



Republic of the Philippines  
**GENERAL SANTOS CITY WATER DISTRICT**  
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### **SCOPE OF WORK**

Project Title: **Renovation and construction of perimeter fence**

Location: **Lansang Village, Sinawal & Roca Subd., Apopong**

1. The winning bidder shall provide/supply all necessary materials, labor and equipment and other necessary items to complete the said project.
2. All works shall be performed by the winning bidder in accordance with the approved plan and specifications of the owner as enumerated below.

#### **A. REHABILITATION OF PUMPHOUSE NO. 8**

##### **A.1 REMOVAL OF OLD DAMAGED SLIDING STEEL GATE AND STEEL FRAMED STEEL MATTING AT PERIMETER FENCE**

- A.1.1 *Removal of Gate*
- A.1.2 *Removal of Steel Framed Steel Matting*
- A.1.3 *Chipping of Concrete Slab to Expose Rebars*

##### **A.2 4.20 x 1.60M SLIDING STEEL GATE 1 - FABRICATION AND INSTALLATION**

- A.2.1 *Fabrication and Installation of 75mm x 50mm x 1.5mm Steel Tubular - 6m length for Gate Frame*
- A.2.2 *Fabrication and Installation of 50mm x 50mm x 1.5mm Steel Tubular - 6m length for Gate Grills*
- A.2.3 *Fabrication and Installation of G.A. 16 G.I. Plain Sheet - 6m length for Gate Panel*
- A.2.4 *Furnishing and Installation of Steel Gate Roller - V Shape for gate Bottom roller*
- A.2.5 *Furnishing and Installation of Nylon Rollers for gate Top guide*
- A.2.6 *Fabrication and Installation of 50 x 50 x 6mm Angle Bar - 6m length for Runner guide*

**A.2.7** *Furnishing and Installation of 25mm x 6mm Flat Bar for GI Plain Sheet Stiffener*

**A.2.8** *Furnishing and Installation of 50mm x 6mm Flat Bar for Bottom Doubler Plate*

**A.2.9** *Furnishing and Installation of Fabricated Bolt & Padlock*

**A.2.10** *Furnishing and Painting of Epoxy Primer Gray on Steel Gate*

**A.2.11** *Furnishing and Painting of Epoxy Enamel Paint on Steel Gate*

### **A.3 REBARWORKS**

**A.3.1** *Furnishing and Installation of Reinforced Concrete Lintel Beam and Planted Columns with 12mm/10mm dia. Def. bars for Main Bar and 10mm dia. Def. bars for Ties*

**A.3.2** *Furnishing and Installation of Reinforced Concrete Slab at Entrance with 10mm dia. Bars*

**A.3.3** *Furnishing and Installation of Reinforced Concrete Beam Support on Sliding Steel Gate*

**A.3.4** *Furnishing and Installation of CHB Reinforcements on Perimeter Fence and Test Line Box*

**A.3.5** *Furnishing and Application of Structural Epoxy A & B at CHB reinforcements*

### **A.4 CONCRETE WORKS**

**A.4.1** *Concreting of Ramp & Supporting Beam at Sliding Gate Runner, Lintel Beams, Planted Columns and Test Line Box (Class A Mixture)*

### **A.5 MASONRY WORKS, PLASTERING WORKS, BARBED WIRE & RAZOR WIRE**

**A.5.1** *Furnishing and Installation of 4" CHB for Replacement of Steel Framed Steel Matting and additional height of fence*

**A.5.2** *Furnishing and Plastering of Wall fence Additional height and Front Elevation*

**A.5.3** *Furnishing and Installation of Galvanized Double Twist Barbed Wire - 50LM per roll*

**A.5.4** *Furnishing and Installation of Coiled Razor Wire - 10LM per roll*

**A.5.5** *Installation of 10" dia. PVC Pipe 1000 series - 3M (Materials to be provided by GSCWD)*

**A.5.6** *Furnishing and Installation of 1/2" GI Pipe Sch. 40 - 6M Length for Barbed Wire Support*

## **A.6 SOLAR STREET LIGHT**

*Furnishing and Installation of 4" 200W Solar Street Light Outdoor LED*

*Light Outlet Item no : S03-200W*

*Solar panel : Polysilicon 6V/50W*

*Battery : LiFePO4 3.2V 50AH/10pcs*

*Chip source : SANAN2835, 406pcs CCT:6500-7000K Total*

*lumen:3500LM*

*Material : Aluminium+glass*

*IP rating : IP65*

**A.6.1** *Charge time : 4-6H*

*Working time : 12-15hrs, 1-2rainy days*

*Lighting area : 200 m<sup>2</sup>*

*Control mode : time control and light control*

*CTN/PCS : 1PCS/CTN*

*Outer carton size : 48.5\*15.5\*68.5CM*

*Lampbody size : 232\*90\*510mm*

*Solar panel size : 444\*17\*670mm*

## **A.7 PAINTING WORKS**

### **A.7.1 PERIMETER FENCE, TEST LINE BOX AND PUMPHOUSE REPAINTING (INCLUDING INTERIOR & EXTERIOR WALLS, LOGO & SIGNAGE, ROOFING, GUTTER, CEILING & SLAB)**

- *Furnishing and Application of Masonry Putty*
- *Furnishing and Application of Acrylic Latex Paint Primer -*
- *Furnishing and Application of Acrylic Semi-Gloss Paint (Gray color for interior/exterior walls and fence surface)*
- *Furnishing and Application of Acrylic Gloss Roof Paint*
- *GSCWD logo – refer to the attached plan*



## **A.7.2 RAZOR WIRE SUPPORT, DISTRIBUTION PIPELINE AND GENSET SHED FRAME PAINTING**

- *Furnishing and Application of Epoxy Primer Gray- Genset Shed Frame*
- *Furnishing and Application of Epoxy Enamel Paint Ultramarine blue – distribution pipeline*

## **B. TRANSFORMER BARRIER AT PS NO. 06**

### **B.1 DEMOLITION**

- B.1.1** *Demolition of Existing Transformer Barrier*

### **B.2 EXCAVATION**

- B.2.1** *Excavation of Footings*

### **B.3 GRAVEL BEDDING**

- B.3.1** *Furnishing and Gravel Bedding of Slab and Footings*

### **B.4 REBARWORKS**

- B.4.1** *Furnishing and Installation of Reinforced Footing and Pedestal with 12mm dia. Bars*
- B.4.2** *Furnishing and Installation of Slab and CHB Reinforcements with 10mm dia. Bars*

### **B.5 CONCRETE WORKS**

- B.5.1** *Concreting of Slab, Footings and Pedestals (Class A Mixture)*

### **B.6 MASONRY WORKS**

- B.6.1** *Furnishing and Installation of 4" CHB for slab enclosure*
- B.6.2** *Furnishing and plastering of 4" CHB for slab enclosure*

## **B.7 STEEL FRAMING & MATTING**

**B.7.1** *Furnishing and Installation of 3" dia. Sch. 40 GI Pipe x 6m*

**B.7.2** *Furnishing and Installation of 1/2" dia. Sch. 40 GI Pipe x 6m*

**B.7.3** *Furnishing and Installation of Steel Matting 1.2m x 2.4m x 12mm thk*

**B.7.4** *Furnishing and Installation of Fabricated Steel Gate Bolt with Padlock*

**B.7.5** *Furnishing and Relocation of MDP and Installation of Rib type canopy*

## **B.8 PAINTING WORKS**

**B.8.1** *Furnishing and Application of Epoxy Primer Gray*

**B.8.2** *Furnishing and Application of Epoxy Enamel Paint Gray*

3. Trimming of extended tree branches that covering the facility.
4. All waste materials shall be cleared and properly disposed by the contractor.
5. The project duration is sixty (60) calendar days and shall commence three (3) days after the receipt of Notice to Proceed.
6. Authorized representative of General Santos City Water District shall be assigned to monitor/inspect the implementation of the project as per approved plan. See attached approved plan.
7. One (1) year warranty under normal condition shall be provided by the contractor.
8. The progress payment shall be made upon reaching 30% and 100% project completion.

Prepared by:

  
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WUDO-A

Checked by:

  
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