



PHILIPPINE
PORTS
AUTHORITY



BAGONG PILIPINAS

SUPPLEMENTAL/BID BULLETIN NO. 1

**APARRI PORT WIDENING AND UPGRADING PROJECT,
PORT OF APARRI, APARRI, CAGAYAN**

**T O : All Prospective Bidders
: Members, HO-BAC-EP
: Others Concerned**

Relative to the Bid Documents posted in the PPA and PhilGEPS websites on 17 October 2024 for the above project, please be informed of the following amendments thereto, as follows:

I. SECTION I: INSTRUCTIONS TO BIDDERS

ITB – 1 - PLEASE SEE ATTACHED DOCUMENT

II. SECTION III: BID DATA SHEET - PLEASE SEE ATTACHED DOCUMENTS

BD1 BID DATA SHEET - CLAUSE 5.2

BD2 BID DATA SHEET - CLAUSE 15.1

III. SECTION VIII: BILL OF QUANTITIES AND ATTACHMENTS - PLEASE SEE ATTACHED DOCUMENTS

BILL OF QUANTITIES - PAGES 1 OF 5

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4 OF 5

5 OF 5

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL


**BOQ AND ATTACHMENTS
(ANNEX 1 – BASIS OF PAYMENTS) - PLEASE SEE ATTACHED DOCUMENTS**

- BQ- 6**
- BQ – 7**
- BQ - 8**
- BQ - 9**
- BQ – 10**
- BQ - 11**
- BQ - 12**
- BQ - 13 (Annex 2 - FACILITIES TO BE PROVIDED)**
- BQ - 14 (Annex 3 - MINIMUM EQUIPMENT REQUIREMENTS)**
- BQ - 15 (Annex 4 - CONSTRUCTION SAFETY & HEALTH REQUIREMENTS)**

IV: BIDDING FORM - PLEASE SEE ATTACHED DOCUMENTS

- STATEMENT OF THE BIDDER'S EXPERIENCE ON MAJOR CATEGORIES OF WORK OF THE SLCC INCLUDING OTHER COMPLETED CONTRACTS SIMILAR TO THE CONTRACT TO BE BID - BIDDING FORM (EXPERIENCE RECORD)**
- CONSTRUCTION METHODOLOGY - BIDDING FORM (CONST. METHODOLOGY)**
- MANPOWER SCHEDULE - BIDDING FORM (MANPOWER SCHEDULE)**
- EQUIPMENT UTILIZATION SCHEDULE – BIDDING FORM (EQUIPMENT SCHEDULE)**

Issued this 22nd day of October 2024


MARK JON S. PALOMAR
Chairperson, HO-BAC-EP

1. Scope of Bid

The Procuring Entity, *Philippine Ports Authority* invites Bids for *Aparri Port Widening and Upgrading Project, Port of Aparri, Aparri, Cagayan* with Project Identification Number *HO-INFRA-PPDD-24-0010*.

The *Aparri Port Widening and Upgrading Project, Port of Aparri, Aparri, Cagayan* is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The *Philippine Ports Authority* through the source of funding as indicated below for *CY2024* in the amount of **₱609,351,481.92**

2.2. The source of funding is:

PPA Corporate Fund.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

Bid Data Sheet

ITB Clause																					
5.2	<p><i>For this purpose, contracts similar to the Project refer to contracts which have the same Major Categories of Works which shall be:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Description/Clarification</th> <th style="text-align: center;">Unit of Measure</th> <th style="text-align: center;">Quantity (at least)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1. Pile driving works (off-shore)</td> <td style="text-align: center;">l.m.</td> <td style="text-align: center;">2,717</td> </tr> <tr> <td style="text-align: center;">2. Reinforced Concrete Works</td> <td style="text-align: center;">cu.m.</td> <td style="text-align: center;">818</td> </tr> <tr> <td style="text-align: center;">3. Rockworks (50-100 kg/pc)</td> <td style="text-align: center;">cu.m.</td> <td style="text-align: center;">6,410</td> </tr> <tr> <td style="text-align: center;">4. Placing of fill materials</td> <td style="text-align: center;">cu.m.</td> <td style="text-align: center;">10,239</td> </tr> </tbody> </table>			Description/Clarification	Unit of Measure	Quantity (at least)	1. Pile driving works (off-shore)	l.m.	2,717	2. Reinforced Concrete Works	cu.m.	818	3. Rockworks (50-100 kg/pc)	cu.m.	6,410	4. Placing of fill materials	cu.m.	10,239			
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7.1	<p><i>Portion of Works allowed to be subcontracted:</i></p> <p>Subcontracting is not allowed</p>	<p><i>Maximum Percentage allowed to be subcontracted:</i></p> <p>Subcontracting is not allowed</p>																			
10.3	<p><i>For Joint Venture:</i></p> <p>Special PCAB License</p>																				
10.4	<p><i>The key personnel must meet the required minimum years of experience set below:</i></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Key Personnel</th> <th style="text-align: center;">General Experience</th> <th style="text-align: center;">Relevant Experience (Minimum)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">a. Project Manager</td> <td></td> <td style="text-align: center;">Five (5) years</td> </tr> <tr> <td style="text-align: center;">b. Project Engineer</td> <td></td> <td style="text-align: center;">Three (3) years</td> </tr> <tr> <td style="text-align: center;">c. Materials Engineer II</td> <td></td> <td style="text-align: center;">One (1) year</td> </tr> <tr> <td style="text-align: center;">d. Construction Safety and Health Officer</td> <td></td> <td style="text-align: center;">One (1) year</td> </tr> <tr> <td style="text-align: center;">e. Foreman</td> <td></td> <td style="text-align: center;">Five (5) years</td> </tr> </tbody> </table>			Key Personnel	General Experience	Relevant Experience (Minimum)	a. Project Manager		Five (5) years	b. Project Engineer		Three (3) years	c. Materials Engineer II		One (1) year	d. Construction Safety and Health Officer		One (1) year	e. Foreman		Five (5) years
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d. Construction Safety and Health Officer		One (1) year																			
e. Foreman		Five (5) years																			
10.5	<p><i>The minimum major equipment requirements are the following:</i></p>																				

	Please refer to Section 8, Annex 3 Minimum Major Equipment Requirements
12	<p><i>Value Engineering Clause:</i></p> <p>Not Allowed</p>
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than ₱12,187,029.64, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than ₱30,467,574.10, if bid security is in Surety Bond.</p>
16	<p>Each bidder shall submit one (1) original and six (6) copies of the Technical and Financial Proposals, properly labelled, book-bound, with hard cover and corresponding index tabs. Failure to comply with the requirements is a ground for the automatic disqualification of the bidder.</p>
19.2	<p>Partial bids:</p> <p>Not Allowed</p>
20	<p><i>Other appropriate licenses and permits required:</i></p> <p>None</p>
21	<p><i>Other contract documents are as follows:</i></p> <p><i>Construction Schedule and S-Curve, Manpower Schedule, Construction Methods, Equipment Utilization Schedule, Construction Safety and Health Program approved by the Department of Labor and Employment and PERT/CPM or other acceptable tools of project scheduling.</i></p>

BILL OF QUANTITIES
APARRI PORT WIDENING AND UPGRADING PROJECT
 Port of Aparri, Aparri, Cagayan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
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.	24		
1.03	Maintain temporary site office and residence for the Engineer and staff	mo.	24		
1.04	Provide Construction Safety and Health Program in the execution of the project	mo.	24		
TOTAL FOR BILL NO. 1					

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

BILL OF QUANTITIES
APARRI PORT WIDENING AND UPGRADING PROJECT
 Port of Aparri, Aparri, Cagayan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO. 2	REMOVAL AND EXCAVATION WORKS				
2.01	Remove and dispose existing pavement	sq.m.	1,998		
2.02	Excavate existing seabed up to required elevation	cu.m.	17,427		
2.03	Excavate and dispose existing fill materials	cu.m.	3,048		
2.04	Scrapping and disposal of existing subgrade materials	cu.m.	118		
TOTAL FOR BILL NO. 2					

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

BILL OF QUANTITIES
APARRI PORT WIDENING AND UPGRADING PROJECT
 Port of Aparri, Aparri, Cagayan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
BILL NO.	3 WIDENING AND UPGRADING OF WHARF				
3.01	Supply and deliver to site 1,000mm dia. tubular steel pipe piles including connectors	m.t.	1,826		
3.02	Supply and place polyurethane external coating for steel pipe pipes	sq.m.	8,536		
3.03	Handle, pitch and drive Steel pipe piles and connectors	l.m.	5,434		
3.04	Supply and install steel waling and splice plate for the steel sheet piles	kg.	15,406		
3.05	Extraction of clogged and unsuitable materials inside the steel pipe piles	cu.m.	1,713		
3.06	Supply and place sand filler for steel pipe piles	cu.m.	1,479		
3.07	Supply and install reinforcing steel cage for steel pipe piles	kg.	51,497		
3.08	Supply and place 3,500 psi concrete filler for steel pipe piles	cu.m.	467		
3.09	Supply and place 3,500 psi concrete for the anchor wall, anchor block, retaining wall, mooring block, rc crub, and electrical works	cu.m.	1,169		
3.10	Supply and install steel reinforcement for the anchor wall, anchor block, retaining wall, mooring block, rc crub, and electrical works	kg.	89,853		
3.11	Supply and place gravel bedding	cu.m.	49		

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

BILL OF QUANTITIES
APARRI PORT WIDENING AND UPGRADING PROJECT
 Port of Aparri, Aparri, Cagayan



NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.12	Supply and place 50-100 kg. Core rocks	cu.m.	12,819		
3.13	Supply and install tie-rod of various sizes including accessories a) 55mm Ø x 29m b) 55mm Ø x 20m c) 55mm Ø x 2.5m d) 32mm Ø x 12m	set	25		
		set	148		
		set	1		
		set	18		
3.14	Supply and install Geotextile Fabric	sq.m.	5,110		
3.15	Supply and place Sand and Gravel fill	cu.m.	13,777		
3.16	Supply, spread and compact aggregate sub-base course	cu.m.	6,700		
3.17	Supply, spread and compact aggregate base course	cu.m.	1,090		
3.18	Construct portland cement concrete pavement (300mm thk) including dowel bars and construction joint	sq.m.	5,478		
3.19	Supply deliver and install port lighting system including lamp post and other accessories	lot	1		
3.20	Construct catch drain manhole including accessories	no.	12		
3.21	Supply and lay 600mm dia. reinforced concrete pipe including accessories	l.m.	167		

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



BILL OF QUANTITIES
APARRI PORT WIDENING AND UPGRADING PROJECT
 Port of Aparri, Aparri, Cagayan

NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) x (5)
3.22	Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories	set	8		
3.23	Install rubber dock fender and accessories	set	8		
3.24	Supply and deliver to site super cone fender (1200H) including accessories	set	9		
3.25	Install super cone fender and accessories	set	9		
3.26	Supply and deliver to site mooring bollard (100 Tons, T-head) including accessories	set	9		
3.27	Install mooring bollards (T-head type) and accessories	set	9		
TOTAL FOR BILL NO. 3					

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

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

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

BILL NO. 1

GENERAL EXPENSES

Item 1.01 Mobilization, demobilization, and cleaning

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

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

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

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

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

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

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

BILL NO. 2

REMOVAL AND EXCAVATION WORKS

Item 2.01 Remove and dispose existing pavement

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

Item 2.02 Excavate existing seabed up to required elevation

The quantity to be paid for shall be the actual volume in cubic meter of existing seabed to be excavated up to required elevation 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 Excavate and dispose existing fill materials

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

Item 2.04 Scrapping and disposal of existing subgrade materials

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

BILL NO. 3

WIDENING AND UPGRADING OF WHARF

Item 3.01 Supply and deliver to site 1,000mm dia. tubular steel pipe piles including connectors

The quantity to be paid for shall be the actual weight in metric tons of 1,000mm dia. tubular steel pipe piles including connectors to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.02 Supply and place polyurethane external coating for steel pipe piles

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

Item 3.03 Handle, pitch and drive Steel pipe piles and connectors

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

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

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

Item 3.05 Extraction of clogged and unsuitable materials inside the steel pipe piles

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

Item 3.06 Supply and place sand filler for steel pipe piles

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

Item 3.07 Supply and install reinforcing steel cage for steel pipe piles

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

Item 3.08 Supply and place 3,500 psi concrete filler for steel pipe piles

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

Item 3.09 Supply and place 3,500 psi. concrete for anchor wall, anchor block, retaining wall, mooring block, rc curb, and electrical works

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

Item 3.10 Supply and install steel reinforcement for the anchor wall, anchor block, retaining wall, mooring block, rc curb, and electrical works

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

Item 3.11 Supply and place gravel bedding

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

Item 3.12 Supply and place 50-100 kg. core rocks

The quantity to be paid for shall be the actual volume in cubic meters of 50-100 kg core rocks to be supplied and placed in accordance with the plans and specifications and accepted by the Engineer. Hydrographic/Topographic Surveys before and after placing core rocks shall be made to determine the actual elevations along the cross

sections and the actual quantities for payment. Volume due to settlement as established using settlement plates shall also be considered for payment. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.13 Supply and install tie-rod of various sizes including accessories

- a. 55mm \varnothing x 29m
- b. 55mm \varnothing x 20m
- c. 55mm \varnothing x 2.5m
- d. 32mm \varnothing x 12m

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

Item 3.14 Supply and install geotextile fabric

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

Item 3.15 Supply and place sand and gravel fill

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

Item 3.16 Supply, spread and compact aggregate sub-base course

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

Item 3.17 Supply, spread and compact aggregate base course

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

Item 3.18 Construct portland cement concrete pavement (300mm thick) including dowel bars and construction joints

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

Item 3.19 Supply deliver and install port lighting system including lamp post and other accessories

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

Item 3.20 Construct catch drain manhole including accessories

The quantity to be paid for shall be the actual number of catch drain manhole 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 3.21 Supply and lay 600mm dia. reinforced concrete pipe including accessories

The quantity to be paid for shall be the actual length in linear meter of 600mm dia. reinforced concrete pipe including accessories to be supplied and laid-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 3.22 Supply and deliver to site rubber dock fender (V-type, 500H x 1500L) including accessories

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

Item 3.23 Install rubber dock fender and accessories

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

Item 3.24 Supply and deliver to site super cone fender including accessories

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

Item 3.25 Install super cone fender and accessories

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

Item 3.26 Supply and deliver to site mooring bollard (100 Tons, T-head) including accessories

The quantity to be paid for shall be the actual set of mooring bollard (100 Tons, T-head) including accessories to be supplied and delivered to site in accordance with the plans and specifications and accepted by the Engineer. The contract unit price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the work.

Item 3.27 Install mooring bollards (T-head type) including accessories

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

FACILITIES TO BE PROVIDED FOR THE ENGINEER & HIS STAFF

RENTAL OF SITE OFFICE AND RESIDENCE FOR THE ENGINEER & STAFF

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

MINIMUM MAJOR EQUIPMENT REQUIREMENTS

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

CONSTRUCTION SAFETY AND HEALTH REQUIREMENT

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

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

The Contractor shall provide the following minimum requirements:

LABOR

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

EQUIPMENT / MATERIALS

Personnel Protective Equipment

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

Safety Devices

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

Medical and First Aid System - Twenty-four (24) mos.

NOTE:

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

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

Major Categories of Work 1]	Unit of Measure 1]	Quantity 1]	SLCC similar to the contract to be bid 2]		Other completed contracts similar to the contract to be bid 2]		Unit of Measure 2]	Quantity 2]
			Name of the contract	Name of the contract	Name of the contract	Name of the contract		
1. Pile driving works (off-shore)	l.m.	2,717						
2. Reinforced Concrete Works	cu.m.	818						
3. Rockworks (50-100 kg/pc)	cu.m.	6,410						
4. Placing of fill materials	cu.m.	10,239						

NOTE:

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

Revised: September 2021

Name of Firm

Name of Bidder/Authorized Representative
Signatory's Legal Capacity

Date

CONSTRUCTION METHODOLOGY

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

MINIMUM SCOPE OF CONSTRUCTION METHODOLOGY

A. REMOVAL AND EXCAVATION WORKS

1. Removal and disposal of existing pavement
2. Excavation of existing seabed
3. Excavation of existing fill materials
4. Scraping and disposal of existing subgrade materials

B. WIDENING AND UPGRADING OF WHARF

1. Supply & delivery of Steel Pipe Piles including polyurethane
2. Handling, pitching & driving of Steel Pipe piles
3. Supply & installation of steel waling and splice plate
4. Extraction of clogged materials inside the SPP
5. Supply & placing of sand filler for SPP
6. Supply & placing of concrete filler for SPP
7. Supply & installation of reinforcing steel cage for SPP
8. Supply & placing of 3,500 psi concrete
9. Supply & installation of reinforcing steel bars
10. Supply & placing of gravel bedding
11. Supply & placing of 50 to 100 kg. rocks
12. Supply & installation of Tie-rod
13. Supply & installation of geotextile fabric
14. Supply & placing of fill materials
15. Supply & placing of aggregate base course
16. Construction of PCC pavement
17. Electrical system
18. Drainage system
19. Supply & installation of RDF and cone fenders
20. Supply & installation of mooring bollards

NOTES:

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

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

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

Revised: September 2021

MANPOWER SCHEDULE

Name of Project : _____

Project Description : _____

Location : _____

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

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

Revised: September 2021

EQUIPMENT UTILIZATION SCHEDULE

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

EQUIPMENT (Minimum)	No. of Units	CONTRACT DURATION (_____ Calendar Days)																							
		M O N T H L Y																							
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

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