

SUPPLEMENTAL BID BULLETIN

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

May 9, 2023

**SUPPLY OF LABOR AND MATERIALS FOR THE PRODUCTION AND
DIGITIZATION OF ARCHITECTURAL AND ENGINEERING AS-BUILT PLANS
OF PICC BUILDINGS AND SITE DEVELOPMENT**

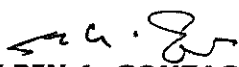
ADDENDUM NO. 01

This Addendum is issued to amend/revise certain provisions of the Bid Documents for the above-captioned procurement. The following sections of the Bid Documents have been amended:

- I. Section I- Invitation to Bid
- II. Section III- Bid Data Sheet
- III. Section V- Special Conditions of Contract
- IV. Section VI- Schedule of Requirements
- V. Section VII- Technical Specifications

The corrected copies of the aforementioned sections of the Bid Documents are attached hereto.

For guidance and information of all concerned.


MELPIN A. GONZAGA
Chairman

Received by:

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



BIDS AND AWARDS COMMITTEE

Invitation to Bid for the Supply of Labor and Materials for the Production and Digitization of Architectural and Engineering As-Built Plans of PICC Buildings and Site Development

1. The *Philippine International Convention Center (PICC)*, through the *Approved Budget for CY 2023*, intends to apply the sum of **FIFTY-ONE MILLION PESOS (Php51,000,000.00)**, VAT Inclusive, being the Approved Budget for the Contract (ABC) to payments under the contract for the **Supply of Labor and Materials for the for the Production and Digitization of Architectural and Engineering As-Built Plans of PICC Buildings and Site Development (PICC APP2023-MC-12)**. Bids received in excess of ABC shall be automatically rejected at bid opening.
2. The *PICC* now invites bids for the abovementioned requirement. Bidders should have completed, within fifteen (15) years from the date of submission and receipt of bids, a contract similar to the abovementioned requirement. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Prospective Bidders may obtain further information from the *PICC-BAC* and inspect the Bidding Documents at the address given below during office hours.
5. A complete set of Bidding Documents may be acquired by prospective bidders starting April 12, 2023 from the given address and website(s) below and *upon payment of a non-refundable fee in the amount of Twenty-Five Thousand Pesos (Php25,000.00)*. A bidder shall present its proof of payment for the fee *by furnishing the PICC-BAC a copy of the Official Receipt*.
6. The *PICC-BAC* will hold a Pre-Bid Conference on April 20, 2023 at 10:00 a.m. *at Function Room B, 2nd Floor Secretariat Building, PICC* and/or through videoconferencing/webcasting *via Zoom/Google Meet*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before 9:30 a.m. at **May 25, 2023**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 14**.

9. Bid opening shall be on *May 25, 2023*, at 10:00 a.m. at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *PICC* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

*BIDS AND AWARDS COMMITTEE
PHILIPPINE INTERNATIONAL CONVENTION CENTER
PICC Complex, Pasay City 1307
87894759 and 87894760
Telefax No. 87894761
Email: procurement@picc.gov.ph*

12. You may visit the following websites:

For downloading of Bidding Documents: *www.picc.gov.ph*

[Date of Issue]

MELPIN A. GONZAGA
Chairman



Bid Data Sheet

| ITB Clause | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 | <p>The following persons shall be eligible to participate in this bidding:</p> <ol style="list-style-type: none"> a. Duly licensed Filipino citizens/sole proprietorships; b. Partnerships duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the interest belongs to citizens of the Philippines; c. Corporations duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the of the outstanding capital stock belongs to citizens of the Philippines; d. Cooperatives duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the interest belongs to citizens of the Philippines; e. Must be in operation for the last <i>Eight (8)</i> years and should have completed a similar contract involving the production and digitization of as-built plans. |
| 5.3 | <p>For this purpose, a similar contract shall refer to the production <i>of as-built plans part of which is digitized.</i></p> <p>The Bidder must have completed within the last <i>Eight (8)</i> years a single contract that is similar to this requirement, the amount of which shall be at least fifty percent (50%) of the ABC.</p> |
| 7.1 | Sub-contracting is not allowed |
| 12 | Not applicable |
| 14.1 | <p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> a. In the amount of not less than ₱1,020,000.00, Cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. Surety Bond in the amount of not less than ₱2,550,000.00. |
| 15 | <p>Sealing and Marking of Bids</p> <p>Each Bidder shall submit the original and one (1) copy of the first and second components of its Bid.</p> |
| 16.1 | <p>The address for submission of bids is:</p> <p style="text-align: center;">PICC-Bids and Awards Committee (BAC) Secretariat Ground floor, Delegation Building PICC Complex, 1307 Pasay City</p> <p>The deadline for submission of bids is <i>May 25, 2023</i> at 9:30 a.m.</p> |



| | |
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| 17.1 | <p>The place of bid</p> <p style="text-align: center;">BAC CONFERENCE ROOM Function Room B, 2nd Floor, Secretariat Building PICC Complex, 1307 Pasay City</p> <p>The date and time of bid opening is <i>May 25, 2023</i> at 10:00 a.m.</p> <p>In case the Bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the Bids submitted and the opening of Bids shall be at 2:00 p.m. of the next working day.</p> |
| 19.3 | <p>Total ABC is FIFTY-ONE MILLION PESOS (PhP51,000,000.00), VAT Inclusive.</p> |
| 20.2 | <p>Within a non-extendible period of five (5) calendar days from receipt by the bidder of the notice from the BAC that it submitted the LCB, the Bidder shall submit the following documentary requirements:</p> <ul style="list-style-type: none"> a. Certified Photocopy of the CY 2021 Income and Business Tax Returns with proof of payment; b. Sections III and V of the bid documents, signed on each and every page by the bidder's authorized representative; c. Certification that the participating bidder has conducted ocular inspection of the subject requirement; d. Resume of key personnel who will be assigned to the abovementioned requirement; e. Project Schedule/ Work Program and S-curve; f. <i>Methodology of the following:</i> <ul style="list-style-type: none"> 1. <i>Laser Scanning and as-built plan digitization</i> 2. <i>Ground Penetrating Radar</i> 3. <i>Rebar Utility Scanning</i> 4. <i>Rebound Hammer test</i> g. <i>Training Module for the software and data management plan;</i> h. Project Safety and Health Program signed by the Safety Officer; and i. Certificate of Satisfactory Completion & Acceptance of previous PICC projects undertaken within the last five (5) years, if any. |
| 21.2 | <p>No additional requirement</p> |

Special Conditions of Contract

| GCC Clause | |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | The Procuring Entity is <i>The Philippine International Convention Center (PICC)</i> |
| 2.2 | <p>Payment</p> <p>1. Progress Payments:</p> <p>Payments shall be made in three (3) schedules:</p> <p>a. First partial payment shall be equivalent to thirty percent (30%) of the work accomplished and certified by the end-user. Payment shall be processed upon submission of the following:</p> <ul style="list-style-type: none"> • Letter request of the Contractor for the release of the payment for work accomplished. • Breakdown/ <i>statement</i> of work accomplished as validated and certified by PICC Representative shall include the submission of soft deliverables: <ul style="list-style-type: none"> - Pointcloud survey data <i>gathered at major buildings</i> - Photo-processed survey - <i>pictures</i> - Initial e-file of major buildings - Laser scans, preliminary report and e-file • Printed copies of the abovementioned accomplishments • Concrete imaging scanning, ground penetrating radar scanning and rebar/utility scanning, and rebound hammer test reports, e-file and ring-bound, signed and sealed <i>by the Contractor/ Architect/ Project-in-Charge but the final report shall be signed by a Geodetic Engineer/ Structural Engineer</i> . • Drone images and report. • Invoice <p>b. Second partial payment shall be equivalent to thirty percent (30%) of the work accomplished as certified by the end-user. Payment shall be processed upon submission of the following:</p> <ul style="list-style-type: none"> • Letter request of the Contractor for the release of the payment for work accomplished • Breakdown/ <i>statement</i> of work accomplished as validated and certified by PICC Representative. Submission of preliminary reports; <ul style="list-style-type: none"> - e-file and printed copy on 2D format of the Site/ Land Development and preliminary assessment of the significant areas of the major buildings (<i>Delegation Building, Secretariat Building, Plenary and Reception Hall</i>) in A3 size. - Preliminary <i>e-file</i> copy of the 3D walkthrough. • Printed copy, 2D Format of all major buildings • Printed copies of the abovementioned accomplishments • Invoice |



c. Third/ Full payment shall be equivalent to forty percent (40%) of the work accomplished as certified by the end-user. Payment shall be processed upon submission of the following:

- Letter request of the Contractor for the release of the payment for work accomplished.
- Complete delivery of all the requirements, soft and hard copies, *including Training for software and management of data.*
- Invoice

d. Retention Money

- *Five percent (5%) of the contract amount shall be retained as retention money*
- *The retention money shall be due for release after one (1) year reckoned from the date of complete delivery and acceptance of the project.*

2. The PICC shall deduct the following from the certified gross amounts to be paid to the contractor's progress payments.

- Cumulative value of the works previously certified and paid for.
- *Five percent (5%) every progress payment shall be retained as retention money.*

3. PICC shall pay the CONTRACTOR the amounts certified by PICC's Representative within twenty-eight (28) calendar days from the date the request for payment was approved by the end-user. No payment interest shall be made for the delayed payments and adjustments.

3

Performance Security

Within ten (10) calendar days from receipt of the Notice of Award, but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the following forms:

| Form of Performance Security | Amount of Performance Security (Equal to Percentage of the Total Contract Price) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Cash or Cashier's/Manager's Check issued by a Universal or Commercial Bank. | Five percent (5%) |
| Bank draft/guarantee issued by a Universal or Commercial Bank | Five percent (5%) |
| Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. | Thirty percent (30%) |

| | |
|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | <p>Inspection and Tests</p> <p>PICC may reject any works and materials that do not conform to the scope of works. The Contractor shall rectify such rejected work/s to meet the standard set in the scope of works Section VII – Technical Specifications at no cost to PICC.</p> |
| 5 | <p>Warranty</p> <p>The warranty period shall be ONE (1) year reckoned from the date of <i>complete delivery</i> and acceptance. The obligation for the warranty shall be covered by either retention money equivalent to five (5) percent of the total contract amount or a special bank guarantee equivalent to five (5) percent of the total contract amount. Said amounts shall only be released after the lapse of the warranty period.</p> |
| 6 | <p>The period for correction of defects in the warranty period is seven (7) calendar days upon receipt of notice from PICC project-in-charge.</p> |



Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

| Item Number | Description | |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I | Supply of Labor and Materials for the Production and Digitization of Architectural and Engineering as Built-Plans of PICC Buildings and Site Development | <p>Work shall be completed within <i>three hundred (300)</i> calendar days reckoned 7-calendar days upon receipt of the Notice to Proceed.</p> <p>NOTE: Delays due to work stoppage ordered by PICC shall not be counted against the set completion date.</p> |

I hereby commit to comply and deliver all the above requirements in accordance with the above stated schedule.

Name of Company / Bidder

Signature over printed Name of Authorized Representative

Position

Date



II. Detailed scope of work:

A. Laser scanning and as-built digitization:

The Contractor shall perform the following

1. Data gathering/acquisition/documentation/scanning

Laser scanning, archiving/recording and data gathering of the actual conditions, physical investigation, capturing the exact appearance and measurements including utilities and other fixed equipment in all areas of the PICC buildings and its land development.

2. Registration:

Stitching the different scans into one consolidated 3D point cloud model. Registration of scanned objects, colorization and processing of data.

3. Data extraction:

Scanned items are exported to 2D (AutoCAD) or 3D (Revit or its equivalent software for Building Information Modelling). The digital data are used to extract precise measurements, create fly-by animations (the ability to move around in a simulated 3D environment interactively, or to create a programmed tour or flyby), etc.

4. Data organization, analysis and collaboration:

Data are put in order and shared with the multi-disciplined experts, professionals, stakeholders, teams, etc., in order to fully utilize and analyze the information.

5. Areas to be Covered (see attached plan)

- a. **Delegation Building:** five (5) storey building with roof decks (upper and lower decks) and underground tunnel.
- b. **Bridgeway:** two (2) levels, the Lower and the Upper Bridgeway with underground tunnel.
- c. **Secretariat Building:** three (3) storey building with roof deck and underground tunnel *including Breezeway*.
- d. **Plenary Hall:** three (3) storey building with roof deck and underground tunnel.
- e. **Reception Hall:** five (5) storey building with roof deck and underground tunnel.
- f. **Service Pantry:** two (2) storey building with roof decks (upper and lower decks).
- g. **Forum Hall:** one (1) storey tent structure with partial roof decks at bell ends of Forum 1 and 3, and its power house
- h. **Warehouse:** one (1) storey building with high ceiling.
- i. **Power House:** one storey building with high ceiling and mezzanine floor and cistern tank
- j. **Cooling Tower:** one (1) storey building.
- k. **Workshop and Garbage Containers - MRF:** one (1) storey building.
- l. **Guard Houses:** located at the entrance of Delegation driveway, Gate 1, 2, 3, 4 and Quad Area.

- m. **Switching Vaults:** one (1) storey building.
- n. **Sewage Treatment Plant (STP):** One (1) storey structure.
- o. **Ground Maintenance Storage One (1) storey structure.**
- p. **Courtyard:** multi-level open space located between the Reception Hall, Delegation and Secretariat Buildings.
- q. **Reflecting Pools:** located at the Plenary and Reception Halls and courtyard
- r. **Tunnel:** underground tunnel that connects the utilities of all buildings from the powerhouse.
- s. **Site/Land Development:** lawns/gardens, driveways, sidewalks, covered walkways, fence, parking, *drainage* and other exterior development/land development of the PICC Complex

6. Submissions:

The Contractor shall submit the following;

- a. 2D As-Built Drawings *of all areas as mentioned in item 5.*
- b. 3D As-Built Models.
- c. Virtual 360 Walkthrough Scanned Captures
- d. **Photographs from scanned captures and from drone shots**
- e. Survey Report, *that includes the Concrete Imaging Scans/ GPR Scans/ Rebound Test Result*
- f. Tree tagging: for confirmation of tree names (to be included in Land Development)
- g. All drawings and reports shall be submitted in hard and soft copies. Electronic files (e-files) shall be in hard drive.

B. Floor Plans of all Meeting Rooms/venues, documentation and assessment (deterioration morphology)

The Contractor shall perform the following;

1. Photo documentation and assessment

Photographic execution and collation of the actual status of the Meeting Rooms indicating all the actual material specifications in the area. Raw data are assessed and side by side presented with the translated technical drawings.

2. Architectural drawings and documentation

Translating the photo documentation into Technical Drawings – perspective drawings, cross sections, longitudinal sections, area, ceiling plans, dimensions, elevations, material specifications and other details – details of stairs, doors and windows, fixed furniture and wall details. The as-built shall be in 2D and 3D format. Such will include cracks mapping, surface deterioration, and many other important documentations and details that can assist the team and PICC in analyzing possible issues that need to be resolved for the care and maintenance, as well as repair of the significant spaces.

3. Areas to be Covered:

3.1 Delegation Building

- a. Main Lobby
- b. Upper Lobby
- c. *Main and Upper Lobby*
- d. D-Registration and inner rooms
- e. Document Distribution and inner rooms
- f. *Business Center rooms*
- g. Leader's Hall
- h. *D-100 A & B*
- i. *Executive Offices and Balcony*
- j. *D-211*
- k. *D-200 including the glass enclosed offices*
- l. *D-216 Series (D-216 to D-219)*
- m. *Gallery*
- n. Corporate Boardrooms and ante rooms
- o. Meeting Room 1
- p. *Meeting Room 1 Annex Rooms*
- q. Meeting Room 9A
- r. *Meeting Room 9B*
- s. *Meeting Room 9 A & B*
- t. Meeting Room 10
- u. Meeting Room 11
- v. Meeting Room 12
- w. *Meeting Room 11 and 12 with S.I. booths including inner rooms*
- x. Meeting Room 14
- y. *D-301 Series (D-301 to D-305)*
- z. D-306 Series (D-306 to D-309)
- aa. Summit Hall C & D (with mezzanine *and control room*)
- bb. Summit Hall C (with mezzanine)
- cc. Summit Hall D (with mezzanine)
- dd. Summit Hall E & F (with mezzanine *and control room*)
- ee. Summit Hall E (with mezzanine)
- ff. Summit Hall F (with mezzanine)
- gg. Summit Hall G
- hh. Summit Hall H
- ii. *4th Floor Office*
- jj. Summit Lounge
- kk. Summit Hall Viewing Deck
- ll. *West Banquet Hall*
- mm. *East Banquet Hall*
- nn. *2F, 3F, 4F and 5F Lobby*
- oo. *5th Floor Office*
- pp. Main/grand stair case
- qq. Twin stair case
- rr. All Toilets
- ss. *6F rooms and roof decks*
- tt. *Entrance Foyer and Driveway*
- uu. *All Stairs*
- vv. *PICC Offices including its storage rooms*

- m. **Switching Vaults:** one (1) storey building.
- n. **Sewage Treatment Plant (STP):** One (1) storey structure.
- o. **Ground Maintenance Storage One (1) storey structure.**
- p. **Courtyard:** multi-level open space located between the Reception Hall, Delegation and Secretariat Buildings.
- q. **Reflecting Pools:** located at the Plenary and Reception Halls and courtyard
- r. **Tunnel:** underground tunnel that connects the utilities of all buildings from the powerhouse.
- s. **Site/Land Development:** lawns/gardens, driveways, sidewalks, covered walkways, fence, parking, *drainage* and other exterior development/land development of the PICC Complex

6. Submissions:

The Contractor shall submit the following;

- a. 2D As-Built Drawings *of all areas as mentioned in item 5.*
- b. 3D As-Built Models.
- c. Virtual 360 Walkthrough Scanned Captures
- d. **Photographs from scanned captures and from drone shots**
- e. Survey Report, *that includes the Concrete Imaging Scans/ GPR Scans/ Rebound Test Result*
- f. Tree tagging: for confirmation of tree names (to be included in Land Development)
- g. All drawings and reports shall be submitted in hard and soft copies. Electronic files (e-files) shall be in hard drive.

B. Floor Plans of all Meeting Rooms/venues, documentation and assessment (deterioration morphology)

The Contractor shall perform the following;

1. Photo documentation and assessment

Photographic execution and collation of the actual status of the Meeting Rooms indicating all the actual material specifications in the area. Raw data are assessed and side by side presented with the translated technical drawings.

2. Architectural drawings and documentation

Translating the photo documentation into Technical Drawings – perspective drawings, cross sections, longitudinal sections, area, ceiling plans, dimensions, elevations, material specifications and other details – details of stairs, doors and windows, fixed furniture and wall details. The as-built shall be in 2D and 3D format. Such will include cracks mapping, surface deterioration, and many other important documentations and details that can assist the team and PICC in analyzing possible issues that need to be resolved for the care and maintenance, as well as repair of the significant spaces.

ww. All AHU rooms

3.2 Secretariat Building

- a. Ground Floor Lobby*
- b. Entrance Foyer and Driveway including offices*
- c. West Wing Hall*
- d. East Wing Hall*
- e. North Wing Hall*
- f. Prayer Room*
- g. Storage Room and Electrical room near Banquet Hall 1*
- h. Banquet Hall 1-3*
- i. Banquet Hall 1*
- j. Banquet Hall 2*
- k. Banquet Hall 3*
- l. Amorsolo Restaurant*
- m. Function Rooms A*
- n. Function Rooms B*
- o. Function Rooms A & B (including Ante Room)*
- p. Meeting Room 2-3 and Interpreters Booth*
- q. Meeting Room 2 and Interpreters Booth*
- r. Meeting Room 3 and Interpreters Booth*
- s. Meeting Room 4 and Interpreters Booth*
- t. Meeting Room 5 and Interpreters Booth*
- u. Meeting Room 6 and Interpreters Booth*
- v. Meeting Room 7 and Interpreters Booth*
- w. Meeting Room 8 and Interpreters Booth*
- x. Meeting Room 2-8 Interpreters Booth*
- y. Delegates Lounge*
- z. Executive Lounge and balcony*
- aa. All toilets*
- bb. Cafeteria*
- cc. Main Kitchen*
- dd. Amorsolo Kitchen*
- ee. Breezeway/ Breezeway Offices*
- ff. 3F Tenants Area*
- gg. 2F and 3F Lobby*
- hh. All Stairs*
- ii. Roof deck*
- jj. All AHU rooms*

3.3 Bridgeway

- a. Lower Bridgeway*
- b. Upper Bridgeway*

3.4 Reception Hall

- a. Ground Floor*
- b. Mezzanine Floor*
- c. Stage and back stage rooms*
- d. Second Floor*
- e. Third Floor*
- f. Fourth Floor*

- g. Reception Hall Offices (Bowling Alley)*
- h. GF, 2F, 3F Lobby*
- i. Heroes Room*
- j. All Toilets*
- k. Catwalk*
- l. All Stairs*
- m. Loading Bays and ramps*
- n. 5F and Roof deck*
- o. All AHU rooms*

3.5 Plenary Hall

- a. Ground Floor*
- b. Stage and back stage rooms*
- c. Second Floor*
- d. 2f back stage area*
- e. Third Floor*
- f. Plenary Hall offices (Time Tunnel)*
- g. GF, 2F, 3F Lobby*
- h. All Toilets*
- i. Catwalk*
- j. All Stairs*
- k. GF Plenary and Reception Lobby including Artist Entrances*
- l. Loading Bays and ramps*
- m. Roof deck*
- n. All AHU rooms*

4. Submissions:

The Contractor shall submit the following;

- a. 2D As-Built Drawings and 3D perspective drawings of all Meeting Rooms mentioned above and its descriptions/ materials/ specifications and other technical data similar to forensics like documentation*
- b. Photographs*
- c. Documentation and assessment report*
- d. All drawings and reports shall be submitted in hard and soft copies. Electronic files (e files) shall be in hard drive.*

C. The Contractor shall perform Concrete Imaging Scan.

1. Areas to be Covered:

- a. For the horizontal GPR Scan: Less than 10 square meters of floor slab surface in the identified area of the Reception Hall or other area to be identified by PICC.*
- b. For the vertical GPR with UPV Scans, specific units and location are for identification. Limitation as follows:*
 - Beam, 2 sides, maximum length at twenty (20) meters*
 - Column, 2 sides, maximum height at ten (10) meters*
 - Wall, maximum of five (5) square meters*

2. Ground Penetrating Radar (GPR) Scan

Scanning survey on the identified floor slab is intended to investigate a utility issue through the detection of electrical concrete encased conduits.

3. Rebar/Utility Scanning using GPR Scanner and Ultrasonic Pulse Velocity (UPV)

This concrete imaging and testing service will use scanning activities with emphasis on the identification and axial position of existing rebars, utilities and crack depths.

4. Rebound Hammer Test

This test is a non-destructive test intended to find out the approximate compressive strength of concrete limited to the above-mentioned areas for Concrete Imaging Scans

5. Submissions:

- a. Technical Report in A3 sheets, showing the results, interpretation and analysis of generated data. Scanning report *DOES NOT* include the following:
 - Structural evaluation and recommendation
 - Determination of rebar and utility size (diameter)
 - Identification on the type of utility
 - On-site marking of identified rebars, utilities and anomalies
- b. Photo documentation

III. Deliverables:

The Contractor shall submit the following;

1. Hard copies in 2D as-built drawings

The hard copies shall be in 2D as-built drawings, signed and sealed by the Contractors Lead Architect/Engineers and printed in:

- a. One (1) set - 20" x 30" tracing paper with five (5) sets – blue print copies
- b. Nine (9) sets - A3 size bond paper, six (6) sets in spring metal binders with clear plastic cover and Three (3) sets - loose, unfastened. *A3 size shall not less than GSM80.*
- c. *The as-built plans shall be submitted with plastic cover per ring bind plans, proper tagging, ear tags, color coded and organized complete with boxes per building and proper legend/label. Inclusion of ear tags, if needed, for easier storage management and retrieval.*
- d. *The Contractor shall submit a sample of plan lay-out, for approval, before printing, especially the title blocks.*

A. Architectural plans per building, shall not be limited to;

1. Cover Page: Perspective, Site Development Plan, Location Plan/Map, Table of Contents
2. Site Development Plans (includes all buildings, parking areas, roads, sidewalks/walkways, perimeter fences, green areas, etc.)
3. Floor Plans, all levels, including tunnels and roof decks if any

4. Floor Plans showing interconnection of Delegation Building, Secretariat Building, Service Pantry and Plenary and Reception Halls (*Tunnel, Ground Floor, Second Floor and Third Floor*).
5. Roof Plans, including an overall PICC building roof deck plan, *including also the drone shots/pictures*.
6. Reflected Ceiling Plans (includes ceiling mounted features, i.e. lighting, CCTV's, smoke detectors, sprinklers, PA Systems, Wi-Fi routers, speakers, etc.)
7. *Minimum of Two (2) Cross Sections per level. additional cross sections if there are difference in elevations.*
8. *Minimum of Two (2) Longitudinal Sections per level. additional longitudinal sections if there are difference in elevations.*
9. Four (4) Elevation drawings per building representing each building front, rear, left side and right side elevations.
10. Exterior walls, interior and partition walls, wall openings and wall cladding
11. Fixed furniture, doors and windows, stairs, toilets, ramps, etc.

B. Layout of the following based on the actual scanning:

- a. Beams and columns layout per building per floor
- b. Stairs and Railings layout per building per floor
- c. Floor slabs layout per building per floor
- d. Roof framing plans (above the ceilings)
- e. Truss details, indicating all the sizes and dimensions of steel trusses
- f. Fire Protection and other existing utilities captured by the laser scanning like mechanical equipment, electrical cable trays, pipe lines, etc.

2. Hard copies of lay-out in 2D and perspective drawings of all areas/ venues/ meeting rooms and blow-up details of all critical components as listed in item II.B.3, shall be printed in A3 and legal size bond paper indicating the area and ceiling height. The legal size shall be three (3) sets submitted in a clear book.

- a. *Perspective*
- b. *Floor Plan*
- c. *Reflected Ceiling Plan*
- d. *Cross Section*
- e. *Longitudinal Section*
- f. *Details/ Blow-up Details*

3. Hard copies of as-built drawings in 2D format for all Meeting Rooms and other areas. See list at Detailed scope of work II B.3. As-built drawings for Meeting Rooms venue shall be compiled, signed and sealed, printed in A3 size bond paper, nine (9) sets - six (6) sets are ring bound with stamped title with clear plastic cover and the three (3) sets are loose, unfastened copies. As-built plans shall not be limited to the following:

- a. Perspective
- b. Floor plan
- c. Elevations
- d. Cross and longitudinal sections
- e. Reflected ceiling plan and details
- f. Lighting Layout

- g. Aircon Layout
- h. Doors and windows and its accessories
- i. Toilets and details
- j. Stage and details
- k. Other Details – special features in the area e.g. wall finish details, ceiling details, lighting lay-out. *Mechanical, Electrical, Plumbing/Sanitary, Fire Protection (MEPFs)*

4. Hard copies of Floor plans showing all its descriptions/materials/specifications and other technical data similar to forensic like documentation of the area

- *Photo documentation and assessment (deterioration morphology)*

5. Virtual 360 Walkthrough of Scanned Area. A web-based 360 Interactive walkthroughs from each scan location to be used for project collaboration, virtual site visits and measurement verification.

6. Soft copies/e-files/master copies of all of the above mentioned plans, details and pictures in physical hard drive/s. Hard drive/s each for 2D, 3D, and video documentations shall be provided by the Contractor.

- a. 2D (DWG and PDF)
- b. 3D - Building Information Modelling/ Revit or AchiCad (BIM/RVT)
- c. TruView (ad format on the video-sharing platform)

7. Technical Reports for the Ground Penetrating Radar (GPR) Scan Rebar/Utility Scanning using GPR Scanner and Ultrasonic Pulse Velocity (UPV) Rebound Hammer Test, showing the results, interpretation and analysis of generated data complete with pictures, lay-outs, plans, drawings and details.

8. Training: Usage of training for software and management

The Contractor shall provide *PRC-CPD Accredited Training* module for *Engineers, Architects and Marketing & Events staff* on how to use, access and navigate through the 2D and 3D Building Information Modelling (BIM) and the 360 Virtual Walkthroughs. The module shall be submitted as post-qualification requirement.

IV. The Contractor shall submit the as-built plans with proper tagging/labelling, color coding per building

1. Organize the Digitized As-Built Plans:

- a. *Group the digital files of the as-built plans according to their respective buildings and connecting areas.*
- b. *Rename the files according to the assigned color codes.*
- c. *Save the digital files in separate folders in various formats as per ITB with their respective building names.*

2. Assign Color Codes:

- a. *Assign a specific color to each building and connecting areas if applicable.*

- b. *Use colors that are easy to distinguish and identify, preferably using the branding colors from PICC. Other colors will have to be chosen based on PICC's significant events, historical data and the like, or, may be coordinated with PICC's Brand Consultants. Suggested colors are red for Delegation Building, blue for Secretariat Building, yellow for Plenary Hall and green for Reception Hall.*
- c. *Create a legend that will be included in the soft and hard copies of the as-built plans.*

3. Prepare the Soft Copies:

- a. *Save all the digitized as-built plans in the various formats stated in the ITB.*
- b. *Add bookmarks to the e-files to easily navigate through the different buildings and connecting areas.*
- c. *Apply color coding legends to the e-files wherever applicable.*
- d. *Copy the soft copies to memory drives that are also color-coded according to the building names.*

4. Prepare the Printed As-Built Plans:

- a. *Print the as-built plans in different sheet sizes. A4 for narrative reports, A3 and legal size for portable handheld copies of drawings, 20" X 30" sheets for the master copies.*
- b. *Apply color coding to the hard copies.*
- c. *Bind the hard copies with covers that are color-coded according to the building names.*
- d. *Prepare specially-made color-coded storage boxes to accommodate the printed materials in various sheet sizes and memory drives that are color-coded according to the building names.*
- e. *Label the storage boxes with the building names and color codes.*

5. Deliver the Digitized/E-Files of the As-Built Plans:

- a. *Deliver the soft copies of the as-built plans to the PICC via the color-coded memory drives.*
- b. *Deliver the hard copies of the as-built plans to the PICC in specially-made*
- c. *storage boxes/containers that are also color-coded according to the building names.*
- d. *Provide the PICC with a legend of the assigned color codes and instructions on how to use the color-coded as-built plans.*

III. GENERAL CONDITIONS:

1. The Contract Documents, Specifications and Drawings are mutually complimentary. What is noted in one although not shown in other shall be considered contained in all, in case of conflict. The documents forming the Contract shall be interpreted in the following order of priority:
 - a. Contract Agreement
 - b. Contractor's Bid
 - c. Special Conditions of the Contract
 - d. Any other document listed in the Special Conditions of the Contract as forming part of the Contract
2. The Bidders shall examine all the issued documents relating to the work and must have verified all the existing conditions at the site. No consideration will

| | | |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <i>1 – Structural Engineer</i> | <i>Licensed Structural Engineer Must have at least Ten (10) years of professional experience</i> | <i>Full assistance to the organized completion and delivery of as-built plans</i> |
| <i>1 – Electrical Engineer</i> | <i>Licensed Professional Electrical Engineer Must have at least fifteen (15) years of professional experience</i> | <i>Full assistance to the organized completion and delivery of as-built plans</i> |
| <i>1 – Mechanical Engineer</i> | <i>Licensed Professional Mechanical Engineer Must have at least fifteen (15) years of professional experience</i> | <i>Full assistance to the organized completion and delivery of as-built plans</i> |
| <i>1 – Sanitary Engineer</i> | <i>Licensed Sanitary Engineer Must have at least fifteen (15) years of professional experience</i> | <i>Full assistance to the organized completion and delivery of as-built plans</i> |

12. The Contractor shall provide the minimum number of equipment as follows:

| Item No. | Number of Units | Description of Equipment |
|----------|-----------------|----------------------------------------|
| 1 | 2 | 3D Laser Scanners |
| 2 | 1 | Concrete Imaging System |
| 3 | 1 | Ground Penetrating Radar (GPR) Machine |
| 4 | 1 | Ultrasonic Plus Velocity (UPV) Tester |
| 5 | 1 | Rebound Hammer Test Machine |
| 6 | 3 | Processing CPUs/Laptops |
| 7 | 1 | Drone Camera |

13. The Contractor shall be responsible in applying for the daily Job Order request.