

IDENTIFICATION TAGS AND PLATES

Provide equipment, thermometers, valves, and controllers with tags numbered and stamped for their use. Plates and tags shall be of brass or suitable non-ferrous material, securely mounted or attached. Minimum letter and numeral size shall be 1/8 inch.

EXECUTION

INSTALLATION

Application and installation practices for unitary air-conditioning systems shall conform to the requirements of an acceptable industry standard for installation of unitary systems.

1. General

Install equipment and components in a manner to insure proper and sequential operation of the equipment and its controls. Installation of equipment not covered herein or in manufacturer's instructions shall be installed as recommended by manufacturer's representative. Provide proper foundations for mounting of equipment, accessories, appurtenances, piping and controls including, but not limited to, supported vibration isolators, stands, guides, anchors, clamps, and brackets. Foundations for equipment shall conform to equipment manufacturer's recommendation, unless otherwise shown in the drawings. Set anchor bolts and sleeves accurately using properly constructed templates. Anchor bolts shall be of adequate length and provided with welded-on plates on the head end embedded in the concrete. Level equipment bases, using jacks or steel wedges, and neatly grouted-in with a non-shrinking type of grouting mortar. Locate equipment so that working space is available for all necessary servicing such as shaft removal, disassembling compressor cylinders and pistons, replacing or adjusting drives, motors, or shaft seals, access to water heads and valves of shell and tube equipment, tube cleaning or replacement, access to automatic controls, refrigerant charging, lubrication, oil draining and working clearance under overhead lines. Provide electric isolation between dissimilar metals for the purpose of minimizing galvanic corrosion.

2. Unitary Air-Conditioning System

Install system as indicated, in accordance with the requirements of ASHRAE 15-76 and as recommended in the manufacturer's installation and operational instructions.

3. Electrical Work

Electric motor driven equipment specified herein shall be provided complete with motors, motor starters, and controls. Electrical equipment and wiring shall be in accordance with Section 7.1, "Electrical General Requirements" of division 7. Motor starters shall be provided complete with properly sized thermal overload protection and other appurtenances necessary for the motor control wiring required for controls and devices but not indicated.

4. Piping

a. Piping Sleeves

Pipe sleeves shall be as Galvanized Iron, Schedule 20.

b. Provide refrigerant driers, sight glass liquid indicators, moisture indicators, and strainers in refrigerant piping for remote installations when not furnished by the manufacturer as part of the equipment.

c. Locate strainers close to equipment they are to protect. Provide a strainer in the common refrigerant liquid supply to two or more thermal valves in parallel when each thermal valve has a built-in strainer. Install strainers with screen down and in direction of flow as indicated on strainers body.

d. Solenoid valves shall be installed in horizontal lines with stem vertical and with flow in direction indicated on the valve. If not incorporated as internal part of the valve, provide strainers upstream of the solenoid valve. Provide service valves upstream of the solenoid valve, upstream of the strainer, and downstream of the solenoid valve. Remove the internal parts of the solenoid valve when brazing the valve.

5. Auxiliary Drain Pans, Drain Connections, and Drain Lines

Provide auxiliary drain pans under all drain pans of the units located above finished ceilings or over mechanical or electrical equipment where condensate overflow over unit drain pan may cause damage to ceilings, piping, and equipment below. Provide drain lines for all drain and auxiliary drain pans. Trap the drain from bottom pan of air-conditioning units to insure complete pan drainage. Drain lines shall be full size of opening.

6. Air Filters

Provide access panels for all concealed valves, controls, dampers, and other fittings requiring inspection and maintenance.

7. Inspection Plates and Test Holes

Inspection plates and test holes where required in casings for air balance measurements shall conform to SMACMA High Pressure Low Velocity Duct Construction Standards. Test holes shall be a factory-fabricated, air-tight, non-corrosive test hole with screw cap and gasket. Extend cap through insulation.

8. Flashing and Pitch Pockets

Provide flashing and pitch pockets for equipment support and roof penetrations and flashing where piping or ductwork passes through exterior walls.

FIELD TESTS AND INSPECTIONS

1. Tests

All tests shall be performed and materials and equipment required for test shall be furnished by the Contractor. Tests after installation and prior to acceptance shall be performed in the presence of a representative of the Owner and subject to his approval. Equipment and material certified as having been successfully tested by the manufacturer in accordance with referenced specifications and standards will not require retesting before installation. Equipment and materials not tested at the place of manufacturer will be tested before or after installation, as applicable, where necessary to determine compliance with referenced specifications and standards.

2. Leak Testing

Upon completion of installation of the air-conditioning equipment, test all factories as well as field refrigerant piping with an electronic-type leak detector to acquire leak tight refrigerant systems. If leaks are detected at the time of installation or during the guarantee period, remove the entire refrigerant charge from the system, correct the leaks and retest the system.

3. Evacuation, Dehydration, and Charging

After system is found to be without leaks, evacuate the system using a reliable gauge and a vacuum pump capable of pulling a vacuum of at least 1 mm lig absolute. Evacuate system in strict compliance with the triple evacuation and blotter method or in strict accordance with equipment manufacturer's printed instructions. System leak testing, evacuation, dehydration, and charging with refrigerant shall comply with the requirement contained in an acceptable industry standard.

4. Start-Up and Operation Tests

The air-conditioning system and its components shall be started and initially placed under operation and checked to see that it is functioning correctly. Adjust safety and automatic control instruments as necessary to place them in proper operation and sequence. The operational test shall be not less than 8 hours.

5. Performance Tests

Upon completion of evacuation, charging, start-up, final leak testing, and proper adjustment of controls, the system shall be performance tested to demonstrate that it complies with the performance and capacity requirements of the specifications and plans. Test the system for not less than 8 hours, during which time hourly readings shall be recorded. At the end of the test period, the readings shall be averaged and the average shall be considered to be the system performance.

6. Sound Tests, Air-conditioners, Unitary, Split Type

Sound pressure level measurements shall be conducted on units designated by the Owner. Calculate sound power levels by ASHRAE Systems Handbook and Product Directory. Submit test results and calculations.

ITEM 34 : WINDOW TYPE ROOM AIR CONDITIONING SYSTEMS**GENERAL**

Mechanical General Requirements" applies to this section with additions and modification specified herein.

SCOPE OF WORK

All Materials and equipment under this Division shall be furnished and installed by the Owner.

1. Furnish materials that are new and conform to the standards of organizations mentioned in the General Provisions.
2. The units shall be equal to that shown on the drawings with capacity not less than specified.
3. Provide electrical connections as required by the applicable codes.

PRODUCTS**WINDOW TYPE ROOM AIR CONDITIONER**

The units shall be window type. Capacity rating and electrical characteristics shall be as indicated.

1. Energy Efficiency Ratio (EER) Submit data to demonstrate that the units will produce the efficiency rates specified.
 - a. Window Type Units: Units shall produce not less than 8.5 BTU's per hour cooling per watt-input for 230 volts AC units.

2. Exhaust Air

Provisions shall be made in the unit for controlled exhausting of room air and/or the controlled admittance of fresh air from the unit.

3. Unit Supports

Provide supports and mounts in accordance with manufacturer's recommendation or as indicated on drawings.

4. Corrosion Prevention

Treat units with a factory coating system as specified under paragraph entitled "Corrosion Prevention".

5. Condensate drain lines shall PVC conforming to ASTM D 2665. Insulate all condensate drain lines with 15 mm thick flexible elastomeric.

EXECUTION

INSTALLATION

1. Install system as indicated, in accordance with the requirements of ASHRAE 15-76 and as recommended in the manufacturer's installation and operational instruction.
2. Install the drain pipe and secure to the wall.
3. Upon completion of the system, the unit shall be tested to demonstrate that it complied with the performance and capacity requirements of the specification and drawings.
4. Read and record the power draw the refrigeration suction and liquid pressures as required for Balancing and Test.

ITEM 35 : EXHAUST EQUIPMENT**GENERAL**

"Mechanical General Requirements" applies to this section with additions and modification specified herein.

SCOPE OF WORK

1. Furnish materials that are new, of first-class quality.
2. Install all materials in strict accordance with the manufacturer's instructions and specifications.

PRODUCTS**MATERIAL REQUIREMENTS****1. Ceiling Mounted Cassette Type Exhaust Fans**

The exhaust fans shall be of the built-in ceiling type, ceiling mounted, suitable for ducted operation. Sizes and capacities are based on KDK, NATIONAL models or approved equal. Brand and models indicated herein is for the purpose of establishing product quality, capacities and dimensions. Other brands satisfying the same shall likewise be accepted, subject to the approval of the owner and Engineer In-Charge. The capacities of the units shall be as shown on the Drawings.

2. Wall Mounted Propeller Exhaust Fan

The wall-mounted propeller exhaust fan shall be direct-drive three blade type with a steel mounting plate. Capacity of the fan shall be as shown on the drawings. Fan blades shall be constructed of steel or aluminum. The fan hub shall be of heavy construction and shall be of steel or semi-steel, and the blades shall be riveted to the hub. Fan blade shall be quiet in operation and shall be statically and dynamically balanced at the factory. Motor and Drive shall be of the condenser motor type, tightly sealed and dust proof with non-lubricating ball bearings. The fan shall be provided with automatic shutters to prevent air from re-entering the fan when fan is off. The fan control switch shall be located as near as possible to the fan.

EXECUTION

1. Install the fan securely to the ceiling.
2. Install back-draft dampers and check to make sure they are free to open and close.
3. Connect power and check rotation of fan.

ITEM 36 : DISTRIBUTION TRANSFORMER**SCOPE OF WORK**

The work to be done shall consist of supply, and delivering and installing distribution transformer completed in accordance with all the materials submitted by Peninsula Electric Cooperative, Inc., (PENELCO) of Bataan, including labor, tools and equipment and all incidental works as found necessary.

GENERAL REQUIREMENTS

- a) All works shall be done in accordance with the requirements of the publications and agencies having jurisdiction, as well as the requirements of the approved standards.

1. American National Standard Institute - (ANSI)
2. Institute of Electrical and Electronics Engineers - (IEEE)
3. National Electrical Manufacturer Association - (NEMA)
4. Philippine Electrical Code - (PEC)
Philippine National Standard - (PNS)

b) Materials Requirements

- o Distribution Transformer,
- o Conventional
- o Pole Type
- o Oil Immersed
- o Self –Cooled
- o Single Phase , 1Ø , 60hz
- o 65 °C Temperature rise

Capacity	:	75KVA
Primary Voltage	:	7.62 / 13.2 Y kV 2-2.5% taps FCAN and 2-2.5% taps FCBN Available on tap changer for de-energized operation
Primary BIL Rating	:	95kV
Secondary Voltage	:	120 /240V
Secondary BIL Rating	:	30kV
Percent Impedance	:	ANSI Standard
HV/LV Conductor	:	Copper / Aluminum
Insulating Fluid:	:	Mineral Oil
Core	:	Silicon Core
NLL	:	190W
LL	:	650W

c) Standard Test Reports:

1. Routine Tests

- Turn Ratio Test
- Voltage Ratio Test
- No Load Loss & Load Loss Test
- Impedance Voltage Test
- Applied Potential Test
- Induced Potential Test

2. Type of Test

- Impulse test
- Temperature Rise Test

PRODUCTS (DISTRIBUTION TRANSFORMER)

External Features

- High Voltage Bushing
- Low Voltage Bushing
- Tank and Cover
- Pressure Relief Valve
- Tank and Low Voltage Grounding Provision
- Externally Operated No-Load Tap Changer
- Radiators

Internal Features

- Core Coil Assembly
- Winding Material
- Insulating Di-Electric Fluid
- Coil Support

PRODUCTS (GENERAL DESCRIPTION)

1. **High Voltage Bushing**, the cover mounted and tank - wall high voltage bushing are made of wet process porcelain suitable for both copper and aluminum conductors.
2. **Low Voltage Bushing**, single or double eyebolt or spade terminal made of wet process porcelain.
3. **Tank and Cover**, manufactured from hot-rolled steel sheets and pressure tested to ensure a leak free enclosure. Grit blasted or chemically treated to remove every trace of scale, rust or oil, for better paint adhesion. Outer and inner surfaces are primed with epoxy primer for rust prevention and the outer surface is coated with polyurethane.
4. **Pressure Relief Valve**, gradually releases excess pressure and designed for outdoor condition.
5. **Tank and Low Voltage Grounding Provisions**, provided to help prevent damage to the transformer during electrical surges.
6. **Externally Operated No-Load Tap Changer**, provides up to five (5) primary voltage for convenient changing of high voltage tap connection at no -load.

7. **Radiators**, made of hot-rolled steel sheets these are provided for higher KVA units for added cooling surface.
8. **Core Coil Assembly**, uses a superior transformer insulation system and is permanently centered in the tank using a close fitted steel frame. Materials used for our coils, are wither silicon-iron for our Blue and Silver series or Amorphous metal for our gold line.
9. **Winding Material**, distribution transformer uses a combination of standard copper-aluminum or copper-copper winding materials.
10. **Insulating –Di- Electric Fluid**, used are either mineral oil or an environment friendly high fire point fluid.
11. **Coil Support**, used compatible materials to hold the coil in place and restraint it during short circuit-circuit conditions. Core clamps and clamp angles are also used to ensure that the core and windings are effectively secured even during mechanical stresses.

EXECUTION

INSTALLATION

Shall be in accordance with the code and requirements specified herein.

GROUNDING

Ground all exposed non-current-carrying metallic parts of electrical equipment.

WORKMANSHIP

The work throughout shall be executed in the best and most thorough manner under the direction of and at the satisfaction of the Registered Electrical Engineer or Master Electrician, who will interpret the intent meaning of the drawings and specification and shall have the power to reject any work and materials which in his judgment, are not in full accordance therewith.

TESTING OPERATIONS

When the electrical installation is completed, the Contractor shall test the installed electrical materials and equipment in the presence of Registered Electrical Engineer or Master Electrician. The system shall be free from any defects, shorts or grounds. The Contractor at no extra cost shall furnish all necessary instruments and personnel required for the testing.

GUARANTEE

Upon completion and before final acceptance of the work, the Contractor shall furnish the Engineer a written guarantee stating that all works executed are free from defects on materials and workmanship. The guarantee shall be for a period of one year from the date of the final acceptance. Any work that becomes defective during the said period shall be corrected / replaced by the Contractor at his own expense in a manner satisfactory to the Authority.

ITEM 37 : PROJECT BILLBOARD

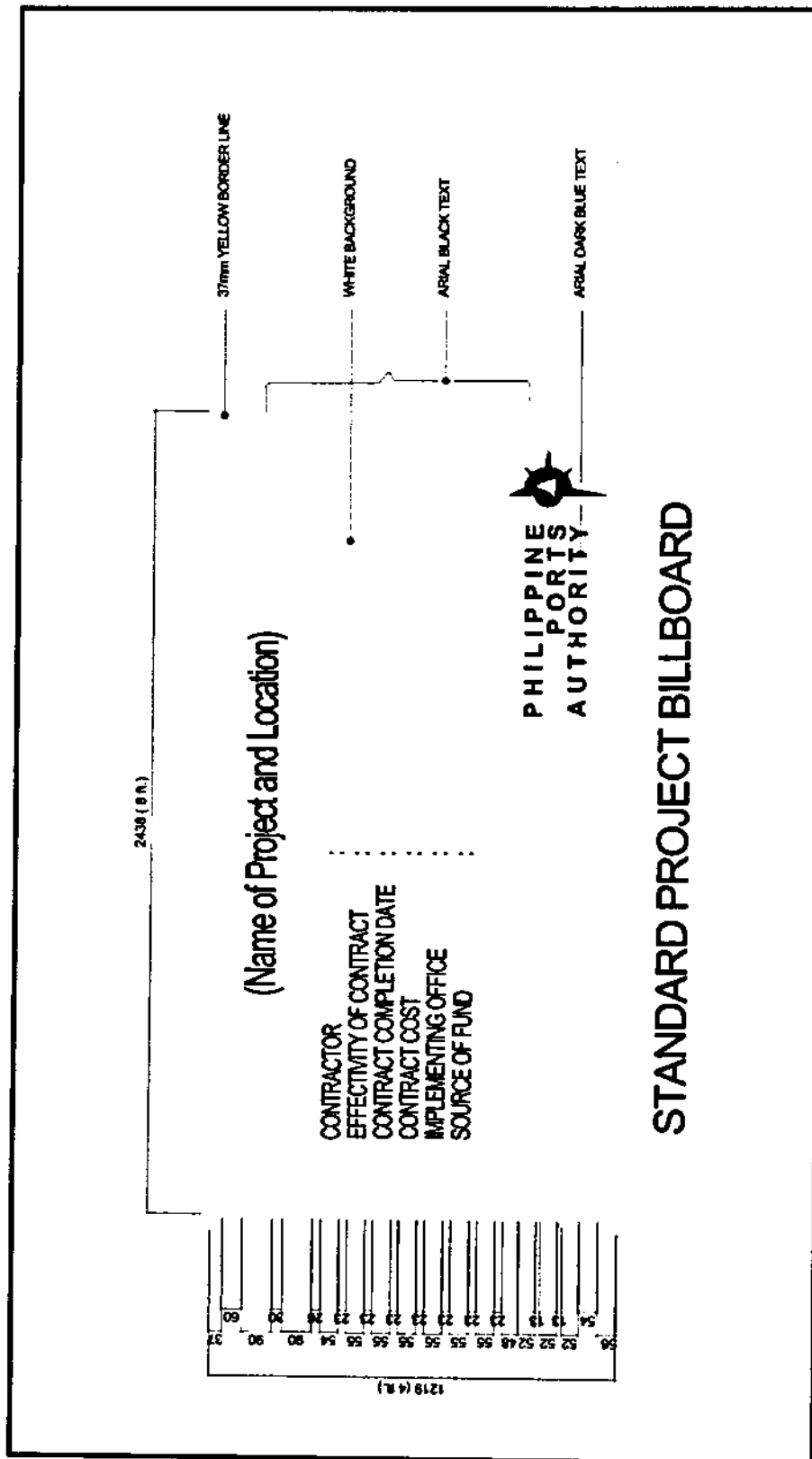
SPECIFICATION

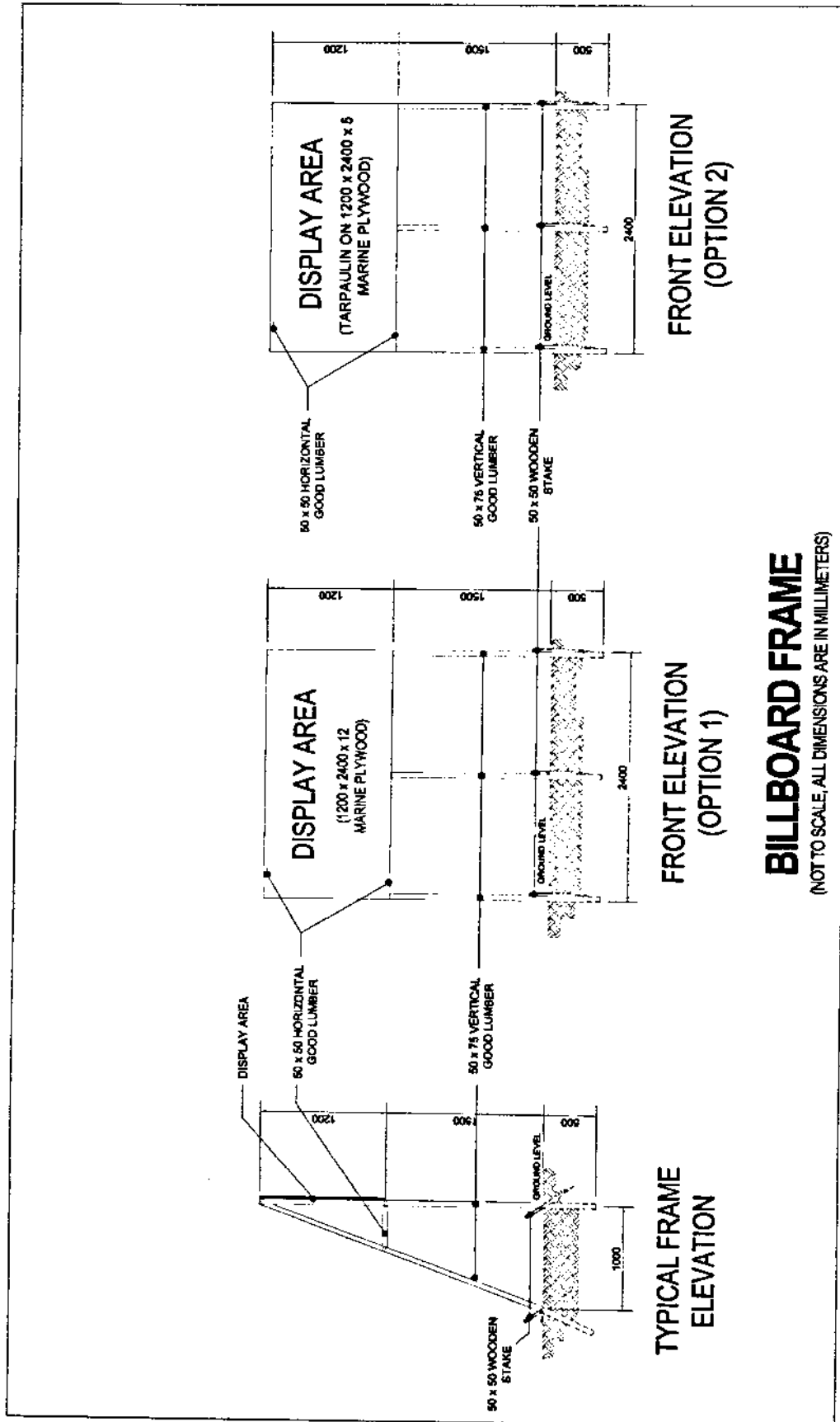
The Project Billboard shall be installed at location(s) designated by the Engineer.

The size and specifications of materials for the standard billboard shall be 4ft. x 8ft. (1,200mm x 2,400mm) using ½ inch (12mm) marine plywood or tarpaulin poster on 3/16 inch (5mm) marine plywood.

Project billboards shall not contain Name(s) and/or picture(s) of any personages.

See attached drawings for further details of the standard billboard.





BILLBOARD FRAME
 (NOT TO SCALE, ALL DIMENSIONS ARE IN MILLIMETERS)

“To all our contractors, suppliers, and
service providers, all we ask is for you to

SPEED UP

your contracts and **FINISH**

AHEAD of schedule,

WITHOUT SACRIFICING

QUALITY

of work, and **REASONABLENESS**
OF COST agreed upon. Gawin niyo
'yan at hindi tayo maghihiwalay ng
landas (Do that and we will not part ways).”

A Message from
DOTr Secretary Arthur Tugade



@DOTrPH



@DOTrPH

www.dotr.gov.ph

ITEM 38 : SAFETY SIGNAGES AND BARRICADES

DESCRIPTION

This work includes the furnishing and installing of safety signages and barricades in accordance with the specifications and to the details shown below in the drawings, or as directed by the Engineer.

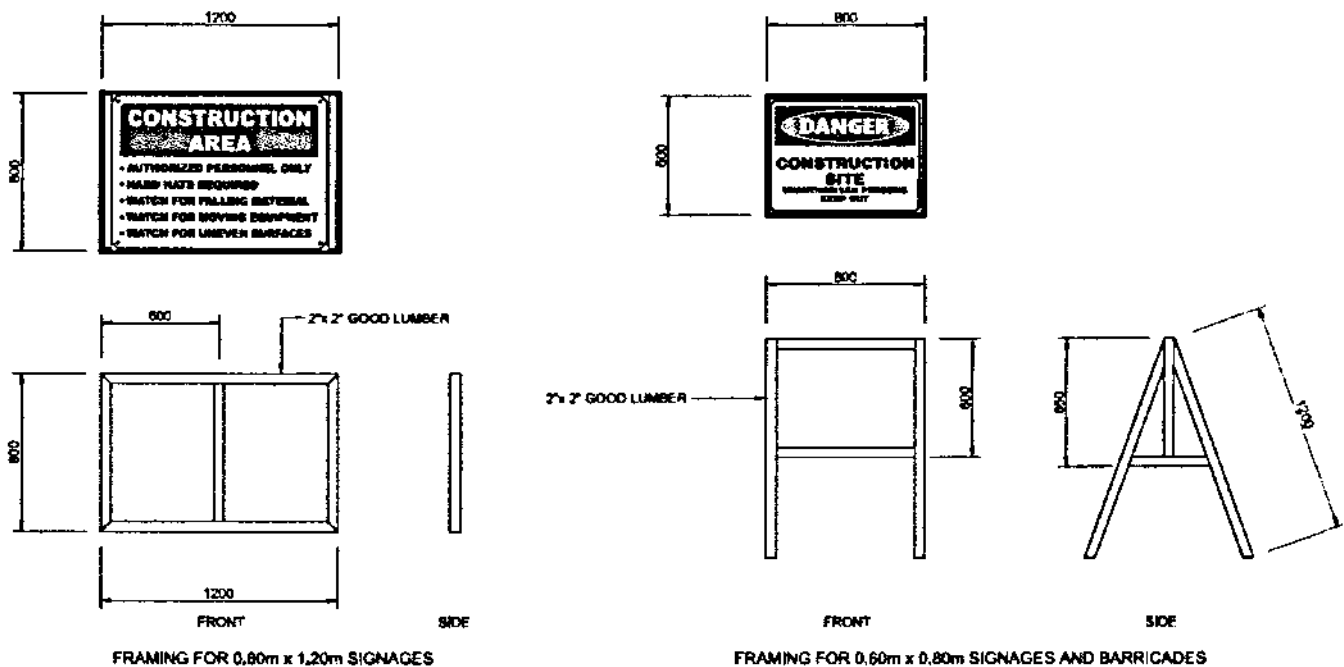
SPECIFICATION

The Signage's and Barricades shall be installed at location(s) designated by the Engineer.

The sizes of the standard signages shall be 2-2/3ft x 4ft (800mm X 1,200mm) for fixed type and 2ft x 2-2/3ft (600mm x 800mm) for mobile type. For barricade standard 2ft x 2-2/3ft (600mm x 800mm) shall be provided.

The materials to be used for signages and barricades are ½ inch (12mm) marine plywood or tarpaulin poster on 2" x 2" (50mm x 50mm) good lumber frame (see drawing below).

The printing or painting shall be the discretion of the Engineer.



STANDARD PLAN FOR SIGNAGES AND BARRICADES

SECTION VII

PROJECT DRAWINGS

SECTION VII

PROJECT DRAWINGS (SEE ISSUED APPROVED PLANS)

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PH-	04	of	04	PUMP HOUSE (LIGHTING & POWER) LAYOUT PLAN, SCHEDULE OF LOAD, RISER DIAGRAM / PANEL BOARD , LEGEND, DETAIL OF DUCT BANK

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 TS-S- 12 of 18 DETAIL OF COLUMN-1/PILE CAP-1 (C-1/PC-1), DETAIL OF COLUMN-2/FOOTING-1 (C-2/F-1)
 TS-S- 13 of 18 INTERIOR WALL FOOTING, EXTERIOR WALL FOOTING, TYP. DETAIL OF STAIRLANDING, TYP. DETAIL OF RETAINING WALL 1, TYP. CONCRETE SLAB ON GRADE DETAIL, DETAIL OF TIE BEAM
 TS-S- 14 of 18 GUSSETS PLATES DETAILS, SPOT DETAIL -1, SPOT DETAIL -2, DETAIL OF TRUSS -1, DETAIL OF TRUSS -2
 TS-S- 15 of 18 ROOF FRAMING PLAN (OFFICE), ROOF FRAMING PLAN (CLOSED STORAGE)
 TS-S- 16 of 18 DETAIL - "A", DETAIL - "A2", DETAIL - "B1", DETAIL - "B2",
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ELECTRICAL

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 TS-E- 02 of 03 LIGHTING LAYOUT PLAN, GENERAL NOTES, LEGEND
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TS-P- 01 of 07 GENERAL NOTES & SPECIFICATIONS, MATERIALS SPECIFICATIONS, SCHEDULE OF PIPE (SEWER LINE), SCHEDULE OF PIPE (WATER LINE), DETAILS OF SEPTIC TANK, INSTALLATION DETAIL OF WATER METER, PIPE TRENCHED BEDDING, TYPICAL SECTION OF CATCH BASIN
 TS-P- 02 of 07 WATER LINE LAYOUT PLAN, WATER LINE ISOMETRIC LAYOUT, LEGENDS AND SYMBOLS
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 TS-P- 07 of 07 SITE DEVELOPMENT PLAN

SECTION VIII

BILL OF QUANTITIES
and
ATTACHMENTS

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
 Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 1	GENERAL EXPENSES				
1.01	Mobilization, demobilization and cleaning	lot	1		
1.02	Rental of temporary site office and residence for the Engineer and staff	mo.	18		
1.03	Maintain temporary site office and residence for the Engineer and staff	mo.	18		
1.04	Provide Construction Safety and Health Program in the execution of the project	mo.	18		
TOTAL FOR BILL NO. 1					

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
 Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	2 REMOVAL WORKS				
2.01	Removal of existing drainage including disposal	l.m.	76		
2.02	Removal of existing concrete pavement including disposal	sq.m.	2,159		
2.03	Scrape and compact existing gravel base materials	sq.m.	2,159		
2.04	Removal of existing building structures including disposal	lot	1		
2.05	Removal of existing fence including disposal	l.m.	53		
2.06	Removal of existing light post and turn-over to authority	no.	1		
2.07	Removal of existing high mast tower and turn-over to authority	no.	1		
TOTAL FOR BILL NO. 2					

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 3	PORT OPERATIONS BUILDING				
3.01	Excavation and backfilling works for pile cap, tie-beam, catch basin, septic vault, catch basin, concrete pipe and manhole	cu.m.	480		
3.02	Supply and deliver to site 400mm x 400mm PSC Piles	l.m.	1,704		
3.03	Handle, pitch and drive 400mm x 400mm Vertical PSC Piles	l.m.	1,704		
3.04	Cut/chip and dispose newly driven PSC Piles up to required elevation	no.	71		
3.05	Subgrade preparation	sq.m.	1,863		
3.06	Supply and apply soil treatment	sq.m.	1,351		
3.07	Supply, place and compact gravel bedding for building foundation, septic vault, catch basin & manhole	cu.m.	168		
3.08	Supply and place lean concrete for pile caps	cu.m.	7		
3.09	Supply & place 4,000 psi. concrete for pile caps, columns, shear wall, beams, slabs stairs and canopies	cu.m.	770		
3.10	Supply & install steel reinforcement for pile caps, columns, shear wall beams, slabs stairs and canopies	kg.	178,835		
3.11	Construct 4,000 psi. concrete slab and ramp on-fill including reinforcement	sq.m.	1,092		
3.12	Construct 100mm thick CHB wall including reinforcement	sq.m.	698		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.13	Construct 150mm thick CHB wall including reinforcement	sq.m.	1,412		
3.14	Supply and install dry wall partition	sq.m	306		
3.15	Supply and install 50mm x 10mm thk. Stair Nosing (Rigid Type)	l.m.	145		
3.16	Supply and place 13mm thick cement Plaster finish (2,500 psi concrete)	sq.m.	4,817		
3.17	Supply and apply paint for concrete and dry-wall surfaces (2-coats)	sq.m.	6,502		
3.18	Supply and apply paint for metal surfaces (2-coats)	sq.m.	120		
3.19	Supply and apply water proofing for toilets, footbaths, stair wells, roof deck and canopies	sq.m.	1,471		
3.20	Supply and install Aluminum Composite Panels and accessories	sq.m.	209		
3.21	Supply and install 0.60m x 0.60m Unglazed Ceramic Floor Tiles (F1)	sq.m.	1,994		
3.22	Supply and install 0.60m x 0.60m Non-slip Floor Tiles (F2)	sq.m.	343		
3.23	Supply and place Non-skid / Rough Cement Floor Finish (F3)	sq.m.	224		
3.24	Supply and install tactile strip for ramp	sq.m.	1		
3.25	Supply and install 0.30m x 0.60m Ceramic Wall Tiles	sq.m.	435		
3.26	Supply and install Granite tile splash board and countertop	sq.m.	21		
3.27	Supply and install Aluminum Clip-in Perforated Panel including accessories	sq.m.	921		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
 Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
	(1.20 x 0.60 x 0.07m) (C1)				
3.28	Supply and install Aluminum Clip-in Perforated Panel including accessories (0.60 x 0.60 x 0.07m) (C2)	sq.m.	110		
3.29	Supply and install pre-painted steel deck (0.80mm thk x 250mm) ceiling (C3)	sq.m.	112		
3.30	Supply and install 13mm thk. Gypsum board on 0.40mm thk galvanized steel ceiling suspension system at 0.40m O.C. (furring carrying channel) and suspension rod (C4)	sq.m.	1,088		
3.31	Supply and install tubular stainless steel and aluminum materials, buffed finish of various sizes including accessories	lot	1		
3.32	Supply and install tubular steel signage framing including accessories	lot	1		
3.33	Supply and install fabricated materials for PPA logo and welcome signage	set	1		
3.34	Supply and install fabricated 1.5 mm thk. Aluminum Framed Doors and Windows including glass and accessories	lot	1		
3.35	Supply and install fabricated Cold rolled steel emergency exit Doors with panic bar lock including jumbs and accessories	set	4		
3.36	Supply and Install fabricated Marine Plywood Finish Flush Doors door jambs, hinges and locksets	lot	1		
3.37	Supply and install fabricated PVC Doors including door jambs hinges and locksets	lot	1		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.38	Supply, fabricate and install Phenolic anti-bacterial water proof Toilet partition 20mm thk, Including stainless hinges, lock indicators, bottom support door knobs and coat hooks	lot	1		
3.39	Supply and install Toilet Fixtures and accessories	lot	1		
3.40	Supply and install water line pipes and fittings including accessories.	lot	1		
3.41	Supply and install sewerage pipes and fittings including accessories.	lot	1		
3.42	Supply and install drainage pipes and fittings including accessories	lot	1		
3.43	Construct septic vault including fittings and accessories	no.	1		
3.44	Construct catch basin including accessories	no.	19		
3.45	Construct manhole including accessories	no.	7		
3.46	Construct drainage canal including accessories	I.m.	115		
3.47	Supply, deliver and install wires and cables of various sizes	lot	1		
3.48	Supply, deliver and install conduit pipe including fittings of various sizes	lot	1		
3.49	Supply, deliver and install wiring devices	lot	1		
3.50	Supply, deliver and install protective devices	lot	1		
3.51	Supply, deliver and install lighting fixtures	lot	1		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.52	Supply, deliver and install lightning protection and accessories	lot	1		
3.53	Supply, deliver and install auxiliary system: a) Closed Circuit Television (CCTV) b) Community Antenna Television (CATV) c) Background Music / Paging Alarm (BGM/PA) d) Fire Detection Alarm System (FDAS) e) Telephone System	lot	1		
		lot	1		
		lot	1		
		lot	1		
		lot	1		
		lot	1		
3.54	Supply, deliver and install airconditioning unit	lot	1		
3.55	Supply, delivery, installation and commissioning of distribution transformer 50kva (3 phase or 3 units 50 kva) including wood poles, hanger, distribution wires, metering and other incidental expenses.	lot	1		
3.56	Supply, deliver and install Port Lighting System	lot	1		
3.57	Construct Pumphouse including apurtenances	lot	1		
3.58	Supply, spread and compact gravel base course	cu.m.	102		
3.59	Construct portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant	sq.m.	512		
3.60	Construct Reinforced Concrete Ductbank and Lamp post foundation	lot	1		
3.61	Supply, deliver and install office furnitures, Gang-chairs and modular worktop including accessories	lot	1		
TOTAL FOR BILL NO. 1					

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
 Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 4	TRANSIT SHED				
4.01	Excavation and backfilling works for pile cap, wall footing, duct bank, pedestal post, catch basin, septic vault and concrete pipes	cu.m.	213		
4.02	Supply and place selected fill	cu.m.	143		
4.03	Supply and deliver to site 400mm x 400mm PSC Piles	l.m.	528		
4.04	Handle, pitch and drive 400mm x 400mm Vertical PSC Piles	l.m.	528		
4.05	Cut/chip and dispose newly driven PSC Piles up to required elevation	no.	22		
4.06	Subgrade preparation	sq.m.	2,127		
4.07	Supply and apply soil treatment	sq.m.	1,024		
4.08	Supply, place and compact gravel bedding for building foundation, septic vault, catch basin, duct bank and pedestal	cu.m.	116		
4.09	Supply and place lean concrete for pile caps	cu.m.	2		
4.10	Supply & place 4,000 psi. concrete for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall	cu.m.	93		
4.11	Supply & instal steel reinforcement for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall	kg.	13,750		
4.12	Construct 4,000 psi. concrete slab and ramp on-fill including reinforcement	sq.m.	1,456		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.13	Construct 150mm thick CHB wall including reinforcement	sq.m.	939		
4.14	Supply and install steel columns, beams, trusses, rafters, purlins, sag rods, tension rods and other roof framing accessories	lot	1		
4.15	Supply and install roofing materials and accessories	lot	1		
4.16	Supply and install 50mm x 10mm thk. Stair Nosing (Rigid Type)	l.m.	8		
4.17	Supply and place 13mm thick cement Plaster finish (2,500 psi concrete)	sq.m.	1,957		
4.18	Supply and apply paint for concrete surfaces (2-coats)	sq.m.	1,923		
4.19	Supply and apply paint for metal surfaces (2-coats)	sq.m.	27		
4.20	Supply and apply water proofing for toilets	sq.m.	15		
4.21	Supply and install 0.60m x 0.60m Unglazed Ceramic Floor Tiles (F1)	sq.m.	69		
4.22	Supply and install 0.60m x 0.60m Non-slip Floor Tiles (F2)	sq.m.	4		
4.23	Supply and apply power floor epoxy paint (2-coats)	sq.m.	864		
4.24	Supply and place Non-skid / Rough Cement Floor Finish	sq.m.	55		
4.25	Supply and install 0.30m x 0.60m Ceramic Wall Tiles	sq.m.	17		
4.26	Supply and install Granite countertop	sq.m.	2		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.27	Supply and install Aluminum Clip-in Perforated Panel including accessories (1.20 x 0.60 x 0.07m) (CF-1)	sq.m.	68		
4.28	Supply and install gypsum board ceiling including framings and accessories	sq.m.	94		
4.29	Supply, fabricate and install cyclone wire with G.I. pipe framings including D4 and accessories and painting	lot	1		
4.30	Supply and install Roll-up door, Accordion Doors, 1.5 mm thk. Aluminum Framed Doors and Windows including glass and accessories	lot	1		
4.31	Supply and install fabricated marine flush doors including door jambs, hinges and locksets	lot	1		
4.32	Supply and install Toilet Fixtures and accessories	lot	1		
4.33	Supply and install water line pipes and fittings including accessories.	lot	1		
4.34	Supply and install sewerage pipes and fittings including accessories.	lot	1		
4.35	Supply and install drainage pipes and fittings including accessories	lot	1		
4.36	Construct septic vault including fittings and accessories	no.	1		
4.37	Construct manhole including fittings and accessories	no.	6		
4.38	Construct catch basin including accessories	no.	12		
4.39	Construct drainage canal including accessories	l.m.	74		

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
4.40	Supply, deliver and install electrical works	lot	1		
4.41	Supply, spread and compact gravel base course	cu.m.	221		
4.42	Construct portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant	sq.m.	1,103		
4.43	Construct Reinforced Concrete Ductbank & Pedestal post	lot	1		
4.44	Supply and install fabricated materials for PPA logo and welcome signage	set	1		
4.45	Supply, deliver and install office furnitures	lot	1		
TOTAL FOR BILL NO. 4					

BILL OF QUANTITIES
CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
Port of Masbate, Masbate City

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 6	REIMBURSABLE ITEMS				
5.01	Provide reimbursable items necessary in the implementation of the project as determined by the Authority	lot	1	2,945,385.05	2,945,385.05
TOTAL FOR BILL NO. 6					2,945,385.05

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 for temporary 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 at least 48.00 m²

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 WORKS

Item 2.01 Removal of existing drainage including disposal

The quantity to be paid for shall be the actual length in linear meter of existing drainage to be removed including disposal of debris 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 Removal of existing concrete pavement including disposal

The quantity to be paid for shall be the actual area in square meter of concrete pavement to be removed including disposal of debris 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 Scrape and compact existing gravel base materials

The quantity to be paid for shall be the actual area in square meter of existing gravel base materials to be scraped 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 2.04 Removal of existing building structures including disposal

The quantity to be paid for shall be the actual quantity in lot of existing building structures to be removed including disposal of debris 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 Removal of existing drainage including disposal

The quantity to be paid for shall be the actual length in linear meter of existing drainage to be removed including disposal of debris 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 Removal of existing light post and turnover to authority

The quantity to be paid for shall be the actual number of existing light post to be removed and turned-over 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 2.07 Removal of existing high mast tower and turnover to authority

The quantity to be paid for shall be the actual number of existing high mast tower to be removed and turned-over 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.

BILL NO. 3

PORT OPERATIONS BUILDING

Item 3.01 Excavation and backfilling works for pile cap, tie-beam, catch basin, septic vault, concrete pipes and manhole

The quantity to be paid for shall be the actual volume in cubic meter of existing fill materials pile cap, tie-beam, catch basin, septic vault, concrete pipes and manhole to be excavated and backfilled 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 deliver to site 400mm x 400mm PSC piles

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mm PSC piles, supplied and delivered to site in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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.

Item 3.03 Handle, pitch and drive 400mm x 400mm vertical PSC piles

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mm vertical PSC piles to be handled, pitched and driven in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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.

Item 3.04 Cut/chip and dispose newly driven PSC Piles up to required elevation

The quantity to be paid for shall be the actual number of newly driven concrete PSC piles, chipped-off to cut-off elevation including disposal of debris in accordance with the plans and specifications and disposal of debris at the designated area 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 Subgrade preparation

The quantity to be paid for shall be the actual area in square meter of subgrade preparation 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 apply soil treatment

The quantity to be paid for shall be the actual area in square meter of soil treatment, supplied and applied 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 Supply, place and compact gravel bedding for building foundation, septic vault, septic vault, catch basin and manhole

The quantity to be paid for shall be the actual volume in cubic meter of gravel bedding for building foundation, septic vault, septic vault, catch basin and manhole to be supplied, set-in-place 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 3.08 Supply and place lean concrete for pile caps

The quantity to be paid for shall be the actual volume in cubic meter of lean concrete for pile caps to be supplied, set-in-place and finished 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 Supply and place 4,000 psi concrete for pile caps, columns, shear wall, beams, slabs, stairs and canopies

The quantity to be paid for shall be the actual volume in cubic meter of 4,000 psi concrete for pile caps, columns, shear wall, beams, slabs, stairs and canopies to be supplied and set-in-place 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 install steel reinforcement for pile caps, columns, shear wall, beams, slabs, stairs and canopies

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars for pile caps, columns, shear wall, beams, slabs, stairs and canopies 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 3.11 Construct 4,000 psi. concrete slab and ramp on-fill including reinforcement

The quantity to be paid for shall be the actual area in square meter of 4,000 psi. concrete slab and ramp on-fill including reinforcement, 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 3.12 Construct 100mm thick CHB wall including reinforcement

The quantity to be paid for shall be the actual area in square meter of 100mm thick CHB wall including reinforcement, 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 3.13 Construct 150mm thick CHB wall including reinforcement

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall including reinforcement, 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.

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Item 3.14 Supply and install dry wall partition

The quantity to be paid for shall be the actual area in square meter of dry wall partition 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 3.15 Supply and install 50mm x 10mm thk. Stair nosing (Rigid Type)

The quantity to be paid for shall be the actual length in linear meter of 50mm x 10mm thk. Stair nosing (Rigid Type), 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 3.16 Supply and place 13mm thick cement plaster finish (2,500 psi concrete)

The quantity to be paid for shall be the actual area in square meter of 13mm thk. cement plaster finish (2,500 psi concrete), supplied and set-in-place 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 apply paint for concrete and dry-wall surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for concrete and dry-wall surfaces (2-coats), supplied and applied 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 apply paint for metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint (2-coats) for metal surfaces, supplied and applied 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 apply water proofing for toilets, footbaths, stair wells, roof deck and canopies

The quantity to be paid for shall be the actual area in square meter of water proofing for toilets, footbaths, stair wells, roof deck and canopies, supplied and applied 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 3.20 Supply and install aluminum composite panels and accessories

The quantity to be paid for shall be the actual area in square meter of aluminum composite panels and accessories, 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 3.21 Supply and install 0.60m x 0.60m unglazed ceramic floor tiles (F1)

The quantity to be paid for shall be the actual area in square meter of unglazed ceramic floor tiles (0.60m x 0.60m), 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 0.60m x 0.60m non-slip floor tiles (F2)

The quantity to be paid for shall be the actual area in square meter of non-slip floor tiles (0.60m x 0.60m), 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 non-skid / rough cement floor finish (F3)

The quantity to be paid for shall be the actual area in square meter of non-skid / rough cement floor finish, supplied and set-in-place 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 3.24 Supply and install tactile strip for ramp

The quantity to be paid for shall be the actual area in square meter of tactile strip for ramp, 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 3.25 Supply and install 0.30m x 0.60m ceramic wall tiles

The quantity to be paid for shall be the actual area in square meter of ceramic wall tiles (0.30m x 0.60m), 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 3.26 Supply and install granite tile splash board and countertop

The quantity to be paid for shall be the actual area in square meter of granite tile splash board and countertop, 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 3.27 Supply and install aluminum clip-in perforated panel including accessories (1.20x0.60x0.07m) (C1)

The quantity to be paid for shall be the actual area in square meter of aluminum clip-in perforated panel including accessories, 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 3.28 Supply and install aluminum clip-in perforated panel including accessories (0.60x0.60x0.07m) (C2)

The quantity to be paid for shall be the actual area in square meter of aluminum clip-in perforated panel including accessories, 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 3.29 Supply and install pre-painted steel deck (0.80mm thk x 250mm) (C3)

The quantity to be paid for shall be the actual area in square meter of pre-painted steel deck, 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 3.30 Supply and install 13mm thk. Gypsum board on 0.40mm thk galvanized steel ceiling suspension system at 0.40m O.C. (furring carrying channel) and suspension rod (C4)

The quantity to be paid for shall be the actual quantity of 13mm thk. Gypsum board on 0.40mm thk galvanized steel ceiling suspension system at 0.40m O.C. (furring carrying channel) and suspension rod (C4), 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 3.31 Supply and install tubular stainless steel and aluminum materials, buffed finish of various sizes including accessories

The quantity to be paid for shall be the actual quantity of tubular stainless steel and aluminum materials, buffed finish of various sizes including accessories, 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 3.32 Supply and install tubular steel signage framing including accessories

The quantity to be paid for shall be the actual quantity of tubular steel signage framing including accessories, 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 3.32 Supply and install fabricated materials for PPA logo and welcome signage

The quantity to be paid for shall be the actual quantity of fabricated materials for PPA logo and welcome signage, 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 3.34 Supply and install fabricated 1.5 mm thk. aluminum framed doors and windows including glass and accessories

The quantity to be paid for shall be the actual quantity of fabricated 1.5 mm thk. aluminum framed doors and windows including glass and accessories, 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 3.35 Supply and install fabricated Cold rolled steel emergency exit Doors with panic bar lock including jambs and accessories

The quantity to be paid for shall be the actual quantity in set of fabricated Cold rolled steel emergency exit Doors with panic bar lock including jambs and accessories, 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 3.36 Supply and install fabricated Marine Plywood Finish Flush Doors door jambs, hinges and locksets

The quantity to be paid for shall be the actual quantity fabricated Marine Plywood Finish Flush Doors door jambs, hinges and locksets, 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 3.37 Supply and install fabricated PVC Doors including door jambs hinges and locksets

The quantity to be paid for shall be the actual quantity fabricated PVC Doors including door jambs hinges and locksets, 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 3.38 Supply, fabricate and install phenolic anti-bacterial water proof toilet partition 20mm thk., including stainless hinges, lock indicators, bottom support door knobs and coat hooks

The quantity to be paid for shall be the actual quantity of phenolic anti-bacterial water proof toilet partition 20mm thk. including stainless hinges, lock indicators, bottom support door knobs and coat hooks 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 3.39 Supply and install toilet fixtures and accessories

The quantity to be paid for shall be the actual quantity of toilet fixtures and accessories, 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 3.40 Supply and install water line pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of water line pipes and fittings including accessories, 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 3.41 Supply and install sewerage pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of sewerage system including fittings and accessories, 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 3.42 Supply and install drainage pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of drainage pipes and fittings including accessories, 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 3.43 Construct septic vault including fittings and accessories

The quantity to be paid for shall be the actual number of septic vault including fittings and accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 3.44 Construct catch basin including accessories

The quantity to be paid for shall be the actual number of catch basin including accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 3.45 Construct manhole including accessories

The quantity to be paid for shall be the actual number of manhole including accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 3.46 Construct drainage canal including accessories

The quantity to be paid for shall be the actual length in linear meter of drainage canal including accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 3.47 Supply, deliver and install wires and cables of various sizes

The quantity to be paid for shall be the actual quantity of wires and cables of various sizes 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 3.48 Supply, deliver and install conduit pipe including fittings of various sizes

The quantity to be paid for shall be the actual quantity of conduit pipe including fittings of various sizes 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 3.49 Supply, deliver and install wiring devices

The quantity to be paid for shall be the actual quantity of wiring devices 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 3.50 Supply, deliver and install protective devices

The quantity to be paid for shall be the actual quantity of protective devices 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 3.51 Supply, deliver and install lighting fixtures

The quantity to be paid for shall be the actual quantity of lighting fixtures 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 3.52 Supply, deliver and install lighting protection and accessories

The quantity to be paid for shall be the actual quantity of lighting protection and 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 3.53 Supply, deliver and install auxiliary system:**
a) **Closed Circuit Television (CCTV)**
b) **Community Antenna Television (CATV)**
c) **Background Music / Paging Alarm (BGM/PA)**
d) **Fire Detection Alarm System (FDAS)**
e) **Telephone System**

The quantity to be paid for shall be the actual quantity of auxiliary system 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 3.54 Supply, deliver and install air conditioning unit**

The quantity to be paid for shall be the actual quantity of air conditioning unit 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 3.55 Supply, delivery, installation and commissioning of distribution transformer 50kva (3 phase or 3 units 50 kva) including wood poles, hanger, distribution wires, metering and other incidental expenses**

The quantity to be paid for shall be the actual quantity of distribution transformer 50kva (3 phase or 3 units 50 kva) including wood poles, hanger, distribution wires, metering and other incidental expenses to be supplied, delivered, installed and commissioned 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 3.56 Supply, deliver and install Port Lighting system**

The quantity to be paid for shall be the actual quantity of port lighting system 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 3.57 Construct Pump house including appurtenances**

The quantity to be paid for shall be the actual quantity of Pump house including appurtenances, 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 3.58 Supply, spread and compact gravel base course**

The quantity to be paid for shall be the actual volume in cubic meter of gravel 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 3.59 Construct portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant

The quantity to be paid for shall be the actual area in square meter of portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant, 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 3.60 Construct Reinforced Concrete Ductbank and lamp post foundation

The quantity to be paid for shall be the actual quantity of reinforced Reinforced Concrete Ductbank and lamp post foundation, constructed in accordance with the plans and specifications and disposal of debris at the designated area 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 3.61 Supply, deliver and install office furnitures, Gang-chairs and modular worktop including accessories

The quantity to be paid for shall be the actual quantity of office furnitures, Gang-chairs and modular worktop 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.

BILL NO. 4

TRANSIT SHED

Item 4.01 Excavation and backfilling works for pile cap, wall footing, duct bank, pedestal post, catch basin, septic vault and concrete pipes

The quantity to be paid for shall be the actual volume in cubic meter of existing fill materials for pile cap, wall footing, duct bank, pedestal post, catch basin, septic vault and concrete pipes to be excavated and backfilled 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 place selected fill

The quantity to be paid for shall be the actual volume in cubic meter of selected fill to be supplied and set-in-place 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 Supply and deliver to site 400mm x 400mm PSC piles

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mm PSC piles, supplied and delivered to site in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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.

Item 4.04 Handle, pitch and drive 400mm x 400mm vertical PSC piles

The quantity to be paid for shall be the actual length in linear meter of 400mm x 400mm vertical PSC piles to be handled, pitched and driven in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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.

Item 4.05 Cut/chip and dispose newly driven PSC Piles up to required elevation

The quantity to be paid for shall be the actual number of newly driven concrete PSC piles, chipped-off to cut-off elevation including disposal of debris in accordance with the plans and specifications and disposal of debris at the designated area 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 Subgrade preparation

The quantity to be paid for shall be the actual area in square meter of subgrade preparation 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 apply soil treatment

The quantity to be paid for shall be the actual area in square meter of soil treatment, supplied and applied 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, place and compact gravel bedding for building foundation, septic vault, catch basin, duct bank and pedestal

The quantity to be paid for shall be the actual volume in cubic meter of gravel bedding for building foundation, septic vault, catch basin, duct bank and pedestal to be supplied, set-in-place 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 4.09 Supply and place lean concrete for pile caps

The quantity to be paid for shall be the actual volume in cubic meter of lean concrete for pile caps to be supplied, set-in-place and finished 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 place 4,000 psi concrete for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall

The quantity to be paid for shall be the actual volume in cubic meter of 4,000 psi concrete for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall to be supplied, set-in-place and finished 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 install steel reinforcement for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall

The quantity to be paid for shall be the actual weight in kilogram of reinforcing steel bars for pile caps, columns, wall footing, beams, slabs, parapet wall, canopy wall and curtain wall, 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 4.12 Construct 4,000 psi. concrete slab and ramp on-fill including reinforcement

The quantity to be paid for shall be the actual area in square meter of 4,000 psi. concrete slab and ramp on-fill including reinforcement, 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 4.13 Construct 150mm thick CHB wall including reinforcement

The quantity to be paid for shall be the actual area in square meter of 150mm thick CHB wall including reinforcement, 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 4.14 Supply and install steel columns, beams, trusses, rafters, purlins, sag rods, tension rods and other roof framing accessories

The quantity to be paid for shall be the actual quantity of steel trusses, rafters, purlins, sag rods and other roof framing accessories, 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 4.15 Supply and install roofing materials and accessories

The quantity to be paid for shall be the actual quantity of roofing materials and 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 4.16 Supply and install 50mm x 10mm thk. stair nosing (Rigid Type)

The quantity to be paid for shall be the actual length in linear meter of stair nosing (50mm x 10mm thk.), 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 4.17 Supply and place 13mm thick cement plaster finish (2,500 psi concrete)

The quantity to be paid for shall be the actual area in square meter of 13mm thk. cement plaster finish (2,500 psi concrete), supplied and set-in-place 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 4.18 Supply and apply paint for concrete surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint for concrete surfaces (2-coats), supplied and applied 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 4.19 Supply and apply paint for metal surfaces (2-coats)

The quantity to be paid for shall be the actual area in square meter of paint (2-coats) for metal surfaces, supplied and applied 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 4.20 Supply and apply water proofing for toilets

The quantity to be paid for shall be the actual area in square meter of water proofing for toilets, supplied and applied 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 4.21 Supply and install 0.60m x 0.60m unglazed ceramic floor tiles (F1)

The quantity to be paid for shall be the actual area in square meter of unglazed ceramic floor tiles (0.60m x 0.60m), 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 4.22 Supply and install 0.60m x 0.60m non-slip floor tiles (F2)

The quantity to be paid for shall be the actual area in square meter of non-slip floor tiles (0.60m x 0.60m), 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 4.23 Supply and apply power floor epoxy paint (2-coats)

The quantity to be paid for shall be the actual area in square meter of power floor epoxy paint (2-coats), 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 4.24 Supply and place non-skid / rough cement floor finish

The quantity to be paid for shall be the actual area in square meter of non-skid / rough cement floor finish, supplied and set-in-place 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 4.25 Supply and install 0.30m x 0.60m ceramic wall tiles

The quantity to be paid for shall be the actual area in square meter of ceramic wall tiles (0.30m x 0.60m), 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 4.26 Supply and install granite countertop

The quantity to be paid for shall be the actual area in square meter of granite countertop, 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 4.27 Supply and install aluminum clip-in perforated panel including accessories (1.2 x 0.60 x 0.07m) (CF-1)

The quantity to be paid for shall be the actual area in square meter of aluminum clip-in perforated panel including accessories (1.2 x 0.60 x 0.07m), 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 4.28 Supply and install gypsum board ceiling including framings and accessories

The quantity to be paid for shall be the actual area in square meter of gypsum board ceiling including framings and accessories, 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 4.29 Supply, fabricate and install cyclone wire with G.I. pipe framings including D7 and accessories and painting

The quantity to be paid for shall be the actual quantity of cyclone wire with G.I. pipe framings including D7 and accessories and painting 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 4.30 Supply and install roll-up door, 1.5mm thk. Aluminum Framed Doors and Windows including glass and accessories

The quantity to be paid for shall be the actual quantity of roll-up door, 1.5mm thk. Aluminum Framed Doors and Windows including glass and accessories, 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 4.31 Supply and install fabricated marine flush doors including door jambs, hinges and locksets

The quantity to be paid for shall be the actual quantity of fabricated marine flush doors including door jambs, hinges and locksets, 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 4.32 Supply and install toilet fixtures and accessories

The quantity to be paid for shall be the actual quantity of toilet fixtures and accessories, 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 4.33 Supply and install water line pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of water line pipes and fittings including accessories, 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 4.34 Supply and install sewerage pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of sewerage system including fittings and accessories, 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 4.35 Supply and install drainage pipes and fittings including accessories

The quantity to be paid for shall be the actual quantity of drainage pipes and fittings including accessories, 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 4.36 Construct septic vault including fittings and accessories

The quantity to be paid for shall be the actual number of septic vault including fittings and accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 4.37 Construct manhole including fittings and accessories

The quantity to be paid for shall be the actual number of manhole including fittings and accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 4.38 Construct catch basin including accessories

The quantity to be paid for shall be the actual number of catch basin including accessories, constructed in accordance with the plans and specifications, measured from the tip of piles to cut-off elevation 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 4.39 Construct drainage canal including accessories

The quantity to be paid for shall be the actual length in linear meter of drainage canal including 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 4.40 Supply, deliver and install electrical works

The quantity to be paid for shall be the actual quantity of electrical works 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 4.41 Supply, spread and compact gravel base course

The quantity to be paid for shall be the actual volume in cubic meter of gravel 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 4.42 Construct portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant

The quantity to be paid for shall be the actual area in square meter of portland cement concrete pavement (300mm thk.) including reinforcement and asphalt sealant, 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 4.43 Construct Reinforced Concrete Ductbank and pedestal post

The quantity to be paid for shall be the actual quantity of reinforced concrete ductbank and handhole, constructed in accordance with the plans and specifications and disposal of debris at the designated area 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 4.44 Supply and install fabricated materials for PPA logo and welcome signage

The quantity to be paid for shall be the actual quantity of fabricated materials for PPA logo and welcome signage, 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 4.45 Supply, deliver and install office furnitures

The quantity to be paid for shall be the actual quantity of office furnitures 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.

BILL NO. 5

REIMBURSABLE ITEMS

Item 5.01 Provide reimbursable items necessary in the implementation of the project as determined by the authority

The quantity to be paid for shall be the actual quantity of reimbursable items necessary in the implementation of the project as determined by the authority to be provided in accordance with the specifications and accepted by the Authority. Payment for this item shall be made only upon complete delivery/acceptance of all the listed equipment in (annex 2.a – Reimbursable items) of the bid documents. The contract lump sum price shall be full compensation for providing all the reimbursable items. The Contractor's Profit and Overhead, Contingencies and Miscellaneous (OCM) should not be included in the cost of reimbursable items. The amount of bid should not exceed the maximum amount stated in the Bid Data Sheet [ITB Clause 13.1(a)]. Claims for payment shall be supported by Official Receipt(s) (OR). The amount to be paid for shall be the price indicated in the OR but should not exceed the contract lump sum price.

FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF

TEMPORARY FACILITIES OF THE CONTRACTOR

The Contractor shall provide and maintain such temporary offices, stores, workshops, latrines, housing and messing accommodations as are necessary. The location, dimension and layout of such buildings and places shall be subject to the approval in writing of the Engineer. By the end of the contract, the Contractor shall remove all buildings and the area shall be cleared and graded as required by the Engineer.

SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF

The Contractor shall provide (Rental) and maintain a temporary site office and residence with an area of at least 48 square meters for use of the Engineer and staff, including all the necessary electricity, water, communication services and consumables.

MINIMUM EQUIPMENT REQUIREMENTS

1	unit	Crawler Crane (30T, minimum), owned/leased
1	unit	Crawler Crane (20T, minimum), owned/leased
1	unit	Pile Hammer (Diesel, 7,500 kg.m.), owned/leased
1	unit	Drop Hammer (2T, minimum), owned
1	unit	Concrete cutter, owned
1	unit	Concrete bucket, owned
1	unit	Concrete Mixer (1 bagger, minimum), owned
2	units	Concrete Vibrator (3.5 hp, minimum), owned
2	units	Bar Cutter (electric, 25mm dia min.), owned
2	units	Bar Bender (electric, 25mm dia min.), owned
1	unit	Dump Truck (8 cu.m., minimum), owned
1	unit	Water Truck with pump (1,000 gal., minimum), owned
2	units	Chipping Hammer, owned
2	units	Jackhammer, owned/leased
1	unit	Air Compressor (250 cfm, minimum), owned/leased
1	unit	Plate Compactor (5 hp, minimum), owned
1	unit	Welding Machine (400 amp., minimum), owned
1	unit	Oxy/Acetylene cutting outfit, owned
1	unit	Road Roller (10T, vibratory, minimum), owned/leased
1	unit	Road Grader (125 hp, minimum), owned/leased
1	unit	Payloader (80 hp, minimum), owned/leased
1	unit	Backhoe (0.40 cu.m., 94.30hp, minimum), owned/leased
1	unit	Concrete Screeder, owned/leased
2	units	Transit Mixer (5-6 cu.m. cap., minimum), owned/leased
1	unit	Cargo Truck (5T, minimum) , owned

CONSTRUCTION SAFETY AND HEALTH REQUIREMENTS

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

- | | | |
|----|-------|--------------|
| 85 | pcs. | Hard Hats |
| 85 | pairs | Gloves |
| 13 | pcs. | Goggles |
| 4 | pcs. | Aprons |
| 4 | pc. | Safety Belts |
| 85 | pairs | Safety Shoes |
| 4 | pc. | Life Lines |

Safety Devices

- | | | |
|---|-------|-------------------|
| 1 | lot | Barricades |
| 1 | lot | Warning signs |
| 2 | units | Fire extinguisher |

Medical and First Aid System - For eighteen (18) mos.

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

<i>Materials/Items of Work</i>	<i>Required Tests</i>	<i>Minimum Incremental Frequency of Tests</i>
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	Mil 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

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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) <ul style="list-style-type: none"> - Under 14" (355 60mm) Outside Diameter - 14" to 36" (355 6 to 914mm) Outside Dia - Over 36" (914mm) Outside Diameter Mechanical/Tensile	2 from 200 pipe or fraction thereof 2 from 100 pipe or fraction thereof 2 from 3000ft (914m) or fraction thereof 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 Performance Test for Energy Absorption and Reaction Force	All units All units
Accessories		
Washer and Fixing Bolt, Anchor Bolt	Physical Test Quality Test for Chemical Composition and Mechanical Properties	All units One per fabrication

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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 Quality Test for Chemical Composition and Mechanical Properties	All Units One per fabrication
II. Construction of Back-Up Area, Causeway and Pavement Sheet Piling (SP)		
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 Coarse 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)

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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 MHI Certificate	One per batch 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 Laboratory California Bearing Ratio (CBR) Field Density Test	For every 1,500 cubic meter or fraction thereof For every 2,500 cubic meter or fraction thereof 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 Quality Test for Grading, Plasticity, Abrasion and Laboratory Compaction Test Laboratory California Bearing Ratio (CBR) Field Density Test	For every 300 cubic meter or fraction thereof For every 1,500 cubic meter or fraction thereof Same frequency as Selected Fill 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

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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) Flexural Test	Same frequency as SC (F) 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)

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

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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 Plasticity Test (LL, PL, PI) Laboratory Compaction Test Density Test	For every 1,500 cubic meter or fraction thereof 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 Grading Test Plasticity Test (LL, PL, PI) Laboratory Compaction Test Density Test	For every 1,500 cubic meter or fraction thereof 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

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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 Testing and Commissioning	One per shipment
Electrical Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Fire Alarm System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Wiring Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment

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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Protective Devices	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per shipment
Telephone System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CCTV System	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
CATV System	Inspection and Evaluation Report from the Engineer 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 Testing and Commissioning	One per item
Conduit Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Lighting Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
PLUMBING WORKS		
Pipes	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item

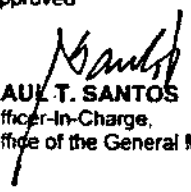
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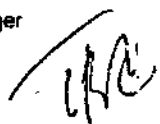
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Materials/Items of Work	Required Tests	Minimum Incremental Frequency of Tests
Fixtures	Inspection and Evaluation Report from the Engineer Testing and Commissioning	One per item
Pipe Culverts	Compression Strength Inspection and Evaluation Report from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

Bid Form

Date: _____

ITB No: _____

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

We, the undersigned, declare that:

- (a) We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract **Construction of Port Operations Building and Transit Shed, Port of Masbate, Masbate City**;
- (b) We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

The total price of our Bid, excluding any discounts offered below is:

BILL NO	DESCRIPTION	TOTAL AMOUNT
1	General Expenses	P
2	Removal Works	P
3	Port Operations Building	P
4	Transit Shed	P
5	Reimbursable Items	P
	TOTAL AMOUNT OF BID (including VAT)	P

The discounts offered and the methodology for their application are: insert information;

- (c) Our Bid shall be valid for a period of 120 days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of insert percentage amount percent of the Contract Price for the due performance of the Contract;

- (e) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: *[insert information]*;
- (f) 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;
- (g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;
- (h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- (i) We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- (j) 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 **Construction of Port Operations Building and Transit Shed, Port of Masbate, Masbate City of the Philippine Ports Authority.**
- (k) 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: _____

In the capacity of: _____

Signed: _____

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

Date: _____

**STATEMENT OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS,
INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED, WHETHER SIMILAR OR NOT SIMILAR IN NATURE**

Name of the Contract or Title Of the Project 1]	Owner's Name and Address	Nature/ Scope of Work 2]	Contractor's Role (in percentage) 3]	Total Contract Value At			Date of Award 5]	Value of Outstanding Works	Estimated Time of Completion	% of Accomplishment		Contract Duration 5]	
				Award	Project Completion	Escalated Value to Present Prices 4]				Planned	Actual	Start	Completed
A) Government Contracts i. On-going ii. Awarded but not yet started B) Private Contracts i. On-going ii. Awarded but not yet started													

NOTE :

- 1] As appearing or defined in the contract entered/executed by the parties
- 2] With special reference to the Scope of Works as described/enumerated in the advertised Invitation To Bid.
- 3] Indicate 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. Specify the "Escalation Factor" used to escalate the Contract Value from completion date to the advertisement date of the Invitation to Bid per section 23.11.2 (3) of R.A. 9184.
- 5] State Month and Year.

This Statement shall be supported by:

- a) Notice of Award and/or Contract
- b) Notice to Proceed

Name of Firm/Applicant

Authorized Signing Official

Date

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

Name of the Contract or Title Of the Project	Owner's Name and Address	Nature/Scope of Work	Contractor's Role and Percentage Of Participation	Total Contract Value At		Date of Award	Value of Outstanding Works	Contract Duration	
				Award	Completion			Start	Completed

NOTE :

1. The prospective bidder must have completed an SLCC that is similar to the contract to be bid, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid.
2. This Statement shall be supported by:
 - a. Notice of Award and / or Notice to Proceed.
 - b. Project Owner's Certificate of Final acceptance issued by the owner other than the Contractor or Constructors Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory.

Name of Firm/Applicant

Authorized Signing Official

Date

EXPERIENCE RECORD ON SIMILARLY COMPLETED PROJECTS

Similar Major Operations of Work 1)	Unit of Measure	Quantity	Title of the Project				Unit of Measure	Quantity
			Title of the Project	Title of the Project	Title of the Project	Title of the Project		
1. PSC Pile Driving Works	l.m.	1,116						
2. Reinforced Concrete Works	cu.m.	686						
3. Installation of Structural Steel	m.t.	74						
4. Construction of Portland Cement Concrete Pavement	sq.m.	808						

NOTE: 1] Submit the Certificate of Completion/Certificate of Acceptance by the project owner, Final Recapitulation/Bill of Quantities and/or Constructor Performance Evaluation System (CPES) ratings, 1st, 2nd & Final visit (if applicable). Projects with no Certificate of Completion/Acceptance and Recapitulation/Bill of Quantities shall not be considered.

2] The Owner's Certificate of Final Acceptance, or the Constructors Performance Evaluation Summary (CPES) Final Rating and/or the Certificate of Completion, must be satisfactory.

Name of Firm/Applicant

Authorized Signing Official

Date

(Revised Form : September 2012)

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.

LIST OF CONTRACTOR'S PERSONNEL

I hereby declare that the following key personnel enumerated below, with attached resume/bio-data, including valid PRC License, for the various positions / functions, are available for the project applied for:

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

NOTE: 1. Minimum qualification requirements: (work experience is similar in nature and complexity to the project to be bid with regard to Registration Particulars of the Contractor's License)

Project Manager - Five (5) years	Materials Engineer - One (1) year
Project Engineer - Three (3) years	Materials Engineer I - for projects costing up to 100M
Foreman - Five (5) years	Materials Engineer II - for projects costing more than 100M

Name of Firm/Applicant

Authorized Signing Official

Date

REVISED FORM (September 2012)

LIST OF CONTRACTOR'S EQUIPMENT UNITS

I hereby declare that the following equipment listed below which are owned, leased or under purchase agreement are in good operating condition and are available for the duration of the project:

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

1] Indicate if owned or leased as listed in the Checklist/Bidding Documents. For owned equipment, as required, submit proof of ownership (i.e. deed of sale, sales invoice, official receipt). For 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. For newly purchased barge/tugboat, submit Deed of Sale together with an application for Marina Certificate of Ownership duly received/authenticated by Marina with corresponding valid Cargo Ship Safety Certificate. For leased equipment, submit duly notarized copy of lease contract together with a copy of the Marina Owner's (Lessor's) Certificate and valid Cargo Ship Safety Certificate.

2] The unit of each equipment shall be as indicated in the Checklist/Bidding Documents, 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).

Name of Firm/Applicant

Authorized Signing Official

Date

REVISED FORM (January 2011)

OMNIBUS SWORN STATEMENT FOR SOLE PROPRIETORSHIP

REPUBLIC OF THE PHILIPPINES)
CITY OF _____)SS

AFFIDAVIT

I (Name), of legal age, (Civil Status), (Nationality), and residing at (Address), 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 (Name of Bidder) with office address at _____;
2. As the owner and sole proprietor or authorized representative of (Name of Bidder), 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 (Name of Project) of the Philippine Ports Authority, (as shown in the attached duly notarized "Special Power of Attorney" for the authorized representative);
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;
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 Procuring Entity, 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 following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Document:
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental / Bid Bulletin(s) issued for the *Construction of Port Operations Building and Transit Shed, Port of Masbate, Masbate City*.

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.

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

Bidder's Representative / Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ [date issued], [place issued]

IBP No. _____ [date issued], [place issued]

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

OMNIBUS SWORN STATEMENT FOR PARTNERSHIP OR COOPERATIVE

REPUBLIC OF THE PHILIPPINES)
CITY OF _____)SS

AFFIDAVIT

I (Name), of legal age, (Civil Status), (Nationality), and residing at (Address), 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 (Name of Bidder) with office address at (Address);
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 (Name of Project) of the Philippine Ports Authority, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution or Secretary's Certificate (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;
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 PPA General Manager 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 PPA General Manager, 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 following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Document:
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental / Bid Bulletin(s) issued for the *Construction of Port Operations Building and Transit Shed, Port of Masbate, Masbate City*.

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.

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

Bidder's Representative / Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at ____.

Witness my hand and seal this ____ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ [date issued], [place issued]

IBP No. _____ [date issued], [place issued]

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

OMNIBUS SWORN STATEMENT FOR CORPORATION OR JOINT VENTURE

REPUBLIC OF THE PHILIPPINES)
CITY OF _____)SS

AFFIDAVIT

I (Name), of legal age, (Civil Status), (Nationality), and residing at (Address), 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 (Name of Bidder) 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 (Name of Project) of the Philippine Ports Authority, accompanied by the duly notarized Special Power of Attorney, Board Resolution or Secretary's Certificate;
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;
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 PPA General Manager 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 PPA General Manager, 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 or 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 following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Document:
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental / Bid Bulletin(s) issued for the *Construction of Port Operations Building and Transit Shed, Port of Masbate, Masbate City*.

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.

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

Bidder's Representative / Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ [date issued], [place issued]

IBP No. _____ [date issued], [place issued]

Doc. No. _____
Page No. _____
Book No. _____
Series of _____

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

BID-SECURING DECLARATION
Invitation to Bid No. _____

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

I, the undersigned, declare that:

1. I 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 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 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 9184; without prejudice to other legal action the government may undertake:
3. I 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 declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I failed to timely file a request for reconsideration or (ii) I filed a waiver to avail of said right;
 - (c) I am declared as the bidder with the Lowest Calculated Responsive Bid, and I have furnished the performance security and signed the Contract.

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

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

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____
Notary Public for _____ until _____
Roll of Attorneys No. _____
PTR No. ____, *[date issued]*, *[place issued]*
IBP No. ____, *[date issued]*, *[place issued]*
Doc. No. ____
Page No. ____
Book No. ____
Series of _____.

CONSTRUCTION METHODOLOGY

Name of Project : _____
Proposed Project Description : _____
Location : _____

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

The Works consists of:

A. REMOVAL WORKS

1. Removal of existing drainage including disposal (76 l.m.)
2. Removal of existing concrete pavement including disposal (2,159 sq.m.)
3. Scraping and compaction of existing gravel base materials (2,159 sq.m.)
4. Removal of existing building structures including disposal (1 lot)
5. Removal of existing fence including disposal (53 l.m.)
6. Removal of existing light post (1 unit)
7. Removal of existing high mast tower (1 unit)

B. PORT OPERATIONS BUILDING

1. Construction of 2-storey Port Operations Building (3,187.67 sq.m., 500 pax capacity)
2. Supply and driving 400 x 400mm PSC foundation piles (1,704 l.m.)
3. Construction of Pumphouse and appurtenances (14.28 sq.m.)
4. Construction of 300mm thk. Concrete Pavement (512 sq.m.)
5. Supply, delivery and installation of office furnitures, gang chairs, modular worktop and accessories (1 lot)
6. Supply & installation of distribution line transformer (1 lot)

C. TRANSIT SHED

1. Construction of Transit Shed Building (1,100.14 sq.m.)
2. Supply and driving of 400 x 400mm PSC foundation piles (528 l.m.)
3. Construction of 300mm thk. Concrete Pavement (1,103 sq.m.)

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.

Signature
(Authorized Signing Official)

MANPOWER SCHEDULE

Name of Project : _____

Proposed Project Description : _____

Location : _____

MANPOWER (Minimum)	CONTRACT DURATION (_____ Calendar Days)																	
	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
Project Manager																		
Project Engineer																		
Materials Engineer																		
Construction Safety and Health Officer																		
Foreman																		
Specify other applicable positions, ie.:																		
- Carpenter																		
- Steelman																		
- Mason																		
- Electrician																		
- Rigger																		
- Others																		

Signature
(Authorized Signing Official)

EQUIPMENT UTILIZATION SCHEDULE

Name of Project : _____

Proposed Project Description : _____

Location : _____

[illegible]

Signature
(Authorized Signing Official)

CASHFLOW BY QUARTER AND PAYMENT SCHEDULE

Name of Project: : _____

Proposed Project Description : _____

Location : _____

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

Signature
(Authorized Signing Official)

SECTION X

CONTRACT FORM

Republic of the Philippines
PHILIPPINE PORTS AUTHORITY
PPA Building, Bonifacio Drive, South Harbor,
Port Area, Port of Masbate, Masbate City, Philippines

CONTRACT
FOR THE CONSTRUCTION OF PORT OPERATIONS BUILDING AND TRANSIT SHED
PORT OF MASBATE, MASBATE CITY

This Contract made and entered into this _____ day of _____ 2019, in Port of Masbate, Masbate City, Philippines, by and between:

PHILIPPINE PORTS AUTHORITY, a government instrumentality created under Presidential Decree No. 857, as amended, with principal office at PPA Building, Bonifacio Drive, South Harbor, Port Area, Port of Masbate, Masbate City, represented herein by its duly authorized General Manager, **JAY DANIEL R. SANTIAGO**, and hereinafter referred to as "PPA";

- and -

_____, duly organized and existing in accordance with Philippine laws, with office and business address at _____, represented in this act by its _____, as evidenced by _____, a copy of which is hereto attached and made an integral part hereof as Annex "A", and hereinafter referred to as "CONTRACTOR."

WITNESSETH:

WHEREAS, in accordance with Republic Act No. 9184 and its 2016 Implementing Rules and Regulations (IRR), PPA advertised and posted on the PPA website and PhilGEPS, as well as on its bulletin board, an Invitation to Bid for the _____;

WHEREAS, in response to the said advertisement _____ bidders submitted their respective bids for the foregoing project;

WHEREAS, after the opening of bids on _____ and the conduct of bid evaluation and post-qualification, the bid submitted by the CONTRACTOR at its unit and lump sum prices set forth in its proposal was found to be the _____ Bid in the amount of _____ PESOS (), Philippine Currency;

WHEREAS, pursuant to Head Office BAC Resolution No. _____ Series of _____ award of contract was made to the CONTRACTOR in a Notice of Award dated _____, in the amount of _____ PESOS (), after submission of the required documents within the prescribed period and compliance to the conditions stipulated in the IRR;

WHEREAS, the CONTRACTOR duly accepted the award by signing its Conforme on the said Notice of Award;

NOW, THEREFORE, for and in consideration of the foregoing premises and the mutual stipulations herein contained, PPA and the CONTRACTOR have agreed, as follows:

1. In this Contract, words and expressions shall have the same meanings as are respectively assigned to them in the attached Contract Documents.
2. The following documents shall form part of this Contract:
 - A. Bid Documents consisting of the following:
 - A.1 Invitation to Bid;
 - A.2 Instructions to Bidders;
 - A.3 Bid Data Sheet;
 - A.4 General and Special Conditions of Contract;
 - A.5 Specifications
 - A.6 Drawings/Plans;
 - A.7 Addenda and/or Supplemental/Bid Bulletins, if any;
 - B. Technical and Financial Proposals;
 - C. Performance Security;
 - D. Notice of Award of Contract with the Contractor's Conforme thereto; and
 - E. Other contract documents that may be required by existing laws and PPA, such as:
 - E.1 Construction Schedule and S-Curve;
 - E.2 Manpower Schedule;
 - E.3 Construction Methods;
 - E.4 Equipment Utilization Schedule;
 - E.5 Construction Safety and Health Program approved by the DOLE;
 - E.6 Pert/CPM
 - E.7 Duly Approved Program of Works and Cost Estimates;
 - E.8 Certificate of Availability of Funds;
 - E.9 Abstract of Bids; and
 - E.10 Resolution of Award
3. In consideration of the payments to be made by PPA, the CONTRACTOR commits to complete the Works and remedy any defects therein in conformity with the provisions of this Contract and Contract Documents.
4. In consideration of the execution and completion of the Works and remedying any defects therein, PPA commits to pay the Contract Price or such other sum as may become payable under the provisions of this Contract and Contract Documents.

5. This Contract shall become effective after the same shall have been signed by the Parties hereof.

IN WITNESS WHEREOF, the Parties have hereunto signed this Contract on the date and place first hereinabove written.

PHILIPPINE PORTS AUTHORITY

TIN No. _____

By:

JAY DANIEL R. SANTIAGO

General Manager

WITNESSES:

ACKNOWLEDGMENT