

## **PROJECT SPECIFICATIONS**

### **Rehabilitation of Cottage 629**

#### **1. SCOPE OF WORK FOR BIDDERS**

- 1.1 To conduct major repair or rehabilitation of Cottage 629 for the improvement of the condition of the existing structure, to reduce and/or control constant repairs and replacement costs, and for public safety and convenience.
- 1.2 To impose required construction safety practices during the implementation of the project in compliance with the approved Occupational Safety and Health Program as established by the Department of Labor and Employment (DOLE).
- 1.3 To provide and maintain an accessible temporary field office/storage, portable toilets/latrines for workers and/or testing laboratory. The Contractor shall be held responsible for the maintenance and protection of all facilities to be provided during the duration of the Contract.
- 1.4 To provide the necessary, required and sufficient manpower, materials and equipment during the course of the project implementation.
- 1.5 To conduct removal and proper disposal of structures and/or obstructions as indicated in the approved plans. All designated salvageable material shall be removed, without unnecessary damages, for safekeeping and turn-over to the end-user.
- 1.6 To properly and safely dispose all wastes generated during the construction phase in conformance with the approved Construction Environmental Management Plan (CEMP).
- 1.7 To supervise or monitor the presence of the assigned Project Personnel (Project Engineer/Facilitator, Materials Engineer and/or Safety Officer) during project implementation.
- 1.8 To conduct site visits to familiarize with the on-site conditions and existing facilities.
- 1.9 To provide as-staked and as-built plans for the completed structure/s, one (1) set original CAD drawing in A3 size, two (2) additional copies, and electronic file of the following:
  - a. Actual layout of the comfort rooms,
  - b. Details of the constructed structure, and,
  - c. All other details of the project that may be required.
- 1.10 As-built plans shall indicate the details in any scale not less than 1:100 meters
- 1.11 To submit weekly Statement of Work Accomplishment reports during the duration of the Contract.
- 1.12 To shoulder all costs for power and water utilities to be used during the implementation of the project.
- 1.13 The contractor shall be responsible for all tests and engineering services required by the Specifications. The cost for inspection or test not required by the specifications but which are required by JHMC, will be borne by JHMC.
- 1.14 All tests shall be performed by accredited testing facilities and approved by JHMC, and shall be in accordance with the current standards of the American Society for testing and materials, otherwise specified by JHMC. Two (2) copies of the test procedures including results shall be furnished to JHMC.
- 1.15 To immediately report to JHMC all unearthed hazardous materials, buried treasures or artifacts, and shall be coordinated by JHMC to the concerned agencies for their appropriate action. All activities in area of concern shall cease until such time that the hazardous materials, treasures have been properly dealt with.

## **2. STANDARDS and SPECIFICATIONS**

The scope of work shall be in conformity with of the DPWH standards and specifications stated herein.

### **B.5 PROJECT BILLBOARD/SIGNBOARD**

This item shall consist of the installation of COA billboard and JHMC project billboard with wooden frames, to be provided by contractor/project owner, in accordance with the approved plans.

### **B.7. OCCUPATIONAL SAFETY AND HEALTH PROGRAM**

This item shall be in accordance with the provisions, systems and procedures based in the approved and applicable Occupational Safety and Health Program by the Department of Labor and Employment. Appropriate Personal Protective Equipment (PPE), including all safety devices that are necessary during project implementation, shall be provided by contractor/project owner.

### **Item 101 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

This item refers to the removal of existing structures (GI roof sheets, wooden cornice/cabinets, etc.). Proper removal shall be undertaken, particularly for materials that are considered as valuable waste or salvageable materials, and proper disposal of scrap or debris shall be conducted as per the approved Construction Environmental Management Plan (CEMP).

### **Item 1002 PLUMBING WORKS**

This item shall include the installation of plumbing fixtures and embedment of exposed piping/plumbing system as per the approved plans. All fixtures shall be of good quality and installed as to standards. Materials to be installed should be subject to approval of JHMC.

### **Item 1003 CARPENTRY**

The work under this item shall consist of furnishing all required materials, fabricated woodwork, tools, equipment and labor and performing all operations necessary for the satisfactory completion of all carpentry and joinery works in accordance drawing, details and these specifications.

Marine plywood shall be used for ceilings, especially those exposed to moisture such as toilets and eaves. Wooden fascia boards shall be installed as required by the plan. Suitable fasteners, such as nails, screw, bolts and straps shall be provided for fixing carpentry and joinery works. All fasteners shall be brand new and of adequate size to ensure rigidity of connections.

All materials to be incorporated in carpentry and joinery works shall be of good quality and shall have been inspected/accepted by JHMC.

### **Item 1004 HARDWARE (FINISHING)**

This item shall consist of furnishing and installing all building hardware required to: (ensure rigidity of joints/connections of the different parts of the structure; and (2) equip in a satisfactory operating condition parts of the structure such as doors, windows, cabinets, lockers, drawers and other similar parts as indicated. All finishing hardware shall be first class quality available locally and conforming with the requirements of JHMC.

### **Item 1007 ALUMINUM FRAMED DOORS**

This item includes the furnishing of all aluminum screen/doors. Aluminum frames shall be accurately installed, joined at corners assembled and fixed rigidly to ensure weather tightness.

Aluminum framed doors, fixing accessories and locking devices shall be installed and accepted to the satisfaction of JHMC.

**Item 1008 ALUMINUM GLASS WINDOWS (AWNING TYPE)**

This item shall include furnishing of all aluminum windows with complete accessories, necessary materials for its installation, labor, tools and equipment required as per plan. Hardware for fixing and locking devices shall be closely matched to the extruded aluminum section and adaptable to the type and method of opening.

**Item 1014 PRE-PAINTED METAL SHEETS**

This item shall consist of furnishing all pre-painted metal sheet materials, tools and equipment, including labor in undertaking the proper installation of roofing sheets. Base metal thickness shall have minimum thickness of 0.4mm. Prior to commencement of the installation of roof sheets, the top faces of the purlins should be properly aligned in order to provide good slope on the roofing structure. All fastening hardware shall be of good quality galvanized iron straps / rivets.

**Item 1017 ROOF DRAINS WITH STRAINERS**

Contractor shall provide, fit and install all necessary drains with strainers as indicated in the plan. Each drain with strainer shall fit well without leaks into the corresponding downspout or conductor over which it is to be installed.

**Item 1018 CERAMIC/GRANITE TILES**

Furnishing of ceramic tiles and cementitious materials, tools, and equipment including labor required in undertaking the proper installation of walls/floor tiles as per plan. Tile works shall not be started until roughing-ins for plumbing, electrical and other trades have been completed and tested. Tiles should have been laid in place for at least 24-hours before grouting of the joints is started.

**Item 1032 PAINTING, VARNISHING AND OTHER RELATED**

This item shall consist of furnishing all paint materials, varnish and other related products, labor, tools and equipment required in undertaking proper application of painting, varnishing and related works indicated on plans and in accordance with this specification.

Prior to commencement of painting, varnishing and related work shall examine surfaces to be applied in order not to jeopardize the quality and appearance of the painting varnishing and related works.

**Item 1103 LIGHTING FIXTURES AND LAMPS**

This item shall include the installation of high-quality lighting fixtures and lamps and all related materials as specified in the plans