

SUPPLEMENTAL BID BULLETIN

**Republic of the Philippines
PHILIPPINE INTERNATIONAL CONVENTION CENTER
PICC Complex, 1307 Pasay City
BIDS AND AWARDS COMMITTEE (BAC)**

June 13, 2023

**SUPPLY OF LABOR AND MATERIALS FOR THE RE-WATERPROOFING OF THE
BELL-END ROOFDECK OF FORUM 1 & 3**

ADDENDUM NO. 02

This Addendum is issued to amend/revise certain provisions of the Bid Documents for the above-captioned procurement. Said amendments are as follows:

I. Section VI- Technical Specifications have been changed to read as:

• **A. SCOPE OF WORKS**

- 3. Waterproofing works / installation: The area to be waterproofed using PVC waterproofing membrane are the bell-end roof deck of Forum 1 and Forum 3.

The PVC waterproofing membrane shall be installed only by authorized applicators/installers.

Bidders shall measure the actual area to be waterproofed and verify its actual condition.

The Contractor shall perform the following:

- a. Conduct site survey before applications / installation. The Contractor shall examine the substrate surfaces to receive the PVC waterproofing materials/system and its associated works and check all conditions under which the waterproofing will be installed. Do not proceed with the waterproofing until all unsatisfactory conditions have been corrected in a manner acceptable to the PICC Representative. The Contractor shall restore/repair of the concrete floor slab if found with cracks, repair first the existing bitumen waterproofing, re-sealing of drains and downspouts before installation of the PVC waterproofing membrane system. Application of concrete /structural epoxy in cracks, if needed.
- b. The Contractor shall examine all the existing utilities and its status to receive the PVC waterproofing. The existing utilities present in the area are air-conditioning systems and other electrical utilities. The Bidder shall inspect carefully the existing conditions that may affect the installation and costing of the project.
- c. Prior to installation & site preparation, the Contractor shall remove all platforms not in use and repair the affected areas before application or installation of waterproofing membrane.
- d. The Contractor shall check the slope and perform slope correction avoid ponding of water.

- e. The Contractor shall check all roof/deck drain edges and such shall be repaired and treated with structural epoxy / sealant to avoid penetration of water into the waterproofing system and building.
- f. The PVC waterproofing membrane shall be installed using the mechanically fastening system. The fastener shall be 4" long screw with 3" diameter fastening plates.
- g. ***The Contractor shall install a separation layer, geotextile, approximately 300 gms/sq.m., on top of the existing bitumen waterproofing membrane.***
- h. The Contractor shall submit load fastener layout on all areas for approval before installation using the following parameters:
 - Corner: covering a 4m x 4m area, fastener shall be spaced not less than 12" O.C.
 - Perimeter: minimum of 8" O.C. Additional fasteners, if needed.
 - Field: equally spaced rows staggered / alternate at 24" O.C.
 - Laps: provide additional fastener, if needed.
 - Other areas: provide additional fastener, if needed.

The load fastener lay-out shall be signed by the Contractor and PVC Manufacturer representative.
- i. The Contractor shall terminate the waterproofing PVC membrane with flashing/upstand/termination bars in accordance with the standard termination detail. Termination bars / flat bars with screws shall be totally covered with sealant smooth finish using soap and water or other method to attain a smooth finish. Install additional flashing as needed depending on the actual height or conditions on site. The Contractor shall flash all walls, curbs and gutters including its inside and outside corners.
- j. The overlap adjacent membrane sheets shall be heat weld with an Automatic Heat Welding Machine. Hand Held Welding Machine shall only be use at difficult areas and in detailing.
- k. During installation and upon completion, an inspection shall be conducted by a Technical representative of the manufacturer to ascertain that the waterproofing membrane system has been installed according to published specifications and details. The Technical Representative shall conduct inspection for not less than twice a week. The Technical representative shall be accompanied by a PICC Representative. The Technical Representative shall submit a Certificate of Inspection indicating the installation pass through quality check the terminations, details, welded seams, overlaps and joints, all in accordance with the published / approved specifications, installation methods and details.
- l. The Contractor shall supply and install 19 units - 3" dia. brass dome type floor drain strainer.
- m. The Contractor shall provide a pre-fabricated drain bout on all deck drains.
- n. The Contractor shall repair of waterproofing of existing concrete gutter using flexible cementitious waterproofing. Application of elastomeric paint on top of cementitious waterproofing.
- o. The Contractor shall conduct flood testing of at least 2" high of water / commissioning from the highest point for 24 hours.

• **IV. CONTRACTORS QUALIFICATIONS:**

- 3. The minimum major equipment required for the project are the following:

Item No.	Number of Units	Description of Equipment
1.	1 - unit	Automatic Welding Machine for PVC Membrane
2.	2 - units	Manual Hand Welding Guns for PVC Membrane
3.	1 - unit	Electromagnetic Induction Welding Machine

II. Section VIII- Bill of Quantities have been changed to read as:

- B.1.1- Clearing of obstruction, cleaning of loose membrane granules and dirt
 - QTY.- 1.00
 - UNIT- **lot**

The corrected copies are attached. Bidders are advised to replace their original copies with the corrected copies.

For guidance and information of all concerned.


MELPIN A. GONZAGA
 Chairman

Received by:

 (Signature over printed name)
 Telephone/Fax No. _____
 Date: _____
 Name of Company: _____

SUPPLY OF LABOR AND MATERIALS FOR THE RE-WATERPROOFING OF THE BELL-END ROOFDECK OF FORUM 1 AND FORUM 3

I. SCOPE OF WORKS and SPECIFICATIONS:

The works shall be supply of all materials, labor, tools, equipment and other incidental necessary for the re-waterproofing works of the bell-end roofdeck of Forum 1 and Forum 3.

A. Scope of Works:

The following features of the work shall be performed, but not limited to the following:

1. Mobilization:

Supply of manpower, tools, equipment and temporary warehouse.

2. Health and Safety requirements:

- a. Supply and installation of 2 - safety signage per area, same as the PICC standard signage, 22" x 32".
- b. The Contractor shall provide portable fire extinguishers, at least two (2) units per location, and other fire extinguishing materials.
- c. Personal Protective Equipment (PPE). The Contractor shall comply with the requirements under DPWH and DOH (protocol against COVID-19). All workers shall wear their company uniform together with the required PPEs.

3. Waterproofing works / installation: The area to be waterproofed using PVC waterproofing membrane are the bell-end roof deck of Forum 1 and Forum 3.

The PVC waterproofing membrane shall be installed only by authorized applicators/installers.

Bidders shall measure the actual area to be waterproofed and verify its actual condition.

The Contractor shall perform the following:

- a. Conduct site survey before applications / installation. The Contractor shall examine the substrate surfaces to receive the PVC waterproofing materials/system and its associated works and check all conditions under which the waterproofing will be installed. Do not proceed with the waterproofing until all unsatisfactory conditions have been corrected in a manner acceptable to the PICC Representative. The Contractor shall restore/repair of the concrete floor slab if found with cracks, repair first the existing bitumen waterproofing, re-sealing of drains and downspouts before installation of the PVC waterproofing membrane system. Application of concrete /structural epoxy in cracks, if needed.
- b. The Contractor shall examine all the existing utilities and its status to receive the PVC waterproofing. The existing utilities present in the area are air-conditioning systems and other electrical utilities. The Bidder shall inspect

carefully the existing conditions that may affect the installation and costing of the project.

- c. Prior to installation & site preparation, the Contractor shall remove all platforms not in use and repair the affected areas before application or installation of waterproofing membrane.
- d. The Contractor shall check the slope and perform slope correction avoid ponding of water.
- e. The Contractor shall check all roof/deck drain edges and such shall be repaired and treated with structural epoxy / sealant to avoid penetration of water into the waterproofing system and building.
- f. The PVC waterproofing membrane shall be installed using the mechanically fastening system. The fastener shall be 4" long screw with 3" diameter fastening plates. with 4" long screw.
- g. *The Contractor shall install a separation layer, geotextile, approximately 300 gms/sq.m. on top of the existing bitumen waterproofing membrane*
- h. The Contractor shall submit load fastener layout on all areas for approval before installation using the following parameters:
 - Corner: covering a 4m x 4m area, fastener shall be spaced not less than 12" O.C.
 - Perimeter: minimum of 8" O.C. Additional fasteners, if needed.
 - Field: equally spaced rows staggered / alternate at 24" O.C.
 - Laps: provide additional fastener, if needed.
 - Other areas: provide additional fastener, if needed.

The load fastener lay-out shall be signed by the Contractor and PVC Manufacturer representative.
- i. The Contractor shall terminate the waterproofing PVC membrane with flashing/upstand/termination bars in accordance with the standard termination detail. Termination bars / flat bars with screws shall be totally covered with sealant smooth finish using soap and water or other method to attain a smooth finish. Install additional flashing as needed depending on the actual height or conditions on site. The Contractor shall flash all walls, curbs and gutters including its inside and outside corners.

- j. The overlap adjacent membrane sheets shall be heat weld with an Automatic Heat Welding Machine. Hand Held Welding Machine shall only be use at difficult areas and in detailing.
 - k. During installation and upon completion, an inspection shall be conducted by a Technical representative of the manufacturer to ascertain that the waterproofing membrane system has been installed according to published specifications and details. The Technical Representative shall conduct inspection for not less than twice a week. The Technical representative shall be accompanied by a PICC Representative. The Technical Representative shall submit a Certificate of Inspection indicating the installation pass through quality check the terminations, details, welded seams, overlaps and joints, all in accordance with the published / approved specifications, installation methods and details.
 - l. The Contractor shall supply and install 19 units - 3” dia. brass dome type floor drain strainer.
 - m. The Contractor shall provide a pre-fabricated drain bout on all deck drains.
 - n. The Contractor shall repair of waterproofing of existing concrete gutter using flexible cementitious waterproofing. Application of elastomeric paint on top of cementitious waterproofing.
 - o. The Contractor shall conduct flood testing of at least 2” high of water / commissioning from the highest point for 24 hours.
 - p. The Contractor shall restore all of the affected areas.
4. Demobilization, site clearing and hauling of debris
- Manpower, tools, equipment, temporary warehouse, including hauling-out of construction debris and one (1) truck load (3 cu.m.) of PICC debris located near the workshop of PICC.

B. Specifications:

The PVC membrane shall be 1.5mm thick, white. The materials shall be delivered on site sealed and labeled with the following material specifications:

Item	CRITERIA	PVC Membrane
1	Thickness	1.5mm
2	Dimension	2m W x 20m L (min)
3	Color	White

	training as Installer of PVC waterproofing membrane from the Manufacturer
1 – Safety Officer	Minimum of three (3) years’ work experience as Safety Officer/Practitioner. Must have Certificate of employment as Safety Officer and Certificate of training in Occupational Safety and Health from DOLE or any DOLE accredited training institution.

3. The minimum major equipment required for the project are the following:

Item No.	Number of Units	Description of Equipment
1.	1 – unit	Automatic Welding Machine for PVC Membrane
2.	2 – units	<i>Manual</i> Hand Welding Guns for PVC Membrane
3.	1 - unit	Electromagnetic Induction Welding Machine

V. WORKMANSHIP:

The work throughout shall be executed in the best and most thorough manner to the satisfaction of PICC and its engineers and supervisors who will jointly interpret the meaning of the scope of work and its conditions and shall have the power to reject any work, method of accomplishing every part of work and material used which in their judgment are not in full accordance therewith and are disadvantageous to PICC.

VI. LIQUIDATED DAMAGES:

In case of delay in the completion period inclusive of duly granted time extensions, if any, the Contractor shall be liable for damages and shall pay the PICC for liquidated damages in an amount equivalent to at least one tenth (1/10) of one percent (1%) of the cost of the unperformed services for every day of delay.

The maximum deduction shall be ten percent (10%) of the amount of contract. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the Contract, the procuring entity shall rescind the award without prejudice to other courses of action and remedies open to it.

PROJECT : SUPPLY OF LABOR AND MATERIALS FOR THE RE-WATERPROOFING OF THE BELL END ROOFDECK OF FORUM 1 AND FORUM 3
 LOCATION : PICC COMPLEX, VICENTE SOTTO ST. PASAY CITY
 DATE:

ITEM NO.	DESCRIPTION	QTY.	UNIT	UNIT DIRECT COST	ESTIMATED DIRECT COST	MARK-UPS		TOTAL MARK-UP		VAT 12 %	TOTAL INDIRECT COST	TOTAL COST	UNIT COST	
						OCM %	PROFIT %	%	VALUE					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
				(B X 5)	(7 + 8)	(6 X 10)	(6 + 11)	(12)	(11 + 12)	(6 + 13)	(14)	(14)	(14/3)	
Part I - GENERAL REQUIREMENTS														
A General Requirements														
A.1	Mobilization / Demobilization	1.00	lot											
A.2	Temporary Facilities	1.00	lot											
A.3	Health and Safety	1.00	lot											
TOTAL PART I														
Part II - Architectural and Waterproofing Works														
B BELL-END ROOFDECK OF FORUM														
B.1	Surface Preparation													
B.1.1	Clearing of obstruction, cleaning of loose membrane, granules and dirt	1.00	lot											
B.1.2	Removal of existing platform	1.00	lot											
B.1.3	Restoration of affected areas	1.00	lot											
B.2	Installation of PVC membrane													
B.2.1	Supply and installation of color white PVC membrane (non felt) mechanically fasten on roofdeck floor with 300g Geotextile (Separation Layer)	1.00	lot											
B.2.2	Supply and installation of PVC membrane at 500mm high upstand mechanically fasten on roof deck walls with termination bar	1.00	lot											
B.2.3	Flood Testing - filling of water on concrete deck at 2" high	1.00	lot											
B.2.4	Floor drain strainer 3" dia.	19.00	PCS.											
B.2.5	Rewaterproofing of existing concrete gutter using flexible cementitious waterproofing with elastomeric paint on top of cementitious waterproofing	1.00	lot											
C Site Clearing and Hauling of garbage														
C.1	Housekeeping, hauling of debris and hauling of 1 truckload of PICC debris	1.00	lot											
TOTAL PART II														
Part III - Inspection during warranty period														
A.1	Inspection every 6 months for 15 years (5%)	1.00	lot											
TOTAL PART III														
TOTAL I + II + III														
TOTAL CONSTRUCTION COST														