be constructed.
- (c) Detailed Bill of Quantities, Cost Estimates including a summary sheet indicating the unit prices of construction materials, labor rates and equipment rentals.
- (d) Summary of Works

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### **3.0 CONSTRUCTION**

As a rule, contract implementation guidelines for procurement of infrastructure projects shall comply with Annex "E" of IRR-A, RA 9184. The following provisions shall supplement these procedures:

- 3.1 No works shall commence unless the contractor has submitted the prescribed detailed design drawings as required in the Building Permit and the University has given written approval. Work execution shall be in accordance with reviewed and approved documents.
- 3.2 The contractor shall be responsible for obtaining all necessary information as to risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified by the concerned Building Officials and the University to meet all regulatory approvals as specified in the contract documents.
- 3.3 The contractor shall submit a detailed program of works within ten (10) calendar days after the issuance of the Notice to Proceed for approval by the procuring entity that shall include, among others:
  - (a) The order in which it intends to carry out the work including anticipated timing for each stage of design/detailed engineering and construction;
  - (b) Periods for review of specific outputs and any other submissions and approvals;
  - (c) Sequence of timing for inspections and tests;
  - (d) General description of the design and construction methods to be adopted;
  - (e) Number and names of personnel to be assigned for each stage of the work;
  - (f) List of equipment required on site for each stage of the work; and
  - (g) Description of the quality control system to be utilized for the project.
- 3.4 Any errors, omissions, inconsistencies, inadequacies or failure submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted and reviewed at the contractor's cost. If the contractor wishes to modify any design or document which has been previously submitted, reviewed and approved, the contractor shall notify the University within a reasonable period of time and shall shoulder the cost of such changes.
- 3.5 As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. The following guidelines shall govern approval for change or variation orders:
  - (a) Change Orders resulting from design errors, omissions or non-conformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to the University.
  - (b) Provided that the contractor suffers delay and/or incurs costs due to changes or errors in the University's performance specifications and parameters, the contractor shall be entitled to the following:
    - (i) An extension of time for any such delays under Section 10 of Annex "E" of IRR-A (RA 9184).

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- (c) The contract documents shall include the manner and the schedule of payment specifying the estimated contract amount and instalments in which the contract will be paid.
- (d) The contractor shall be entitled to advance payment subject to the provision of Section 4 of Annex "E", IRR-A (RA 9184).
- (e) The University shall define the quality control procedures for the design and construction in accordance with the University guidelines and shall issue the proper certificates of acceptance for sections of the works or whole of the works as provided for in the contract documents.
- (f) The contractor shall provide all necessary equipment, personnel, instruments, documents and others to carry out specified tests.
- (g) This design and build project shall have a minimum Defects Liability Period of one (1) year after contract completion or as provided for in the contract documents. This is without prejudice to the liabilities imposed upon the engineer/architect who drew up the plans and specification for building sanctioned under Section 1723 of the New Civil Code of the Philippines.
- (h) The contractor shall be held liable for design and structural defects and/or failure of the completed project within the warranty period of fifteen (15) years for permanent structures/buildings as specified in Section 62.2.2 of the IRR-A (RA 9184).

## **B. ELIGIBILITY REQUIREMENTS**

### **1.0 GENERAL**

Designer(s) that is/are a firm, company, partnership, corporation or association, or a part thereof, shall be registered according to the specifications in Section 37 and 38 of the IRR of RA 9266, otherwise known as the "Architecture Act of 2004":

- a) [Section 37] The practice of architecture is a professional service, admission to which shall be determined upon the basis of individual personal qualifications. However, a firm, company, partnership, corporation or association may be registered or licensed as such for the practice of architecture under the following conditions:
  - (i) Only Filipino citizens properly registered and licensed as architects under R.A. No. 9266 may, among themselves, or together with allied technical professionals, form and obtain registration as a firm, company, partnership, association or corporation for the practice of architecture;
  - (ii) Registered and licensed architects shall comprise at least seventy-five percent (75%) of the owners, shareholders, members, incorporators, directors, executive officers, as the case may be;

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- (iii) Individual members of such firm, partnership, association, or corporation shall be responsible for their individual and collective acts as an entity and as provided by law;
- (iv) Such firm, partnership, association or corporation shall be registered with the Securities and Exchange Commission and the Board.

The Board subject to approval by the Commission shall issue a certificate of registration to such firm, company, partnership, corporation or association upon grant of registration.

- b) [Section 38] Foreign nationals who have gained entry in the Philippines to perform professional services as architects or consultants in foreign-funded or assisted projects of the government or employed or engaged by Filipino or foreign contractors or private firms, shall, before assuming the duties, functions and responsibilities as architects or consultants, secure a special/temporary permit from the Board subject to approval of the Commission, to practice his/her profession in connection with the project to which he/she was commissioned:

Provided, That a foreign national or foreign firm, whose name or company name, with the title architect, architectural consultant, design consultant, consultant or designer appears on architectural plans, specifications and other related construction documents, for securing building permits, licenses and government authority clearances for actual building project construction in the Philippines and advertisements and billboards for marketing purposes, shall be deemed practicing architecture in the Philippines, whether the contract for professional services is consummated in the Philippines or in a foreign country.

Provided, further, That the following conditions are satisfied as follows:

- (i) That he/she is a citizen or subject of a country which specifically permits Filipino professionals to practice his/her profession within their territorial limits, on the same basis as the subjects or citizens of such foreign state or country;
- (ii) That he/she is legally qualified to practice architecture in his/her own country, and that his/her expertise is necessary and advantageous to our country particularly in the aspects of technology transfer and specialization;
- (iii) That foreign nationals shall be required to work with a Filipino counterpart and shall also be responsible for public utilities and taxes due to the Philippine government, relative to their participation in, or professional services rendered to the project, in accordance with the established implementing rules and regulations providing for the procedure for the registration and/or issuance of temporary/special permits to foreign architects allowed by law to practice their profession in the Philippines by the Board of Architecture and the accredited professional organization; and

- (iv) Agencies, organizations or individuals whether public or private, who secure the services of a foreign professional authorized by law to practice in the Philippines for reasons aforementioned, shall be responsible for securing a special permit from the Professional Regulation Commission (PRC) and the Department of Labor and Employment (DOLE) pursuant to PRC and DOLE rules.

The following procedures for the registration and/or issuance of temporary/special permits to foreign architects are hereby prescribed:

- (i) A visa and work permit by appropriate government agencies shall be required.
- (ii) Within thirty (30) calendar days after the commission/appointment date, the commissioning party shall be responsible to secure the Temporary/Special Permit from Board subject to approval by the PRC. DOLE upon compliance with the qualifications required and receipt of a copy of the said Temporary/Special Permit – shall issue the employment permit.
- (iii) In the absence of a bilateral agreement, the foreign national shall submit documentary proof or evidence allowing Filipino architects to practice the profession in their home country without any limitation.
- (iv) Technology transfer and/or specialization must be identified and substantiated consistent with his expertise.
- (v) A Filipino counterpart shall be the architect-of-record, with his duties, functions and responsibilities duly defined in a covering agreement.
- (vi) Advertisements and billboards for marketing/promotion purposes shall prominently display the name of the architect-of-record. Failure to comply shall be subject to penalties in accordance with the rules promulgated by PRC.
- (vii) Upon issuance of the temporary/special permit, the foreign national may become member of the United Architects of the Philippines, Inc. subject to the rules and procedures of UAP membership.

## **2.0 SPECIALIZED**

- 2.1 For the Pre-Detailed Design and Detailed Design portion of the contract, the Bidder is required to commission the minimum number of people as shown below. Separate items shall not be assigned to the same individual and at least one distinct person shall be commissioned for each item, unless stated otherwise. However, should the Bidder opt that the required number would be insufficient to complete the works/services within the specified time frame, the Bidder can commission additional staff by which the method deserves to be detailed or explained in the Bidder's Technical Proposal. Likewise, the Bidder shall remunerate this additional staff all within the Bidder's Financial Proposal.

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- (a) Project Coordinator(s)
  - (i) Licensed Architect or Engineer
  - (ii) At least ten (10) years experience in overall project management
  - (iii) Superb oral and written communication skills, organization skills and excellent administrative abilities
  
- (b) Architect
  - (i) Licensed and Registered Architect
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  - (iv) Should qualify and comply with the provisions of the IRR of RA 9266, otherwise known as "The Architecture Act of 2004", especially Sections 30 and 37-38 of Rule IV
  
- (c) Civil/Structural Engineer
  - (i) Licensed Structural Engineer
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  
- (d) Electrical Engineer
  - (i) Licensed Electrical Engineer
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  
- (e) Mechanical Engineer
  - (i) Licensed Mechanical Engineer
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  
- (f) Sanitary Engineer/Master Plumber
  - (i) Licensed Sanitary Engineer/Master Plumber
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  
- (g) Fire Safety Engineer
  - (i) Licensed and Registered Engineer
  - (ii) At least ten (10) years experience in medium- or high-rise clinical and research laboratory buildings
  - (iii) Proficient in CADD software
  
- (h) CADD Operators (at least 3 persons)
  - (i) At least a Bachelor's Degree in Architecture or Engineering
  - (ii) Proficient in CADD software

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- 2.2 The Bidder is required to prioritize the hiring of locally-based architects, engineers and draftsmen especially if such have had experience and training in research laboratory facilities projects and the construction of certified containment and barrier facilities.

## C. TIME FRAME

The Design and Build Contractor is required to complete the project within a period of *Nine Hundred Ten (910)* Calendar days and as shown below, to start upon the contractor's receipt and signing of the Notice to Proceed. The time frame to be followed is as follows:

### *Design and Construction Schedule*

ACTIVITY	Year 1												Year 2												Year 3					
Month	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Design Phase including approval of the University																														
Construction Phase including application and issuance of Bldg Permit																														
Post-Construction Phase including submission of required mat'ls and documents																														

END OF SECTION 00620

Read and accepted as part of the Contract:

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