SECTION VIII

BILL OF QUANTITIES
AND
BASIS OF PAYMENT

APPROVED BUDGET FOR THE CONTRACT

NRP-PLW-01-2019 - REPAIR OF DAMAGED CONCRETE PAVEMENT, DRAINAGE COVER, R. C. WHARF PLATFORM DECK / SLAB AND JACKETING OF DILAPIDATED PILE CAPS PORT OF PUERTO PRINCESA, PALAWAN

NO. (1)	DESCRIPTION OF WORKS (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) X (5)
BILL NO. I	GENERAL EXPENSES	L.S.	1.00	₱	₱
BILL NO. II	CONCRETE PAVEMENT AND DRAINAGE COVER	LOT	1.00	₱	₱
BILL NO. III	R. C. WHARF AND PLATFORM	SQ.M.	954.19	₱	₱
BILL NO. IV	PILE CAP JACKETING	UNIT	71.00	₱	₱
				APPROVED BUDGET FOR THE CONTRACT	₱

BILL OF QUANTITIES

NRP-PLW-01-2019 - REPAIR OF DAMAGED CONCRETE PAVEMENT, DRAINAGE COVER, R. C. WHARF PLATFORM DECK / SLAB AND JACKETING OF DILAPIDATED PILE CAPS

PORT OF PUERTO PRINCESA, PALAWAN

NO. (1)	DESCRIPTION OF WORKS (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) X (5)
BILL NO. I	GENERAL EXPENSES				
1.01	Provide Safety and Health Program in the Execution of the Project	MO.	8.00	₱	₱
				TOTAL FOR BILL NO. I	₱

BILL OF QUANTITIES

NRP-PLW-01-2019 - REPAIR OF DAMAGED CONCRETE PAVEMENT, DRAINAGE COVER, R. C. WHARF PLATFORM DECK / SLAB AND JACKETING OF DILAPIDATED PILE CAPS

PORT OF PUERTO PRINCESA, PALAWAN

NO. (1)	DESCRIPTION OF WORKS (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) X (5)
BILL NO. II	CONCRETE PAVEMENT AND DRAINAGE COVER				
2.01	Demolition of Damaged Concrete Pavement	SQ.M.	1,910.74	₱	₱
2.02	Disposal of Concrete Debris and Unsuitable Materials	CU.M.	1,050.91		
2.03	Supply, Spread and Compact Aggregate Sub-Base Course (150mm thick)	CU.M.	286.61		
2.04	Supply, Spread and Compact Aggregate Base Course (150mm thick)	CU.M.	286.61		
2.05	Supply and Place Mix Concrete for Pavement (3,500 psi @ 7 days)	CU.M.	477.61		
2.06	Concrete Cutting, Curing and Protection	SQ.M.	1,910.74		
2.07	Repair of Damaged Drainage Cover	L.M.	31.60		
				TOTAL FOR BILL NO. II	₱

BILL OF QUANTITIES

NRP-PLW-01-2019 - REPAIR OF DAMAGED CONCRETE PAVEMENT, DRAINAGE COVER, R. C. WHARF PLATFORM DECK / SLAB AND JACKETING OF DILAPIDATED PILE CAPS

PORT OF PUERTO PRINCESA, PALAWAN

NO. (1)	DESCRIPTION OF WORKS (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) X (5)
BILL NO. III	R. C. WHARF AND PLATFORM				
3.01	Demolition of Damaged RC Wharf and Platform Deck/Slab	CU.M.	249.57	₱	₱
3.02	Disposal of R.C. Wharf and Platform Concrete Debris	CU.M.	249.57		
3.03	Supply and Install Reinforcing Bars for Item 3.04	KGS.	34,898.17		
3.04	Supply and Place 3,500 psi Concrete for RC Wharf and Platform Deck/Slab	CU.M.	249.57		
3.05	Supply & Install Galvanized Angle Bar 100mm x 100mm x 10mm thick	L.M.	128.30		
				TOTAL FOR BILL NO. III	₱

BILL OF QUANTITIES

NRP-PLW-01-2019 - REPAIR OF DAMAGED CONCRETE PAVEMENT, DRAINAGE COVER, R. C. WHARF PLATFORM DECK / SLAB AND JACKETING OF DILAPIDATED PILE CAPS

PORT OF PUERTO PRINCESA, PALAWAN

NO. (1)	DESCRIPTION OF WORKS (2)	UNIT (3)	QTY. (4)	UNIT PRICE (Pesos) (5)	AMOUNT (Pesos) (4) X (5)
BILL NO. IV	PILE CAP JACKETING				
4.01	Removal of Spalled Concrete and Cleaning of Corroded Rebars	LOT	1.00	₱	₱
4.02	Supply and Install Reinforcing Bars	KGS.	3,002.44		
4.03	Supply and Install Formworks	SQ.M.	400.13		
4.04	Supply and Place 4,000psi Concrete with Epoxy Bond	CU.M.	46.32		
				TOTAL FOR BILL NO. IV	₱

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal including the basis of payment for each item are as follows:

The work items included in the proposal including the basis of payment for each item are as follows:

BILL NO. I –GENERAL EXPENSES

1.01 Mobilization and Demobilization

The quantity to be paid for shall be the actual number of minimum equipment requirement enumerated in the bid documents mobilized and demobilized. 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. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization.

1.02 Provide Safety and Health Program in the Execution of the Project

The quantity to be paid for shall be the actual implementation of 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. II – CONCRETE PAVEMENT

2.01 Demolition of Damaged Concrete Pavement

The quantity to be paid for shall be the actual area in square meters of damaged concrete pavement to be demolished 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 expenses necessary to complete the work.

2.02 Disposal of Concrete Debris and Unsuitable Materials

The quantity to be paid for shall be the actual volume in cubic meters of concrete debris and unsuitable materials to be 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 expenses necessary to complete the work.

2.03 Supply, Spread and Compact Aggregate Sub-base Course (150mm thick)

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 expenses necessary to complete the work.

2.04 Supply, Spread and Compact Aggregate Base Course (150mm thick)

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 expenses necessary to complete the work.

2.05 Supply & Place Ready Mix Concrete for Pavement (3,500 PSI @ 7 Days)

The quantity to be paid for shall be the actual volume in cubic meters of ready mix concrete (3,500 PSI @ 7 Days) to be supplied and placed for pavement 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 expenses necessary to complete the work.

2.06 Concrete Cutting, Curing and Protection

The quantity to be paid for shall be the actual area in square meters of concrete cutting, curing and protection works to be done 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 expenses necessary to complete the work.

2.07 Repair of Damaged Drainage Cover

The quantity to be paid for shall be the actual length in linear meters of damaged drainage cover to be repaired 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 expenses necessary to complete the work.

BILL NO. III –R.C. WHARF AND PLATFORM

3.01 Demolition of Damaged R.C. Wharf & Platform Deck/Slab

The quantity to be paid for shall be the actual volume in cubic meters of damaged R.C. wharf and platform deck/slab to be demolished 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 expenses necessary to complete the work.

3.02 Disposal of R.C. Wharf & Platform Concrete Debris

The quantity to be paid for shall be the actual volume in cubic meters of R.C. wharf and platform concrete debris to be 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 expenses necessary to complete the work.

3.03 Supply and Install Reinforcing Bars for Item 3.04

The quantity to be paid for shall be the actual weight in kilograms of reinforcing bars to be supplied and installed for item 3.04 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 expenses necessary to complete the work.

3.04 Supply and Place 3,500 PSI Concrete for R.C. Wharf and Platform Deck/Slab

The quantity to be paid for shall be the actual volume in cubic meters of 3,500 PSI concrete to be supplied and placed for R.C. wharf and platform deck/slab 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 expenses necessary to complete the work.

3.05 Supply and Install Galvanized Angle Bar 100mm x 100mm x 10mm thick

The quantity to be paid for shall be the actual length in linear meters of galvanized angle bar 100mm x 100mm x 10m thick 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 expenses necessary to complete the work.

BILL NO. IV –PILE CAP JACKETING

4.01 Removal of Spalled Concrete and Cleaning of Corroded Rebars

The quantity to be paid for shall be the actual lot in lump sum of spalled concrete to be removed and corroded bars to be cleaned 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 expenses necessary to complete the work.

4.02 Supply and Install Reinforcing Bars

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

4.03 Supply and Install Form Works

The quantity to be paid for shall be the actual area in square meters of formworks 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 expenses necessary to complete the work.

4.04 Supply and Place 4,000 PSI Concrete with Epoxy Bond

The quantity to be paid for shall be the actual volume in cubic meters of 4,000 PSI concrete with epoxy bond 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 expenses necessary to complete the work.

BASIS OF PAYMENT FOR WORK ITEMS INCLUDED IN THE PROPOSAL

The work items included in the proposal including the basis of payment for each item are as follows:

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The quantity to be paid for shall be the actual number of minimum equipment requirement enumerated in the bid documents mobilized and demobilized. 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. Fifty percent (50%) of the total amount shall be payable after the mobilization activity while the remaining (50%) payable after demobilization.

1.02 Provide Safety and Health Program in the Execution of the Project

The quantity to be paid for shall be the actual implementation of 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. II – CONCRETE PAVEMENT

2.01 Demolition of Damaged Concrete Pavement

The quantity to be paid for shall be the actual area in square meters of damaged concrete pavement to be demolished 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 expenses necessary to complete the work.

2.02 Disposal of Concrete Debris and Unsuitable Materials

The quantity to be paid for shall be the actual volume in cubic meters of concrete debris and unsuitable materials to be 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 expenses necessary to complete the work.

2.03 Supply, Spread and Compact Aggregate Sub-base Course (150mm thick)

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 expenses necessary to complete the work.

2.04 Supply, Spread and Compact Aggregate Base Course (150mm thick)

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 expenses necessary to complete the work.

2.05 Supply & Place Ready Mix Concrete for Pavement (3,500 PSI @ 7 Days)

The quantity to be paid for shall be the actual volume in cubic meters of ready mix concrete (3,500 PSI @ 7 Days) to be supplied and placed for pavement 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 expenses necessary to complete the work.

2.06 Concrete Cutting, Curing and Protection

The quantity to be paid for shall be the actual area in square meters of concrete cutting, curing and protection works to be done 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 expenses necessary to complete the work.

2.07 Repair of Damaged Drainage Cover

The quantity to be paid for shall be the actual length in linear meters of damaged drainage cover to be repaired 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 expenses necessary to complete the work.

BILL NO. III –R.C. WHARF AND PLATFORM

3.01 Demolition of Damaged R.C. Wharf & Platform Deck/Slab

The quantity to be paid for shall be the actual volume in cubic meters of damaged R.C. wharf and platform deck/slab to be demolished 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 expenses necessary to complete the work.

3.02 Disposal of R.C. Wharf & Platform Concrete Debris

The quantity to be paid for shall be the actual volume in cubic meters of R.C. wharf and platform concrete debris to be 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 expenses necessary to complete the work.

3.03 Supply and Install Reinforcing Bars for Item 3.04

The quantity to be paid for shall be the actual weight in kilograms of reinforcing bars to be supplied and installed for item 3.04 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 expenses necessary to complete the work.

3.04 Supply and Place 3,500 PSI Concrete for R.C. Wharf and Platform Deck/Slab

The quantity to be paid for shall be the actual volume in cubic meters of 3,500 PSI concrete to be supplied and placed for R.C. wharf and platform deck/slab 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 expenses necessary to complete the work.

3.05 Supply and Install Galvanized Angle Bar 100mm x 100mm x 10mm thick

The quantity to be paid for shall be the actual length in linear meters of galvanized angle bar 100mm x 100mm x 10m thick 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 expenses necessary to complete the work.

BILL NO. IV –PILE CAP JACKETING

4.01 Removal of Spalled Concrete and Cleaning of Corroded Rebars

The quantity to be paid for shall be the actual lot in lump sum of spalled concrete to be removed and corroded bars to be cleaned 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 expenses necessary to complete the work.

4.02 Supply and Install Reinforcing Bars

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

4.03 Supply and Install Form Works

The quantity to be paid for shall be the actual area in square meters of formworks 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 expenses necessary to complete the work.

4.04 Supply and Place 4,000 PSI Concrete with Epoxy Bond

The quantity to be paid for shall be the actual volume in cubic meters of 4,000 PSI concrete with epoxy bond 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 expenses necessary to complete the work.