# BILL OF QUANTITIES
## SINDANGAN PORT EXPANSION PROJECT
**Port of Sindangan, Sindangan, Zamboanga del Norte**

| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|---|---|---|---|---|---|
| **BILL NO.** | **3 PORT OPERATIONAL AREA & CONTINUOUS RORO RAMP** | | | | |
| 3.01 | Supply and deliver to site Z-Type steel sheet piles including connectors | m.t. | 100 | | |
| 3.02 | Supply and install dowel bars for steel pipe piles | kg. | 886 | | |
| 3.03 | Handle, pitch and drive steel sheet piles and connectors | l.m. | 1,241 | | |
| 3.04 | Supply and install steel waling and splice plate for the steel sheet piles | kg. | 6,940 | | |
| 3.05 | Supply and deliver to site king piles, 762mm dia. tubular steel pipe piles Including connectors | m.t. | 219 | | |
| 3.06 | Supply and place abrasion resistatance modified epoxy for king piles and sheet piles | sq.m. | 1,852 | | |
| 3.07 | Handle, pitch and drive steel pipe piles | l.m. | 1,036 | | |
| 3.08 | Cutting of newly driven steel pipe piles and turn over excess materials to the authority | no. | 37 | | |
| 3.09 | Extraction of clogged materials inside the steel pipe piles | cu.m. | 72 | | |
| 3.10 | Supply and place sand filler for steel pipe piles | cu.m. | 40 | | |
| 3.11 | Supply and install reinforcing steel cage for steel pipe piles | kg. | 9,817 | | |

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| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|---|---|---|---|---|---|
| 3.12 | Supply and place 3,500 psi concrete filler for steel pipe piles | cu.m. | 48 | | |
| 3.13 | Supply and deliver to site 400mm x 400mmm PSC anchor and mooring piles | l.m. | 1,092 | | |
| 3.14 | Handle, pitch and drive 400mm x 400mm PSC anchor and mooring piles | l.m. | 1,092 | | |
| 3.15 | Chip/cut and dispose portion of newly driven PSC Piles | no. | 39 | | |
| 3.16 | Supply and place 3,500 psi concrete for the coping wall, mooring block, mooring foundation, retaining wall, anchor block, anchor wall, rc curb, box culvert, outfall, wing wall, and electrical works | cu.m. | 423 | | |
| 3.17 | Supply and install steel reinforcement for the coping wall, mooring block, mooring foundation, retaining wall, anchor block, anchor wall, rc curb, box culvert, outfall, wing wall, and electrical works | kg. | 25,404 | | |
| 3.18 | Supply and place gravel bedding | cu.m. | 27 | | |
| 3.19 | Supply and place 50-100 kg. Core rocks | cu.m. | 5,304 | | |
| 3.20 | Supply and place 1,000 kg. Armour rocks | cu.m. | 1,540 | | |
| 3.21 | Supply and install tie-rod of various sizes including accessories | | | | |
| | a) 50mm Ø x 21.50m | set | 37 | | |
| | b) 42mm Ø x 11.00m | set | 8 | | |
| 3.22 | Supply and install Geotextile Fabric | sq.m. | 2,009 | | |

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|---|---|---|---|---|---|
| 3.23 | Supply and place Sand and Gravel fill | cu.m. | 16,636 | | |
| 3.24 | Supply, spread and compact aggregate sub-base course | cu.m. | 4,855 | | |
| 3.25 | Supply, spread and compact aggregate base course | cu.m. | 1,494 | | |
| 3.26 | Construct portland cement concrete pavement (300mm thk) including dowel bars and construction joint | sq.m. | 4,000 | | |
| 3.27 | Construct reinforced concrete pavement (300mm thk) including temperature bars and asphalt sealer | cu.m. | 207 | | |
| 3.28 | Construct security fence including painting and accessories | l.m. | 105 | | |
| 3.29 | Supply deliver and install solar lamp post including accessories | set | 1 | | |
| 3.30 | Construct lateral drainage including trench grate, built-up frames, dowels and other accessories | l.m. | 55 | | |
| 3.31 | Construct catch drain manhole including trench grate for manhole cover, built-up frames, dowels and other accessories | no. | 1 | | |
| 3.32 | Supply, fabricate and install 20mm thk. ASTM A572 Grade 50 Plate Machine Bended including dowel bars and accessories | set | 38 | | |

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# BILL OF QUANTITIES
## SINDANGAN PORT EXPANSION PROJECT
### Port of Sindangan, Sindangan, Zamboanga del Norte

| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|---|---|---|---|---|---|
| 3.33 | Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories | set | 15 | | |
| 3.34 | Install rubber dock fender and accessories | set | 15 | | |
| 3.35 | Re-install newly remove rubber dock fender with new accessories | set | 9 | | |
| 3.36 | Supply and deliver to site mooring bollard (35 Tons, T-head) including accessories | set | 3 | | |
| 3.37 | Install mooring bollards (T-head type) and accessories | set | 3 | | |
| 3.38 | Re-install newly remove mooring bollards with new accessories | set | 3 | | |
| | **TOTAL FOR BILL NO. 3** | | | | |

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# BILL OF QUANTITIES
## SINDANGAN PORT EXPANSION PROJECT
**Port of Sindangan, Sindangan, Zamboanga del Norte**

| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|---|---|---|---|---|---|
| **BILL NO.** | **4 RC PIER WITH BREAKWATER PILES** | | | | |
| 4.01 | Supply, deliver & drive 450m x 450mm x 38m PSC Test piles | no. | 3 | | |
| 4.02 | Supply and deliver to site 450mm x 450mmm PSC Piles | l.m. | 15,108 | | |
| 4.03 | Handle, pitch and drive 450mm x 450mm Vertical PSC Piles | l.m. | 7,356 | | |
| 4.04 | Handle, pitch and drive 450mm x 450mm Batter PSC Piles | l.m. | 7,752 | | |
| 4.05 | Splice 450mm x 450mm PSC piles | no. | 318 | | |
| 4.06 | Chip/cut and dispose portion of newly driven PSC Piles | no. | 489 | | |
| 4.07 | Supply and install steel reinforcements for the superstructure | kg. | 158,532 | | |
| 4.08 | Supply and place 3,500 psi concrete for the superstructure | cu.m. | 1,313 | | |
| 4.09 | Suppy and install construction joints (100mm x 100mm x 10mm) angle bar, hot-dipped galvanized including dowel bars | l.m. | 46 | | |
| 4.10 | Supply and deliver to site rubber dock fender (V-type, 500H x 2000L) including accessories | set | 27 | | |
| 4.11 | Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories | set | 26 | | |

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## SINDANGAN PORT EXPANSION PROJECT
**Port of Sindangan, Sindangan, Zamboanga del Norte**

| NO. (1) | DESCRIPTION OF WORK (2) | UNIT (3) | QTY. (4) | UNIT PRICE (Pesos) (5) | AMOUNT (Pesos) (4) x (5) |
|---|---|---|---|---|---|
| 4.12 | Install rubber dock fender and accessories | set | 53 | | |
| 4.13 | Supply and deliver to site mooring bollard (35 Tons, T-head) including accessories | set | 27 | | |
| 4.14 | Install mooring bollards (T-head type) and accessories | set | 27 | | |
| | **TOTAL FOR BILL NO. 4** | | | | |

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## BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal and the basis of payments are as follows:

### BILL NO. 1

### GENERAL EXPENSES

**Item 1.01 Mobilization, demobilization, and cleaning**

The quantity to be paid for shall be the minimum equipment requirement enumerated in the bid documents mobilized, demobilized and cleaning of the site and accepted by the Engineer. The contract lump sum price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to mobilize and demobilize all the minimum equipment requirement enumerated in the bid documents including cleaning of the site. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization and cleaning.

**Item 1.02 Rental of temporary site office and residence for the Engineer and staff**

The quantity to be paid for shall be the actual rental of site office and residence for the engineer and staff and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary for the provision of temporary site office and residence for the engineer and staff.

**Item 1.03 Maintain temporary site office and residence for the Engineer and staff**

The quantity to be paid for shall be the actual services rendered in maintaining the site office and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the maintenance of the temporary site office and residence as well as other expenses such as provision for electric power, telephone bill, potable water supply, janitorial and security services.

**Item 1.04 Provide construction safety and Health Program in the execution of the project**

The quantity to be paid for shall be the actual implementation of construction safety and health program and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the implementation of the Construction Safety and Health Program, as required and approved by the Department of Labor and Employment (DOLE).

## BILL NO. 2

## REMOVAL AND EXCAVATION WORKS

**Item 2.01 Chip-off and dispose existing R.C. Curb flush to deck level and smoothen with mortar**

The quantity to be paid for shall be the actual length in linear meter of existing R.C. Curb flush to deck level to be chipped off and disposed and smoothened with mortar in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.02 Remove and dispose existing coping wall**

The quantity to be paid for shall be the actual volume in cubic meter of existing coping wall to be removed and disposed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.03 Remove and dispose existing Fence**

The quantity to be paid for shall be the actual length in linear meter of existing Fence to be removed and disposed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.04 Remove existing pavement and ramp**

The quantity to be paid for shall be the actual area in square meter of pavement and ramp to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.05 Scrape existing gravel base course**

The quantity to be paid for shall be the actual volume in cubic meters of existing gravel base course to be scraped in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools and incidentals necessary to complete the work.

**Item 2.06 Remove portion of existing walkway and smoothen with mortar**

The quantity to be paid for shall be the actual area in square meter of portion of existing walkway to be removed and smoothened with mortar in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.07 Remove existing mooring bollard and accessories**

The quantity to be paid for shall be the actual number of existing mooring bollard and accessories to be removed in accordance with the plans and specifications and

accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.08 Remove existing rubber dock fender and accessories**

The quantity to be paid for shall be the actual number of existing rubber dock fender and accessories to be removed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.09 Remove and re-install existing solar lamp post**

The quantity to be paid for shall be the actual set of existing solar lamp posts to be removed and re-installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.10 Remove and re-install existing 10m single angle bar lamp post**

The quantity to be paid for shall be the actual set of existing 10m single angle bar lamp post to be removed and re-installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 2.11 Excavate portion of seabed prior for laying of new mooring block foundation and laying of rocks**

The quantity to be paid for shall be the actual volume in cubic meter of portion of seabed to be excavated prior for laying of new mooring block foundation and laying of rocks in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## BILL NO. 3

## PORT OPERATIONAL AREA & CONTINUOUS RORO RAMP

**Item 3.01 Supply and deliver to site Z-Type steel sheet piles including connectors**

The quantity to be paid for shall be the actual weight in metric tons of Z-Type steel sheet piles including connectors to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.02 Supply and install dowel bars for steel pipe piles**

The quantity to be paid for shall be the actual weight in kilogram of dowel bars for steel pipe piles to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.03 Handle, pitch and drive steel sheet piles and connectors**

The quantity to be paid for shall be the actual length in linear meter of steel sheet piles and connectors to be handled, pitched and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.04 Supply and install steel wailing and splice plate for the steel sheet piles**

The quantity to be paid for shall be the actual weight in kilogram of steel wailing and splice plate for the steel sheet piles to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.05 Supply and deliver to site king piles, 762mm dia. tubular steel pipe piles including connectors**

The quantity to be paid for shall be the actual weight in metric tons of king piles, 762mm dia. tubular steel pipe piles including connectors to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.06 Supply and place abrasion resistance modified epoxy for king piles and sheet piles**

The quantity to be paid for shall be the actual area in square meters of abrasion resistance modified epoxy for king piles and sheet piles to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.07 Handle, pitch and drive steel pipe piles**

The quantity to be paid for shall be the actual length in linear meter of steel pipe piles to be handled, pitched and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.08 Cutting of newly driven steel pipe piles and turn over excess materials to the authority**

The quantity to be paid for shall be the actual number of steel pipe piles to be cut and turn-over excess material to the authority in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.09 Extraction of clogged materials inside the steel pipe piles**

The quantity to be paid for shall be the actual volume in cubic meters of clogged materials inside the steel pipe piles to be extracted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full

compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.10 Supply and place sand filler for steel pipe piles**

The quantity to be paid for shall be the actual volume in cubic meter of sand filler for steel pipe piles to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.11 Supply and install reinforcing steel cage for steel pipe piles**

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel cage for steel pipe piles to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.12 Supply and place 3,500 psi concrete filler for steel pipe piles**

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete filler for steel pipe piles to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.13 Supply and deliver to site 400mm x 400mmm PSC anchor and mooring piles**

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mmm PSC anchor and mooring piles to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.14 Handle, pitch and drive 400mm x 400mm PSC anchor and mooring piles**

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mm PSC anchor and mooring piles to be handled, pitched and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.15 Chip/cut and dispose portion of newly driven PSC Piles**

The quantity to be paid for shall be the actual number of portions of newly driven PSC Piles to be chipped/ cut and disposed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.16 Supply and place 3,500 psi concrete for the coping wall, mooring block, mooring foundation, retaining wall, anchor block, anchor wall, RC curb, box culvert, outfall, wing wall, and electrical works**

The quantity to be paid for shall be the actual volume in cubic meter of 3,500 psi concrete for the coping wall, mooring block, mooring foundation, retaining wall, anchor

block, anchor wall, RC curb, box culvert, outfall, wing wall, and electrical works to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.17 Supply and install steel reinforcement for the coping wall, mooring block, mooring foundation, retaining wall, anchor block, anchor wall, RC curb, box culvert, outfall, wing wall, and electrical works**

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcement for the coping wall, mooring block, mooring foundation, retaining wall, anchor block, anchor wall, RC curb, box culvert, outfall, wing wall, and electrical works to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.18 Supply and place gravel bedding**

The quantity to be paid for shall be the actual volume in cubic meters of gravel bedding to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.19 Supply and place 50-100 kg. Core rocks**

The quantity to be paid for shall be the actual volume in cubic meters of 50-100 kg. core rocks to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic Surveys before and after placing of core rocks shall be made to determine the actual elevations along the cross sections and the actual quantities for payment. Volume due to settlement as established using settlement plates shall also be considered for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.20 Supply and place 1,000 kg. Armour rocks**

The quantity to be paid for shall be the actual volume in cubic meters of 1,000 kg. Armour rocks to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic Surveys before and after placing armour rocks shall be made to determine the actual elevations along the cross sections and the actual quantities for payment. Volume due to settlement as established using settlement plates shall also be considered for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.21 Supply and install tie-rod of various sizes (50mm Ø x 21.5m and 42mm Ø x 11.0 m) including accessories**

The quantity to be paid for shall be the actual set of tie-rod of various sizes (50mm Ø x 21.5m and 42mm Ø x 11.0 m) including accessories to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.22 Supply and install Geotextile Fabric**

The quantity to be paid for shall be the actual area in square meters of Geotextile Fabric to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.23 Supply and place Sand and Gravel fill**

The quantity to be paid for shall be the actual volume in cubic meters of Sand and Gravel fill to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic Surveys before and after placing and compacting of sand and gravel fill shall be made to determine the actual elevations along the cross sections and the actual quantities for payment. Volume due to settlement as established using settlement plates shall also be considered for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.24 Supply, spread and compact aggregate sub-base course**

The quantity to be paid for shall be the actual volume in cubic meters of aggregate sub-base course to be supplied, spread and compacted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.25 Supply, spread and compact aggregate base course**

The quantity to be paid for shall be the actual volume in cubic meters of aggregate base course to be supplied, spread and compacted in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.26 Construct portland cement concrete pavement (300mm thick) including dowel bars and construction joint**

The quantity to be paid for shall be the actual area in square meters of portland cement concrete pavement (300mm thick) including dowel bars and construction joint to be constructed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.27 Construct reinforced concrete pavement (300mm thick) including temperature bars and asphalt sealer**

The quantity to be paid for shall be the actual volume in cubic meters of reinforced concrete pavement (300mm thick) including temperature bars and asphalt sealer to be constructed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.28 Construct security fence including painting and accessories**

The quantity to be paid for shall be the actual length in linear meters of security fence including painting and accessories to be constructed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.29 Supply deliver and install solar lamp post including accessories**

The quantity to be paid for shall be the actual set of solar lamp post including accessories to be supplied, delivered and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.30 Construct lateral drainage including trench grate, built-up frames, dowels and other accessories**

The quantity to be paid for shall be the actual length in linear meter of lateral drainage including trench grate, built-up frames, dowels and other accessories to be constructed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.31 Construct catch drain manhole including trench grate for manhole cover, built-up frames, dowels and other accessories**

The quantity to be paid for shall be the actual number of catch drain manhole including trench grate for manhole cover, built-up frames, dowels and other accessories to be constructed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.32 Supply, fabricate and install 20mm thick ASTM A572 Grade 50 Plate Machine Bended including dowel bars and accessories**

The quantity to be paid for shall be the actual set of 20mm thick ASTM A572 Grade 50 Plate Machine Bended including dowel bars and accessories to be supplied, fabricated and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.33 Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories**

The quantity to be paid for shall be the actual set of rubber dock fenders (V-type, 500H x 1500L) including accessories to be supplied and delivered in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.34 Install rubber dock fender and accessories**

The quantity to be paid for shall be the actual set of rubber dock fender and accessories to be installed in accordance with the plans and specifications and

accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.35 Re-install newly remove rubber dock fender with new accessories**

The quantity to be paid for shall be the actual set of newly removed rubber dock fender to be re-installed with new accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.36 Supply and deliver to site mooring bollard (35 Tons, T-head) including accessories**

The quantity to be paid for shall be the actual set of mooring bollards (35 Tons, T-head) including accessories to be supplied and delivered in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.37 Install mooring bollards (T-head type) and accessories**

The quantity to be paid for shall be the actual set of mooring bollards (T-head type) and accessories to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 3.38 Re-install newly remove mooring bollards with new accessories**

The quantity to be paid for shall be the actual set of newly removed mooring bollards to be re-installed with new accessories in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## BILL NO. 4

## RC PIER WITH BREAKWATER PILES

**Item 4.01 Supply, deliver & drive 450m x 450mm x 38m PSC Test piles**

The quantity to be paid for shall be the actual number of 450m x 450mm x 38m PSC Test piles to be supplied, delivered and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.02 Supply and deliver to site 450mm x 450mmm PSC Piles**

The quantity to be paid for shall be the actual length in linear meter of 450mm x 450mmm PSC Piles to be supplied and delivered in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full

compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.03 Handle, pitch and drive 450mm x 450mm Vertical PSC Piles**

The quantity to be paid for shall be the actual length in linear meter of 450mm x 450mm Vertical PSC Piles to be handled, pitched and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.04 Handle, pitch and drive 450mm x 450mm Batter PSC Piles**

The quantity to be paid for shall be the actual length in linear meter 450mm x 450mm Batter PSC Piles to be handled, pitched and driven in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.05 Splice 450mm x 450mm PSC piles**

The quantity to be paid for shall be the actual number of 450mm x 450mm PSC piles to be spliced in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.06 Chip/cut and dispose portion of newly driven PSC Piles**

The quantity to be paid for shall be the actual number of portion of newly driven PSC Piles to be chipped/ cut and disposed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.07 Supply and install steel reinforcements for the superstructure**

The quantity to be paid for shall be the actual weight in kilogram of steel reinforcements for the superstructure to be supplied and installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.08 Supply and place 3,500 psi concrete for the superstructure**

The quantity to be paid for shall be the actual volume in cubic meters of 3,500 psi concrete for the superstructure to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.09 Supply and install construction joints (100mm x 100mm x 10mm) angle bar, hot-dipped galvanized including dowel bars**

The quantity to be paid for shall be the actual length in linear meter of construction joints (100mm x 100mm x 10mm) angle bar, hot-dipped galvanized including dowel bars to be supplied and installed in accordance with the plans and specifications and

accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.10 Supply and deliver to site rubber dock fender (V-type, 500H x 2000L) including accessories**

The quantity to be paid for shall be the actual set of rubber dock fender (V-type, 500H x 2000L) including accessories to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.11 Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories**

The quantity to be paid for shall be the actual set of rubber dock fenders (V-type, 500H x 1500L) including accessories to be supplied and delivered in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.12 Install rubber dock fender and accessories**

The quantity to be paid for shall be the actual set of rubber dock fender and accessories to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.13 Supply and deliver to site mooring bollard (35 Tons, T-head) including accessories**

The quantity to be paid for shall be the actual set of mooring bollard (35 Tons, T-head) including accessories to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

**Item 4.14 Install mooring bollards (T-head type) and accessories**

The quantity to be paid for shall be the actual set of mooring bollards (T-head type) and accessories to be installed in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

## FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF

## RENTAL OF SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF

The Contractor shall provide a temporary site office and residence (rental) with an area of at least 48 square meters for use of the Engineer and his staff for the whole duration of the project.

# MINIMUM MAJOR EQUIPMENT REQUIREMENTS

| | | |
|---|---|---|
| 2 | unit/s | Air Compressor (250 cfm, minimum), owned |
| 1 | unit/s | Backhoe (0.40 cu.m., 94.30hp, minimum), owned |
| 1 | unit/s | Centrifugal Trash pumps, owned/leased |
| 1 | unit/s | Clamshell, owned |
| 1 | unit/s | Concrete cutter, owned |
| 2 | unit/s | Concrete Mixer (1 bagger, minimum), owned |
| 2 | unit/s | Concrete bucket, owned |
| 2 | unit/s | Concrete Screeder, owned |
| 2 | unit/s | Concrete Vibrator (3.5 hp, minimum), owned |
| 1 | unit/s | Crane Barge (319 GW, minimum) with 60T crane, owned |
| 1 | unit/s | Crawler Crane (30T, minimum), owned |
| 1 | unit/s | Pile Hammer (Diesel, 7,500 kg.m. min. - 10,500 kg.m. max. or Hydraulic equivalent), owned |
| 1 | unit/s | Pile Hammer (Diesel, 13,500 kg.m. min. – 23,050 kg.m. max. or Hydraulic equivalent), owned/ leased |
| 1 | unit/s | Drop Hammer (2T, minimum), owned |
| 1 | unit/s | Dump Truck (10 tons net capacity, minimum), owned |
| 2 | unit/s | Bar Bender (electric, 25mm dia min.), owned |
| 2 | unit/s | Bar Cutter (electric, 25mm dia min.), owned |
| 2 | unit/s | Jackhammer, owned |
| 2 | unit/s | Oxy/Acetylene cutting outfit, owned |
| 1 | unit/s | Payloader (80 hp, minimum), owned |
| 1 | unit/s | Plate Compactor (5 hp, minimum), owned |
| 1 | unit/s | Road Grader (125 hp, minimum, owned/leased |
| 1 | unit/s | Road Roller (10T, vibratory, minimum), owned/leased |
| 2 | unit/s | Transit Mixer (6 cu.m. cap., minimum), owned/leased |
| 1 | unit/s | Tugboat (500hp, minimum), owned/leased |
| 1 | unit/s | Water Truck with pump (1,000 gal., minimum), owned |
| 2 | unit/s | Welding Machine (400 amp., minimum), owned |
| 1 | unit/s | Cargo Truck (2 tons, minimum), owned |

# CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

The Contractor shall implement the construction safety and health program in accordance with the applicable provisions of the Occupational Safety and Health Standards (OSHS) of the Department of Labor and Employment (DOLE).

The Contractor, subject to the approval of the Engineer shall provide and maintain throughout the duration of the contract a medical room with at least 15 square meters together with all necessary supplies to be sited in the Contractor's main area.

The Contractor shall provide the following minimum requirements:

## LABOR

| | | |
|---|---|---|
| 1 | no. | Safety Engineer / Officer |
| 1 | no. | Nurse / Health Officer |

## EQUIPMENT / MATERIALS

Personnel Protective Equipment

| | | |
|---|---|---|
| 51 | pcs. | Hard Hats |
| 51 | pcs. | Gloves (rubberized) |
| 51 | pcs. | Safety Glasses/Goggles (clear) |
| 102 | pcs. | Long sleeve T-shirt |
| 8 | pcs. | Aprons |
| 4 | pcs. | Safety Belts |
| 51 | pairs | Safety Shoes |
| 4 | pcs. | Life lines |

Safety Devices

| | | |
|---|---|---|
| 1 | lot | Barricades |
| 1 | lot | Warning signs (Signages) |
| 2 | unit/s | Fire extinguisher (10kg) |

| | | |
|---|---|---|
| Medical and First Aid System | - | Twenty-four (24) mos |
| Temporary shelter for workers | - | 1 lot |

NOTE:

The Contractor shall provide the above-cited minimum construction safety and health requirements or as required by the Engineer.

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# REVISED SCHEDULE OF MINIMUM TEST REQUIREMENTS OF CONSTRUCTION MATERIALS FOR PPA INFRASTRUCTURE PROJECTS

| *Materials/Items of Work* | *Required Tests* | *Minimum Incremental Frequency of Tests* |
|---|---|---|
| **I. Construction of Pier/Wharf, Platform and Ramp** | | |
| Structural Concrete (SC) | | |
| A Portland Cement | Quality Test | For every 2,000 bags (40kg) or fraction thereof |
| B Fine Aggregate | Quality Test for Grading, Elutriation (wash), Bulk Specific Gravity, Absorption, Mortar Strength, Soundness, Organic Impurities, Unit Weight, % Clay Lumps and Shale | For every 1,500 cubic meter or fraction thereof |
| C Coarse Aggregate | Quality Test for Grading, Bulk Specific Gravity, Absorption and Abrasion | For every 1,500 cubic meter or fraction thereof |
| D Water | Certificate from the Engineer or Quality Test for Density and Chloride Content | One per source |
| E Steel Bars | Mill Certificate and Quality Test for Chemical Composition and Mechanical Properties | For every 10,000 kg or fraction thereof |
| F Concrete | Compressive Strength on cylinder samples | 1 set consisting of 3 concrete cylinder samples shall be taken from each day's pouring and to represent not more than 75 cu m of concrete or fraction thereof |
| | Slump Test | For every mix |
| G Admixture and Concrete Curing Materials | Quality Test | One per shipment |
| Piling (P) | | |
| A Concrete Piles | Fabrication Report | One per fabrication |
| 1 Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| 2 Steel Bars | Same test as for SC (E) | Same frequency as SC (E) |
| 3 High Tension Strand | Test for Chemical Composition and Mechanical Properties | For every 20000kg or fraction thereof |

| Materials/Items of Work | Required Tests | Minimum Incremental Frequency of Tests |
|---|---|---|
| 4 Coarse Aggregates | Same Test as for SC (C) | Same frequency as SC (C) |
| 5 Fine Aggregates | Same Test as for SC (B) | Same frequency as SC (B) |
| B Steel Pipe Piles | Fabrication Report, Mill Certificate and Quality Test for Chemical and Mechanical properties | One per fabrication |
| 1 Steel | Chemical Composition (refer below) | |
| | - Under 14" (355 60mm) Outside Diameter | 2 from 200 pipe of fraction thereof |
| | - 14" to 36" (355 6 to 914mm) Outside Dia | 2 from 100 pipe or fraction thereof |
| | - Over 36" (914mm) Outside Diameter | 2 from 3000ft (914m) or fraction thereof |
| | Mechanical/Tensile | One (1) tension test shall be made on one length or fraction thereof of each size, or one piece of skelp representing each lot of 200 lengths or fraction thereof of each size |
| 2 Polyurethane Coating | Mill Certificate and Quality Test | One per fabrication |
| 3 Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| 4 Fine Aggregate | Same test as for SC (B) | Same frequency as SC (B) |
| 5 Coarse Aggregate | Same test as for SC (C) | Same frequency as SC (C) |
| 6 Steel Bars | Same Test as SC (E) | Same frequency as SC (E) |
| 7 Water | Same Test as SC (D) | Same frequency as SC (D) |
| Rubber Dock Fenders (RDF) | Physical Test | All units |
| | Performance Test for Energy Absorption and Reaction Force | All units |
| Accessories | | |
| Washer and Fixing Bolt, Anchor Bolt | Physical Test | All units |
| | Quality Test for Chemical Composition and Mechanical Properties | One per fabrication |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| Mooring Bollard (MB) and Accessories (Hexagon Nuts, Plain Washer, Anchor Ring and Anchor Bolt) | Physical Test<br><br>Quality Test for Chemical Composition and Mechanical Properties | All Units<br><br>One per fabrication |
| **II. Construction of Back-Up Area, Causeway and Pavement**<br><br>Sheet Piling (SP)<br><br>A Concrete Sheet Piles | | |
| 1 Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| 2 Steel Bars | Same test as for SC (E) | Same frequency as SC (E) |
| 3 High Tension Strands | Same test as for P (A 3) | Same frequency as P (A 3) |
| 4 Fine Aggregates | Same test as for SC (B) | Same frequency as SC (B) |
| 5 Coase Aggregates | Same Test as for SC (C) | Same frequency as SC (C) |
| B Steel Pipe Piles | | |
| 1 Steel | Same test as for P (B1) | Same frequency as P (B1) |
| 2 Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| 3 Fine Aggregate | Same test as for SC (B) | Same frequency as SC (B) |
| 4 Steel Bars | Same test as for SC (E) | Same frequency as SC (E) |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| Rocks | Test for Apparent Specific Gravity and Abrasion | For every 1,500 cubic meter or fraction thereof |
| Geotextile Filter | Physical and Mechanical Test<br><br>Mill Certificate | One per batch<br><br>One per batch |
| Sand and Gravel Fill | Quality Test for Organic Impurities and Grading | For every 1,500 cubic meter or fraction thereof |
| Selected Fill | Quality Test for Grading, Plasticity and Laboratory Compaction Test<br><br>Laboratory California Bearing Ratio (CBR)<br><br>Field Density Test | For every 1,500 cubic meter or fraction thereof<br><br>For every 2,500 cubic meter or fraction thereof<br><br>For every layer of 150mm of compacted depth at least one group of three in-situ density test for every 500 sq m or fraction thereof |
| Aggregate Base Course | Quality Test for Grading and Plasticity<br><br>Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test<br><br>Laboratory California Bearing Ratio (CBR)<br><br>Field Density Test | For every 300 cubic meter or fraction thereof<br><br>For every 1,500 cubic meter or fraction thereof<br><br>Same frequency as Selected Fill<br><br>Same frequency as Selected Fill |
| Portland Cement Concrete Pavement (PCCP) | | |
| A Portland Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregate | Same test as for SC (B) | Same frequency as SC (B) |
| C Coarse Aggregate | Same test as for SC (C) | Same frequency as SC (C) |
| D Water | Same test as for SC (D) | Same frequency as SC (D) |
| E Steel Bars (Dowels) | Same test as for SC (E) | Same frequency as SC (E) |
| F Joint Filler | Quality Test | One (1) per shipment |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| G Admixture and Concrete Curing Material | Same test as for SC (G) | Same frequency as SC (G) |
| H Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| | Flexural Test | 3 beam samples for every 330 sq m or fraction thereof |
| I Completed Pavement | Core Test | 1 set (3 specimen) for every 2,500 sq m and fraction thereof |
| Interlocking Concrete Blocks | | |
| A Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregate | Same test as for SC (B) | Same frequency as SC (B) |
| C Coarse Aggregate | Same test as for SC (C) | Same frequency as SC (C) |
| D Water | Same test as for SC (D) | Same frequency as SC (D) |
| E Admixture & Concrete Curing Materials | Same test as for SC (G) | Same frequency as SC (G) |
| F Completed Blocks | Physical Test and Compressive Strength | 6 blocks per day of fabrication |
| Cement Treated Base Course (CTB) | | |
| A Portland Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine & Coarse Aggregates | Quality Test for Grading, Abrasion and Soundness | For every 1,500 cubic meter or fraction thereof |
| C Water | Same test as for SC (D) | Same frequency as SC (D) |
| D Completed CTB | Field Density Test | For every layer of 150mm of compacted depth at least one group of three in-situ density test every 500 sq m or fraction thereof |
| Retaining Wall/Coping Wall/RC Curb/RC Ditch/Shear Key/Concrete Blocks\Lean Concrete | | |
| A Portland Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregate | Same test as for SC (B) | Same frequency as SC (B) |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| C Coarse Aggregates | Same test as for SC (C) | Same frequency as SC (C) |
| D Water | Same test as for SC (D) | Same frequency as SC (D) |
| E Steel Bars | Same test as for SC (E) | Same frequency as SC (E) |
| F Admixture and Concrete Curing | Same test as for SC (G) | Same frequency as SC (G) |
| G Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| Tie Rod | | |
| A Steel | Same test as for SC (E) | One per batch |
| B Assembly | Performance Test (Tension) | One per batch |
| Tie Bars and Dowels | Same test as for SC (E) | For every 10,000 kg or fraction thereof per Tie bars and Dowels |
| Pipe Culverts and Storm Drains | | |
| A Pipes | Test for Strength, Absorption and Physical | For every 50 pieces |
| B Mortar or Joint | Same Test as for SC (A,B and D)<br>Alternative Test Same test as for SC (F) and Inspection Report | For every 25 pieces |
| Concrete Hollow Blocks | | |
| A Portland Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregates | Same test as for SC (B) | Same frequency as SC (B) |
| C Water | Same test as for SC (D) | Same frequency as SC (C) |
| D Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| E Completed CHB | Quality Test | One for every 500 pieces or fraction thereof |
| Construction Joints (CJ) | | |
| A Angle Bars | Test for Physical and Mechanical Properties | One per batch |
| B Steel Bars | Same test as for SC (E) | One per batch |
| C Zinc (Hot Dip Galvanizing) Coatings | Physical Test for Appearance, Stripping, Weighing, Adherence and Adhesion | All units |
| | Coating Thickness<br>Magnetic Thickness Measurement | 1 set (3 specimen) for every 100,000 sq mm or fraction thereof |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| Sacked Concrete | | |
| A Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregates | Same test as for SC (B) | Same frequency as SC (B) |
| C Coarse Aggregates | Same test as for SC (C) | Same frequency as SC (C) |
| D Water | Same test as for SC (D) | Same frequency as SC (D) |
| E Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| F Sack (jute) | Physical Test | One for every 50 pieces |
| Rubble Concrete | | |
| A Cement | Same test as for SC (A) | Same frequency as SC (A) |
| B Fine Aggregates | Same test as for SC (B) | Same frequency as SC (B) |
| C Coarse Aggregates | Same test as for SC (C) | Same frequency as SC (C) |
| D Water | Same test as for SC (D) | Same frequency as SC (D) |
| E Concrete | Same test as for SC (F) | Same frequency as SC (F) |
| F Rocks | Same test as for ROCKS | Same frequency as ROCKS |
| Earthworks | | |
| A Sub-grade preparation | Grading Test<br>Plasticity Test (LL,PL,PI)<br>Laboratory Compaction Test | For every 1,500 cubic meter or fraction thereof |
| | Density Test | For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof |
| B Structure Excavation | If excavated materials shall be used as Backfill<br>Grading Test<br>Plasticity Test (LL,PL,PI)<br>Laboratory Compaction Test | For every 1,500 cubic meter or fraction thereof |
| | Density Test | For every layer of 150mm of compacted depth at least one group of three In-situ density test every 500 sq m or fraction thereof |

| ***Materials/Items of Work*** | ***Required Tests*** | ***Minimum Incremental Frequency of Tests*** |
|---|---|---|
| **III Port Operations Building/Passenger Terminal Building/Transit Shed/Warehouse** | | |
| *STRUCTURAL WORKS* | Refer to Structural Concrete (SC) and Piling Works (P) | |
| *ARCHITECTURAL WORKS* | | |
| Ceramic – Filled Liquid Membrane / Water Proofing, Hydrophobic Poreblocking Ingredients with Superplasticizer | Physical Property, Mechanical and Chemical Property, Leak Test / Flood Test | One per shipment |
| Paint | Quality Test | One 4-L can for every 100 cans or fraction thereof |
| Ceramic Tile | Inspection and Evaluation Report from the Engineer | One per shipment |
| Stainless Steel | Inspection and Evaluation Report from the Engineer | One per shipment |
| Roofing Materials | Inspection and Evaluation Report from the Engineer | One per shipment |
| Ceiling Materials | Inspection and Evaluation Report from the Engineer | One per shipment |
| *ELECTRICAL AND MECHANICAL WORKS* | | |
| Wires / Cables | Inspection and Evaluation Report from the Engineer<br>Testing and Commissioning | One per shipment |
| Electrical Devices | Inspection and Evaluation Report from the Engineer<br>Testing and Commissioning | One per shipment |
| Fire Alarm System | Inspection and Evaluation Report from the Engineer<br>Testing and Commissioning | One per item |
| Wiring Devices | Inspection and Evaluation Report from the Engineer<br>Testing and Commissioning | One per shipment |

| Materials/Items of Work | Required Tests | Minimum Incremental Frequency of Tests |
|---|---|---|
| Protective Devices | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per shipment |
| Telephone System | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| CCTV System | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| CATV System | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| Background Music and Paging System | Inspection and Evaluation Report from the Engineer, Testing and Commissioning | One per item |
| Air Conditioning Units & Ventilation | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| Conduit Pipes | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| Lighting Fixtures | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| ***PLUMBING WORKS*** | | |
| Pipes | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |

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| Materials/Items of Work | Required Tests | Minimum Incremental Frequency of Tests |
|---|---|---|
| Fixtures | Inspection and Evaluation Report from the Engineer<br><br>Testing and Commissioning | One per item |
| Pipe Culverts | Compression Strength<br><br>Inspection and Evaluation Report from the Engineer | For every size not more than 25 pipes cast in the field |
| **IV Miscellaneous Materials**<br>Fencing<br>A Barbed Wire, Cyclone Wire Mesh, Chain Link<br><br>B Concrete Post | Physical Test (Dimensions and Coatings)<br><br>Refer to Superstructure (SC) | One per Batch<br><br>Refer to Superstructure (SC) |
| Lamp Post<br>A Structural Steel<br><br>B Zinc (Hot Dip Galvanizing) Coatings | Physical Test (Dimensions)<br>Same test as for SC (E)<br><br>Same test as for CJ (C) | All units<br><br>One per batch |
| Drainage Steel Grating | Same test as for SC (E)<br><br>Inspection Report | One (1) batch |
| Metal Pipe (Cast Iron Galvanized, etc ) | Physical Test (Dimensions and Coatings) | 1 per delivery |
| Welding Works | Destructive and Non Destructive Test | One (1) per lot |

**NOTES**
1. **Testing of RDF shall be performed only by an independent Testing Laboratory duly accredited by BRS, DOST and PPA**
2. **Testing of other materials shall be performed only by an independent Testing Laboratory duly accredited by BRS and PPA.**
3. **All other issuances which are otherwise inconsistent herewith are hereby revoked or otherwise amended.**

Approved

**RAUL T. SANTOS**
Officer-In-Charge,
Office of the General Manager

# *SECTION IX*

# *CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS*

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

*Class "A" Documents*

*Legal Documents*

☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages)

*Technical Documents*

☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**

☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**

☐ (d) Special PCAB License in case of Joint Ventures;
**and** registration for the type and cost of the contract to be bid; **and**

☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
**or**
Original copy of Notarized Bid Securing Declaration; **and**

(f) Project Requirements, which shall include the following:

☐ a. Organizational chart for the contract to be bid;

☐ b. List of contractor's key personnel (*e.g.*, Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;

☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**

☐ (g) Original duly signed Omnibus Swom Statement (OSS);
**and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

*Financial Documents*

☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

***Class "B" Documents***

☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
**or**
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

## II. FINANCIAL COMPONENT ENVELOPE

☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

*Other documentary requirements under RA No. 9184*

☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**

☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**

☐ (m) Cash Flow by Quarter.

# *SECTION X*

# *BIDDING FORM*

# Bid Form for the Procurement of Infrastructure Projects

***[shall be submitted with the Bid]***

## BID FORM

Date : _____
Project Identification No. : _____

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers _____, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **Sindangan Port Expansion Project, Port of Sindangan, Sindangan, Zamboanga Del Norte**;

b. We offer to execute the Works for this Contract in accordance with the PBDs;

c. The total price of our Bid in words and figures, excluding any discounts offered below is: _____;

d. The discounts offered and the methodology for their application are: _____;

e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,

f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;

g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of _____ percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines[1] for this purpose;

h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

i. We understand that this Bid, together with your written acceptance thereof included

[1] currently based on GPPB Resolution No. 09-2020

in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Sindangan Port Expansion Project, Port of Sindangan, Sindangan, Zamboanga Del Norte** of the **Philippine Ports Authority.**

l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

## STATEMENT OF THE BIDDER'S ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS, INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

I hereby declare that all ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid are listed below:

| Name of outstanding Contracts 1] | Owner's Name and Address | Scope of Work 2] | Contractor's Role and Percentage of Participation 3] | Total Contract Amount or Value 4] | Date of Contract and NOA 5] | Value of Outstanding Works 6] | Accomplishment (in percentage, %) 7] | | Contract Duration 8] | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Planned | Actual | Start of Project | Estimated Completion Date |
| A) Government Contracts<br>i. On-going<br>ii. Awarded but not yet started<br>B) Private Contracts<br>i. On-going<br>ii. Awarded but not yet started | | | | | | | | | | |

**NOTE:**

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso.
5] As appearing in the Contract and Notice of Award (NOA).
6] Amount or value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.
7] Percentage of Accomplishment as of the preceding month which should not be earlier than two (2) months from the date of bid submission.
8] As appearing in the Notice to Proceed and Contract.

This Statement shall be supported by:

a) Notice of Award
b) Notice to Proceed and Contract

| Name of Firm | Name of Bidder/Authorized Representative (Signatory's Legal Capacity) | Date |
|---|---|---|

Revised: September 2021

## STATEMENT OF THE BIDDER'S SINGLE LARGEST COMPLETED CONTRACT (SLCC) SIMILAR TO THE CONTRACT TO BE BID

| Name of the completed Contract<br>1] | Owner's Name and Address | Scope of Work<br>2] | Contractor's Role and Percentage of Participation<br>3] | Total Contract Value At 4] | | | Date of Award<br>5] | Contract Duration 6] | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Award | Completion | Escalated Value to Present Prices | | Start | Completed |
| | | | | | | | | | |

**NOTE :**

1] As appearing in the contract executed by the parties.
2] With special reference to the Scope of Works of the Project as described/enumerated in the Contract.
3] Indicate the percentage of participation and whether as Sole Contractor, Sub-Contractor or Member in a Joint Venture / Consortium.
4] Indicate the FOREX used if Contract Value is expressed in a currency other than the Philippine Peso. Attached the computation for the escalated contract value.
5] As appearing in the Notice of Award.
6] As appearing in the Notice to proceed and Certificate of Completion.

A. The bidder must have an experience of having completed a SLCC that is similar to the contract to be bid equivalent to at least fifty percent (50%) of the ABC, adjusted if necessary, by the Bidder to current prices using the PSA consumer price indices. A contract is considered to be "similar" to the contract to be bid if it has the same Major Categories of Work as stated in the Bid Data Sheet (BDS).
B. This Statement shall be supported by:
   a. Notice of Award, Notice to Proceed and Contract.
   b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least Satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/ Constructor, 3) Name of Contract, and 4) Contract Duration.
   c. Recapitulation or Final Bill of Quantities..

| Name of Firm | Name of Bidder/Authorized Representative<br>(Signatory's Legal Capacity) | Date |
|---|---|---|

Revised: September 2021

## STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS SIMILAR TO THE CONTRACT TO BE BID

| Major Categories of Work 1] | Unit of Measure 1] | Quantity 1] | SLCC similar to the contract to be bid 2] | Other completed contracts similar to the contract to be bid 2] | | | Unit of Measure 2] | Quantity 2] |
|---|---|---|---|---|---|---|---|---|
| | | | Name of the contract | Name of the contract | Name of the contract | Name of the contract | | |
| 1. Pile Driving Works (Offshore) | l.m. | 9,239 | | | | | | |
| 2. Reinforced Concrete Works: | cu.m. | 996 | | | | | | |
| 3. Rockworks (50-1,000 kg/pc) | cu.m. | 3,422 | | | | | | |
| 4. Placing of fill materials | cu.m. | 10,746 | | | | | | |

**NOTE:**
1] As stated in the Bid Data Sheet.
2] As appearing in the Recapitulation and/ or Final Bill of Quantities.
This statement shall be supported by:
a. Notice of Award, Notice to Proceed and Contract.
b. Project Owner's Certificate of Final Acceptance issued by the owner and/ or Constructors Performance Evaluation System (CPES) Final Rating, of at least satisfactory. The said Certificate of Acceptance shall contain the following: 1) Name of project owner that issued the certificate, 2) Name of Contractor/Constructor, 3) Name of Contract, and 4) Contract Duration.
c. Recapitulation and/ or Final Bill of Quantities.

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

Revised: September 2021

# FINANCIAL DATA

A. The prospective bidder's audited Financial Statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "RECEIVED" by the Bureau of Internal Revenue (BIR), or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission.

| | Year |
|---|---|
| 1. Total Assets | |
| 2. Current Assets | |
| 3. Total Liabilities | |
| 4. Current Liabilities | |
| 5. Net worth (1-3) | |
| 6. Net Working Capital (2-4) | |

B. The computation of the bidders Net Financial Contracting Capacity (NFCC) must be at least equal to the ABC to be bid, as follows:

NFCC = [ (Current assets minus current liabilities) (15) ] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract to be bid.

NFCC = _____

Attached herewith are certified true copies of the audited financial statements stamped received by the BIR or BIR authorized collecting agent for the latest/immediately preceding calendar year.

_____
Name of Firm/Applicant

_____
Authorized Signing Official

Date:_____

*NOTES:*

If Partnership or Joint Venture, each Partner or Member Firm of Joint venture shall submit separate financial statements.

## STATEMENT OF THE BIDDER'S KEY PERSONNEL PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following key personnel are qualified and available for the duration of the contract to be bid: _____

| Position of Key Personnel 1] | Name | No. of Key Personnel | Similar Experience in the Position (Years) 2] | Total Experience in the Position (Years) | Attachment(s) | Annex(es) |
|---|---|---|---|---|---|---|
| Project Manager | | | | | PRC License (CE Preferred)<br>Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |
| Project Engineer | | | | | PRC License (CE Preferred)<br>Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |
| Materials Engineer II | | | | | PRC License (CE Preferred)<br>Submit Valid and Renewed DPWH Certificate of Accreditation<br>Submit Accreditation Identification Card as Materials Engineer<br>Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |
| Construction Safety and Health Officer | | | | | Certificate of Safety and Health Construction Related Course issued by DOLE Accredited Trainings<br>Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |
| Foreman | | | | | Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |
| Other Position(s) | | | | | Complete Qualification and Experience Data<br>Certificate of Commitment | Annex "_" |

**NOTE:** 1] As stated in the Bid Data Sheet
2] The number of years of experience of the key personnel shall be as indicated in the qualification and experience data or curriculum vitae.

Minimum qualification requirements: The key personnel must have a work experience that is similar in nature and complexity to the contract to be bid.

Project Manager - Five (5) years
Project Engineer - Three (3) years
Materials Engineer II – for projects costing more than 100M
Foreman - Five (5) years
Construction Safety and Health Officer – One (1) year

_____ Name of Firm

_____ Name of Bidder/Authorized Representative (Signatory's Legal Capacity)

_____ Date

Revised: September 2021

## STATEMENT OF THE BIDDER'S EQUIPMENT PLEDGED FOR THE CONTRACT TO BE BID

I hereby declare that the following equipment are in good operating condition and available for the duration of the contract to be bid:

| DESCRIPTION (Type, Model, Make) | No. of Unit(s) | Capacity/ Output 1] | Owned, Leased, and/or under purchased agreement 2] | Proof of Ownership/ Leased/ Under Purchase Agreement (Mark as Annex "A.....Z") 3] | OTHER INFORMATION (As Applicable) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Manufacturer | Engine Serial No. | Chassis No./ Name of Vessel | Location | Status |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**NOTE:**

1] The unit of capacity of the pledged equipment shall be as indicated in the Proof of Ownership, i.e. GW (for crane barge), DWT (for deck barge and hopper barge), Ton (for crane, road roller and drop hammer), kg.-m/blow (for diesel hammer), cu.m. (for dump truck), hp (for tugboat, road grader, bulldozer and concrete vibrator), cfm (for compressor), gal (for water truck with pump), amp (for welding machine), bagger (for concrete mixer). If the capacity of the pledged equipment is not indicated in the Proof of Ownership/Leased Contract/Purchased Agreement, submit other proof of capacity such as specifications, brochures or other verifiable printouts indicating the model name, model number and other details of the equipment.

2] Indicate if the pledged equipment are owned, leased or under purchase agreement.

3] If the pledged equipment is owned, it should be in the name of the bidder. Submit proof of ownership, i.e. deed of sale, sales invoice, official receipt; For owned Water Truck, Dump Truck and Transit Mixer submit LTO Certificate of Registration and valid Official Receipt; For owned barge/tugboat, submit Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

If the pledged equipment is leased/under purchased agreement, submit certification of availability of equipment from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement.

If the pledged barge/tugboat is leased/under purchase agreement, submit certification of availability of barge/tugboat from the equipment lessor/vendor for the duration of the project, and duly Notarized copy of leased contract/purchased agreement together with a copy of the Marina Certificate of Ownership and valid Cargo Ship Safety Certificate.

The Minimum Major Equipment Requirements are listed in Section 8, Annex 3.

| Name of Firm | Name of Bidder/Authorized Representative (Signatory's Legal Capacity) | Date |
|---|---|---|

Revised: September 2021

# Omnibus Sworn Statement for Sole Proprietorship

*[shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )
CITY/MUNICIPALITY OF _____ ) S.S.

## AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the sole proprietor or authorized representative of _____ with office address at _____;

2. As the owner and sole proprietor, or authorized representative of _____, I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Sindangan Port Expansion Project, Port of Sindangan, Sindangan, Zamboanga del Norte** as shown in the attached duly notarized Special Power of Attorney;

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. The owner or sole proprietor is not related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or

representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF,** I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

***[Jurat]***
*[Format shall be based on the latest Rules on Notarial Practice]*

# Omnibus Sworn Statement for Partnership or Cooperative

***[shall be submitted with the Bid]***

---

REPUBLIC OF THE PHILIPPINES )
CITY/MUNICIPALITY OF _____ ) S.S.

## AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

1. I am the duly authorized and designated representative of _____ with office address at _____;

2. I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Sindangan Port Expansion Project, Port of Sindangan, Sindangan, Zamboanga del Norte** of the **Philippine Ports Authority**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF,** I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

***[Jurat]***
*[Format shall be based on the latest Rules on Notarial Practice]*

# Omnibus Sworn Statement for Corporation or Joint Venture

***[shall be submitted with the Bid]***

REPUBLIC OF THE PHILIPPINES )
CITY/MUNICIPALITY OF _____ ) S.S.

## AFFIDAVIT

I, _____, of legal age, [Civil Status], [Nationality], and residing at _____, after having been duly sworn in accordance with law, do hereby depose and state that:

*1.* I am the duly authorized and designated representative of _____ with office address at _____;

*2.* I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Sindangan Port Expansion Project, Port of Sindangan, Sindangan, Zamboanga del Norte**, as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

*6.* None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

   a. Carefully examining all of the Bidding Documents;
   b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
   c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
   d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

**IN WITNESS WHEREOF,** I have hereunto set my hand this __ day of ___, 20__ at _____, Philippines.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

***[Jurat]***
*[Format shall be based on the latest Rules on Notarial Practice]*

# Bid Securing Declaration Form

***[shall be submitted with the Bid if bidder opts to provide this form of bid security]***

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

**BID SECURING DECLARATION**
**Project Identification No.: _____**

To: **Philippine Ports Authority**
PPA Building, Bonifacio Drive,
South Harbor, Port Area, Manila

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.

2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.

3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:

   a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
   b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
   c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month] [year]* at *[place of execution]*.

_____
Name of Bidder/ Authorized Representative
(Signatory's Legal Capacity)
AFFIANT

***[Jurat]***
*[Format shall be based on the latest Rules on Notarial Practice]*

# CONSTRUCTION METHODOLOGY

Name of Project : _____

Project Description : _____

Location : _____

## MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

### A. REMOVAL AND EXCAVATION WORKS

1. Chipping of RC Curb & smoothen with mortar
2. Removal and disposal of existing coping wall.
3. Removal and disposal of existing fence
4. Removal and disposal of existing pavement and ramp
5. Scraping of gravel base course
6. Removal of existing walkway
7. Removal of existing mooring bollard and rubber dock fender
8. Removal of existing solar and single angle bar lamp post including accessories
9. Excavation of seabed

### B. PORT OPERATIONAL AREA & CONTINUOUS RORO RAMP

1. Supply & driving of Z-type Steel sheet pile and connector
2. Supply & installation of dowel bars for Steel sheet piles
3. Handling, pitching & driving of Steel Sheet piles
4. Supply & installation of steel waling and splice plate
5. Supply & driving of Steel Pipe pile including protection coating
6. Handling, pitching & driving of Steel Pipe piles
7. Cutting & disposal of newly driven Steel Pipe piles
8. Extraction of clogged materials inside the SPP
9. Supply & placing of sand filler for SPP
10. Supply & placing of concrete filler for SPP
11. Supply & installation of reinforcing steel cage for SPP
12. Supply & driving of PSC anchor and mooring pile
13. Cutting & disposal of newly driven PSC anchor and mooring pile
14. Supply & placing of 3,500 psi concrete
15. Supply & installation of reinforcing steel bars
16. Supply & placing of gravel bedding
17. Supply & placing of 50 to 1,000 kg. rocks
18. Supply & installation of Tie-rod
19. Supply & installation of geotextile fabric
20. Supply & placing of fill materials
21. Supply & placing of aggregate base course
22. Construction of PCCP and reinforced concrete Pavement
23. Construction of security fence
24. Supply & installation of solar lamp post and accessories
25. Drainage system
26. Supply, fabricate & installation of grade 50 plate machine bended
27. Supply & installation of new newly removed rubber dock fenders
28. Supply & installation of new of newly removed mooring bollards

## C. RC PIER WITH BREAKWATER PILES

1. Supply & driving of PSC test piles
2. Supply & driving of PSC piles
3. Cutting & disposal of newly driven PSC pile
4. Supply & placing of 3,500 psi. concrete for the superstructure
5. Supply & installation of reinforcing steel bar for the superstructure
6. Supply & installation of construction joints
7. Supply & installation of Rubber dock fenders
8. Supply & installation of mooring bollards

**NOTES:**

The narrative construction method will guide and familiarize the contractor and the PPA on how the project shall be carried out in accordance with the highest standard of workmanship.

The construction method shall be consistent with the Bar Chart / S-Curve Schedule, Equipment Schedule and Manpower Schedule.

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

# MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

| MANPOWER (Minimum) | CONTRACT DURATION (_____ Calendar Days) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | MONTHLY | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| Project Manager | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Engineer | | | | | | | | | | | | | | | | | | | | | | | | |
| Materials Engineer II | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Safety and Health Officer | | | | | | | | | | | | | | | | | | | | | | | | |
| Foreman | | | | | | | | | | | | | | | | | | | | | | | | |
| Specify other applicable positions, ie.: | | | | | | | | | | | | | | | | | | | | | | | | |
| Carpenter | | | | | | | | | | | | | | | | | | | | | | | | |
| Steelman | | | | | | | | | | | | | | | | | | | | | | | | |
| Mason | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrician | | | | | | | | | | | | | | | | | | | | | | | | |
| Rigger | | | | | | | | | | | | | | | | | | | | | | | | |
| Others | | | | | | | | | | | | | | | | | | | | | | | | |

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

# EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

| EQUIPMENT (Minimum) | No. of Units | CONTRACT DURATION (_____ Calendar Days) | | | | | | | | | | | | | | | | | | | | | | | |
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| | | M O N T H L Y | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
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Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

Revised: September 2021

# CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Project Description : _____

Location : _____

| Project Duration (days or months) | Payment Schedule (Monthly, in Pesos) | Cash flow (Quarterly, in Pesos) |
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| **TOTAL** | | |

***NOTES***

- The cash flow by quarter and payment schedule should be consistent with the Bar Chart and S-curb.
- Payment schedule shall not be more than once a month.

_____
Name of Bidder/Authorized Representative
(Signatory's Legal Capacity)

**Revised: September 2021**

# Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

***[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]***

## CONTRACT AGREEMENT

THIS AGREEMENT, made this _____ day of _____, _____ between **Philippine Ports Authority** with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Manila (hereinafter called the "Entity") and **[name and address of Contractor]** (hereinafter called the "Contractor").

WHEREAS, the Entity is desirous that the Contractor execute **[name and identification number of contract]** (hereinafter called "the Works") and the Entity has accepted the Bid for **[contract price in words and figures in specified currency]** by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.

2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

   a. Philippine Bidding Documents (PBDs);
      i. Drawings/Plans;
      ii. Specifications;
      iii. Bill of Quantities;
      iv. General and Special Conditions of Contract;
      v. Supplemental or Bid Bulletins, if any;

   b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

   Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

   c. Performance Security;

   d. Notice of Award of Contract and the Bidder's conforme thereto; and

e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of **[total contract price in words and figures]** or such other sums as may be ascertained, **[Named of the bidder]** agrees to **[state the object of the contract]** in accordance with his/her/its Bid.

4. The **Philippine Ports Authority** agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

| | |
|---|---|
| **JAY DANIEL R. SANTIAGO**<br>General Manager | **Name of Bidder/ Authorized Representative**<br>(Signatory's Legal Capacity) |
| for: | for: |
| **Philippine Ports Authority** | **Contractor** |

**Acknowledgment**

*[Format shall be based on the latest Rules on Notarial Practice]*