



Republic of the Philippines

**DEPARTMENT OF SCIENCE AND TECHNOLOGY**

**Philippine Atmospheric, Geophysical and  
Astronomical Services Administration (PAGASA)**



**PROJECT TITLE: Proposed Improvement/rehabilitation of Casiguran  
PAGASA Synoptic Station - REBID**

**LOCATION: Casiguran, Aurora**

## **SCOPE OF WORKS**

### **Part B. GENERAL REQUIREMENTS**

#### Pre-Construction Meetings

- Prior to the start of construction, Contractor's material men whose presence is required must attend pre construction meetings as directed for the purpose of discussing the execution of work. In this conference the contractor determine the necessary precautions to mitigate the effect of construction on environmental aspect and medical services.

#### Cleaning up

- The Contractor shall at all times keep the construction area clean, including storage area used by him, free accumulations of waste material or rubbish. Upon completion of construction, the Contractor shall leave the work and premises in clean, neat, workmanlike conditions satisfactory to the End-user.

#### Construction Safety and Health

- The contractor shall provide safety signage/early warning signs visible at the jobsite and barricades as precaution.
- The contractor shall furnish his workers with protective equipment for head, eyes, face, hands and feet, lifeline, **safety belt/harness**, protective shields and barriers whenever necessary by reason of the hazardous work process or environment.
- **All workers shall be in proper uniform** and shall conform with the DOLE D.O. No. 13 series of 1998, Guidelines Governing Occupational Safety and Health in the Construction Industry.
- During the execution of the work, the Contractor shall keep the site clean.

#### Protection of Existing Structures

- The contractor must protect the existing structures, utility systems during construction.

*"tracking the sky...helping the country"*



### Temporary Power and Water Service

- The contractor shall provide a sub-meter for electrical and water consumption.
- The Contractor shall provide and maintain temporary electrical service including installation of temporary power and lighting within the construction site.
- The Contractor shall provide and maintain temporary water supply services, complete with necessary connections and appurtenances. Installed water supply lines shall be used as a source of water for construction purposes subject to the approval of the Project Engineer.

### Mobilization / Demobilization.

- The contractor upon receipt of the notice to proceed shall immediately mobilize and transport his plant, equipment, materials and employees to the site and demobilize or remove the same at the completion of project.

### Scaffoldings

- The Contractor shall ensure the proper use of scaffolding and shall comply with DOLE D.O. No. 128-13 Series Of 2013, Guidelines Governing Occupational Safety and Health in the Construction Industry.
- All scaffolding must be erected, dismantled and altered in a safe manner.
- Every scaffold shall be of good construction of sound materials and strength for the purpose for which it is intended.
- H-frame scaffoldings shall be rental and made in galvanized iron (G.I.) 1.2m(W) x 1.7m(H) x 1.9m(L), with cross braces and pins.
- Scaffoldings must have catwalk to give workers a platform to move, shoring jacks and galvanized iron pipes with clamps for supports.

## **Part C. EARTHWORKS**

### **Item 801 - Removal of Structures and Obstruction**

**Note:** *Salvaged materials which are damaged thru negligence shall be replaced or restored at the Contractor's expense.*

### Scope of Works

- Existing floor tiles in the garage area and roof deck must be removed.
- All Existing ceiling must be removed and replaced with new.
- Removal of 4 sets old of existing wooden panel doors.



- Damage/broken glass window must be removed and replaced with new.
- Removal of dirt, dust or lichen on the roof deck preparation for waterproofing.

## **Part C. FINISHINGS AND OTHER CIVIL WORKS**

### **Item 1002 - Plumbing**

#### Scope of Works

- Repair/Replacement of existing plumbing fixtures and fittings.
- Replacement of toilet flush.
- Supply and installation of 3 sets of Flush repair kit.
- Replacement of faucet and shower set of toilets.
- Replacement of faucet installed on the sink.
- Supply of 6 pcs of ½" x 10m Heavy Duty Flexible water hose.
- Replacement of existing G.I. pipe of new ¾ uPVC pipe with complete fittings for water pipe lines from an existing public water source to an existing water tank. This water line should be embedded below the natural grade line.
- Replacement of water pipe lines and fittings connection to water pressure tank.
- All pipes shall be cut accurately to measurements and shall be worked into place without springing or forcing.

### **Item 1003 - Carpentry and Joinery Works**

#### Scope of Works

- Lay-out and Installation 4.5mm thk. Fiber Cement board on 19mmx25mm Metal Furring spaced at 400mm on center, 12mmx38mm Carrying channel spaced at 1200mm on center.
- Supply and installation of wood moulding (cornesa) for interior ceiling.

### **Doors and Windows**

#### Scope of Works

Door must be Solid Wood Panel Door Swing Type with 2" x 4" Tanguile Door Jamb3 pairs of 4" x 4" x 3mm Stainless Steel Ball bearing hinge, 1 set of entrance lock lever type, Varnish Finish.



**DOORS:**

- Supply and installation 4 sets of 2100x900mm single leaf swing wooden doors and door jamb with complete accessories.

**WINDOWS:**

- Supply and Installation of 1200x1100mm sliding window with 6mm thk tinted glass on uPVC frame at the room located on the roof deck.

**Item 1004 – Hardware**

**Description**

This item contains of the followings:

- 2x4 door hinges
- door knob with keys
- wood glue 500g
- CWN 1"
- CWN 2"
- CWN 3"
- concrete nail #3

**Item 1016 - Waterproofing**

**Scope of Works**

- Application of cement base waterproofing on the roof deck floor slab, Toilet floor and concrete roof slab of the room located at the roof deck.
- Water use for waterproofing shall be clean, clear and potable.
- One brand or type of waterproofing material shall be used on the project.

**Item 1018 – Tile Works**

**Scope of Works**

**FLOOR FINISHES**

- Roof Deck
  - Toilet– (300x300mm Non-skid ceramic floor tiles)
  - Room area – (400x400mm Glossy Ceramic Floor Tiles)

**Note:**

- *The contract must submit a design sample of tile selection for approval of the End-user or Project monitoring engineer.*



### **Item 1021 & 1027- Cement Floor Finish & Cement Plaster**

#### **Scope of Works**

- Floor topping, plain finish on the garage area.
- Floor topping on the roof deck and toilet floor.
- Cement plastering of interior wall of room located at the roof deck.

### **Item 1032 - Painting Works (Masonry, Wood and Steel)**

#### **Scope of Works**

- Painting of wooden panel doors, moulding (cornesa) of ceiling and ceiling.
- Re-painting for Interior and Exterior masonry walls of the Casiguran Synoptic Building including the perimeter fence and concrete PAGASA logo.
- Re-painting of metal gate of the Synoptic Station and fence metal grille.
- All Exterior Concrete walls shall be painted 3 coats of HI-Performance Elastomeric Paint.
- All Interior Concrete walls shall be painted 3 coats of HI-Performance Acrylic Latex Paint.
- For Exterior and Interior walls. Skim coat shall be used to patch uneven surface before application of first coat.
- Ferrous metal shall be painted one (1) coat primer and two (2) coats enamel paint.

#### ***Note: Choice of Color***

*The End-user or Project Monitoring engineer must first be consulted after he/she has given the color scheme. No painting job shall be done unless it has met the approval of the end-user or Project Monitoring engineer regarding the color.*

#### **Varnishing**

- All wood work to be varnished must first be thoroughly sandpapered and all cracks hole, and other defects must be thoroughly and carefully filled with the first quality colored or white putty tinted to match the desired finish.
- Before varnishing a sample must be applied for approval of the owner



**Item 1046 - Masonry Works**

**Scope of Works**

- Interior walls of the room located at the roof deck. Use 4" hollow blocks shall be reinforced with 10 mm diameter vertical bars spaced at 0.40 m and 10 mm. diameter horizontal bars at every 3 layers.

