

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Procurement of Construction of Fit-Out and Other Works-to- Complete of Philippine Statistics Authority (PSA) 23-Storey Building

Government of the Republic of the Philippines

PHILIPPINES STATISTICS AUTHORITY

Public Bidding No. 2022-02 (Rebidding)

**Sixth Edition
July 2020**

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.



Invitation to Bid for Procurement of Construction of Fit-Out and Other Works-to Complete of Philippine Statistics Authority (PSA) 23-Storey Building

1. The *Philippine Statistics Authority*, through a *Two-Year Multi-Year Contract Authority (MYCA) for FY 2022-2023*, intends to apply the sum of **One Billion Five Hundred Seventy-Five Million Pesos (PhP 1,575,000,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **PSA** now invites bids for the above Procurement Project. Completion of the Works is required *Seven Hundred Thirty-Three (733) Calendar Days*. Bidders should have completed a contract similar to the Project. 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 non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from **PSA** and inspect the Bidding Documents at the address given below from *8:00 AM to 5:00PM*.
5. A complete set of Bidding Documents may be acquired by interested bidders on **18 August 2022** from given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of PhP 75,000.00. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person*.
6. The **PSA** will hold a Pre-Bid Conference¹ on **26 August 2022; 10:00 AM** through video conferencing or webcasting via Zoom. Meeting links will be provided to the respective email addresses provided to the BAC Secretariat by the interested bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **07 September 2022, 9:00am**. 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 16.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

9. Bid opening shall be on **07 September 2022, 10:00 AM**. The venue for said activity will be announced accordingly.
10. The **PSA** 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 Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

Mr. Joseph P. Cajita
Chair, BAC Secretariat
11th Floor, Cyberpod Centris One, Eton Centris
EDSA corner Quezon Avenue, Quezon City
Tel. No. : (02) 374-8270
bac-secretariat@psa.gov.ph / bacsecretariat.psa@gmail.com

12. You may visit the following websites:

For downloading of Bidding Documents:
www.psa.gov.ph or <https://procurement.psa.gov.ph/>

(SGD)
MINERVA ELOISA P. ESQUIVIAS
Chairperson – Bids and Awards Committee

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, **PSA** invites Bids for the **Procurement of Construction of Fit-Out and Other Works-to-Complete of Philippine Statistics Authority (PSA) 23-storey Building** with Project Identification Number **PB 2022-02 (Rebidding)**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for ***Two-Year Multi-Year Contract Authority (MYCA) for FY 2022-2023*** in the amount of ***One Billion Five Hundred Seventy-Five Million Pesos (PhP 1,575,000,000.00)***

2.2. The source of funding is:

- a. NGA, the National Expenditure Program.

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.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed fifty percent (50%) of the contracted Works.
- 7.1. The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.2. The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and

comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

- 7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. In joint ventures, a special PCAB License, and registration for the type and cost of the contract for this Project, shall be required. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.

- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*
- a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until one hundred twenty (120) calendar days. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

18. Opening and Preliminary Examination of Bids

- 18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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 Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS), and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

ITB Clause									
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <table border="1" data-bbox="399 420 1370 1877"> <thead> <tr> <th data-bbox="399 420 711 499">SCOPE OF WORKS</th><th data-bbox="711 420 1370 499">DESCRIPTION</th></tr> </thead> <tbody> <tr> <td data-bbox="399 499 711 1087">1. General Requirements</td><td data-bbox="711 499 1370 1087"> 1. Mobilization 2. Permits and Licenses 3. Temporary Facilities 4. Temporary Utilities 5. Site Supervision/Management 6. Safety and Security 7. Bonds and Insurances 8. As-Built Drawings and Shop Drawings 9. Quality Control / Testing & Commissioning 10. Site Clearing and Demobilization 11. Tools and Equipment 12. Additional Construction Safety and Health Program (as per applicable DPWH Department Order) 13. Green Building Code Compliance 14. Energy Efficiency and Conservation Act Compliance (RA No. 11285 of 2018) </td></tr> <tr> <td data-bbox="399 1087 711 1535">2. Architectural Works</td><td data-bbox="711 1087 1370 1535"> 1. Masonry Works 2. Ceiling Finish 3. Wall Finish 4. Floor Finish 5. Painting Works 6. Waterproofing Works 7. Cabinetry, Pantry, Counter, and Accent Walls 8. Doors, Jambs, and Finish Hardware 9. Moveable Partitions 10. Glass partitions 11. Windows and Glazing Works 12. Woods, Plastics, and Composites 13. Logos and Signage's </td></tr> <tr> <td data-bbox="399 1535 711 1877">3. Landscape Works</td><td data-bbox="711 1535 1370 1877"> 1. Hardscapes a) Floor Finish b) Planter Finish c) Water Feature Finish d) Flagpole Pedestal Finish e) Bench Finish f) Trellised Walkway g) Landscape Lighting Fixture 2. Softscapes a) Planting Preparation </td></tr> </tbody> </table>	SCOPE OF WORKS	DESCRIPTION	1. General Requirements	1. Mobilization 2. Permits and Licenses 3. Temporary Facilities 4. Temporary Utilities 5. Site Supervision/Management 6. Safety and Security 7. Bonds and Insurances 8. As-Built Drawings and Shop Drawings 9. Quality Control / Testing & Commissioning 10. Site Clearing and Demobilization 11. Tools and Equipment 12. Additional Construction Safety and Health Program (as per applicable DPWH Department Order) 13. Green Building Code Compliance 14. Energy Efficiency and Conservation Act Compliance (RA No. 11285 of 2018)	2. Architectural Works	1. Masonry Works 2. Ceiling Finish 3. Wall Finish 4. Floor Finish 5. Painting Works 6. Waterproofing Works 7. Cabinetry, Pantry, Counter, and Accent Walls 8. Doors, Jambs, and Finish Hardware 9. Moveable Partitions 10. Glass partitions 11. Windows and Glazing Works 12. Woods, Plastics, and Composites 13. Logos and Signage's	3. Landscape Works	1. Hardscapes a) Floor Finish b) Planter Finish c) Water Feature Finish d) Flagpole Pedestal Finish e) Bench Finish f) Trellised Walkway g) Landscape Lighting Fixture 2. Softscapes a) Planting Preparation
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3. Landscape Works	1. Hardscapes a) Floor Finish b) Planter Finish c) Water Feature Finish d) Flagpole Pedestal Finish e) Bench Finish f) Trellised Walkway g) Landscape Lighting Fixture 2. Softscapes a) Planting Preparation								

		b) Drainage and Irrigation c) Plants, Trees, and Shrubs 3. Outside Building Development
	4. Civil Works	1. Supply and Installation of structural steel beams 2. Supply and Installation of Roofing Works 3. Supply and Installation of Perimeter Fencing Works 4. Supply and Installation of Steel Works (bleachers)
	5. Electrical Works	1. Supply and Installation of: <ul style="list-style-type: none"> a. Lighting and Power System b. Lighting Fixtures c. Panel Boards, Breakers and Enclosed Circuit Breakers d. Wiring Devices e. Main and Sub-Main Distribution f. Vacuum Fault Interrupter (VFI)
	6. Auxiliary Works	1. Supply, Delivery, Installation, and Configuration: <ul style="list-style-type: none"> a. Auxiliary <ul style="list-style-type: none"> i. Fire Detection and Alarm System (FDAS) ii. Community Antenna Television (CATV) System iii. Public Address and Background Music (PA/BGM) System iv. Telephone System v. Closed-Circuit Television (CCTV) System
	7. Network/Cabling Works	1. Supply, Delivery, Installation, and Configuration: <ul style="list-style-type: none"> a. Voice and Data network <ul style="list-style-type: none"> i. Hardware, Software, and Accessories ii. Electrical iii. Mechanical iv. Roughing-In and Cabling v. Extra-Low Voltage (ELV)
	8. Building Management System (BMS)	1. Delivery, Supply, and Installation of Building Management System (BMS) <ul style="list-style-type: none"> a. Hardware, software, and accessories b. Electrical c. Mechanical d. Plumbing and Fire Protection e. Extra-Low Voltage (ELV) f. Roughing-ins and Cabling

		<ul style="list-style-type: none"> g. Master Control of Mechanical, Electrical, Fire Protection, and Plumbing & Sanitary (MEFPS) h. Sewage Treatment Plant
	9. Mechanical Works	<ul style="list-style-type: none"> 1. Supply and Installation of Furnished and Additional Air-conditioning System <ul style="list-style-type: none"> a. Fan Coil Unit b. Copper Piping assembly to FCU and ACCU c. Air-conditioning controllers d. Copper Pipe Riser and Horizontal for the additional air-conditioning unit 2. Tapping of Air-Condition Drain 3. Supply and Installation of Additional Ventilation Systems <ul style="list-style-type: none"> a. Installation and Insulation of Horizontal Duct (fresh air duct, exhaust duct, and smoke evacuation duct) b. Energy Recovery Ventilation (ERV) c. Grilles and Diffusers d. Ventilation fans duct connection
	10. Fire Protection Works	<ul style="list-style-type: none"> 1. Supply and Installation of Black Iron Pipes and Fittings 2. Relocation, Supply, and Installation of Sprinkler Heads 3. Startup of Fire pumps 4. Supply and Installation of Fire Extinguisher
	11. Plumbing and Sanitary Works	<ul style="list-style-type: none"> 1. Supply and Installation of: <ul style="list-style-type: none"> a. Pipes and Fittings b. Drains and Clean Out c. Water line works d. Sanitary line works e. Storm drainage line works f. Overhead Water Tank g. Plumbing Fixtures
	12. Specialty Works	<ul style="list-style-type: none"> 1. Supply and Installation of Electrical System for Photovoltaic Glass Wall 2. Parking Management and Building Traffic System
	13. Furniture, Equipment, and Appliances	<ul style="list-style-type: none"> 1. Supply, Delivery, and Installation of Furniture, Equipment, and Appliances
	<ul style="list-style-type: none"> 1. Acquisition of all permits necessary for the construction project as required by regulatory agency/agencies; 2. Preparation of documents required to suit actual field conditions; 3. Evaluation of documents per submission; 	

	<div>4. Observe testing and commissioning of equipment and preparation of reports with recommendations;</div> <div>5. For post Construction of Fit-out, Network System and other Works-to-Complete, PSA shall make a final inspection and the Contractor shall submit a report of the completed Project and as-built drawings of the work making sure that specific connections available for expansion works are indicated; and</div> <div>6. All other related tasks until completion and acceptance of the project.</div>																																																																																																																																				
7.1	The PSA has prescribed that subcontracting is allowed up to 50% for the Construction of Fit-Out and Other Works-to-Complete.																																																																																																																																				
10.3	Philippine Contractors Accreditation Board (PCAB) should be License Category AAA - Size Range Large B.																																																																																																																																				
10.4	<div>The key personnel must meet the required minimum years of experience set below:</div> <div>Fit-Out Construction Key Personnel<table><tr><th colspan="2">Criteria</th><th>Score</th><th>%</th><th>%</th><th>Pts.</th></tr><tr><td>A.</td><td>Minimum Personnel Complement</td><td></td><td></td><td></td><td>100</td></tr><tr><td colspan="2">Qualification of Personnel to be Assigned for Fit-Out Construction</td><td></td><td></td><td></td><td></td></tr><tr><td colspan="2">1. Project Manager</td><td></td><td></td><td>10</td><td></td></tr><tr><td>a)</td><td>Education</td><td></td><td>60</td><td></td><td></td></tr><tr><td></td><td>Licensed Architect/Engineer with Master's Degree in Architecture/Engineering</td><td>100</td><td></td><td></td><td></td></tr><tr><td></td><td>Licensed Architect/Engineer</td><td>70</td><td></td><td></td><td></td></tr><tr><td>b)</td><td>At least five (5) years' experience in Construction of Fit-Out</td><td></td><td>40</td><td></td><td></td></tr><tr><td></td><td>10 years and above</td><td>100</td><td></td><td></td><td></td></tr><tr><td></td><td>5 years to 9 years</td><td>70</td><td></td><td></td><td></td></tr><tr><td colspan="2">2. Construction Manager</td><td></td><td></td><td>9</td><td></td></tr><tr><td>a)</td><td>Education</td><td></td><td>60</td><td></td><td></td></tr><tr><td></td><td>Licensed Architect/Civil Engineer with Master's Degree in Architecture/Structural</td><td>100</td><td></td><td></td><td></td></tr><tr><td></td><td>Licensed Architect/Civil Engineer</td><td>70</td><td></td><td></td><td></td></tr><tr><td>b)</td><td>At least five (5) years' experiences in Construction of Fit-Out</td><td></td><td>40</td><td></td><td></td></tr><tr><td></td><td>10 years and above</td><td>100</td><td></td><td></td><td></td></tr><tr><td></td><td>5 years to 9 years</td><td>70</td><td></td><td></td><td></td></tr><tr><td colspan="2">3. Project-In-Charge</td><td></td><td></td><td>8</td><td></td></tr><tr><td>a)</td><td>Education</td><td></td><td>60</td><td></td><td></td></tr><tr><td></td><td>Licensed Civil Engineer with Master's Degree</td><td>100</td><td></td><td></td><td></td></tr><tr><td></td><td>Licensed Civil Engineer</td><td>70</td><td></td><td></td><td></td></tr><tr><td>b)</td><td>At least three (3) years' experiences in Construction of Fit-Out</td><td></td><td>40</td><td></td><td></td></tr></table></div>	Criteria		Score	%	%	Pts.	A.	Minimum Personnel Complement				100	Qualification of Personnel to be Assigned for Fit-Out Construction						1. Project Manager				10		a)	Education		60				Licensed Architect/Engineer with Master's Degree in Architecture/Engineering	100					Licensed Architect/Engineer	70				b)	At least five (5) years' experience in Construction of Fit-Out		40				10 years and above	100					5 years to 9 years	70				2. Construction Manager				9		a)	Education		60				Licensed Architect/Civil Engineer with Master's Degree in Architecture/Structural	100					Licensed Architect/Civil Engineer	70				b)	At least five (5) years' experiences in Construction of Fit-Out		40				10 years and above	100					5 years to 9 years	70				3. Project-In-Charge				8		a)	Education		60				Licensed Civil Engineer with Master's Degree	100					Licensed Civil Engineer	70				b)	At least three (3) years' experiences in Construction of Fit-Out		40		
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	3 years to 5 years	70			
4. Landscape Architect			7		
a)	Education		60		
	Licensed Landscape Architect with Master's Degree	100			
	Licensed Landscape Architect	70			
b)	At least three (3) years' experiences in Landscape works		40		
	5 years and above	100			
	3 years to 5 years	70			
5. Civil Engineer/ Structural Engineer			7		
a)	Education		60		
	Licensed Civil Engineer with MS Degree in Civil/ Structural or Earthquake Engineering	100			
	Licensed Civil/Structural Engineer	70			
b)	At least five (5) years of experience in Structural and Civil Works Construction of Fit-Out Works.		40		
	10 years and above	100			
	5 years to 9 years	70			
6. Registered Electrical Engineer			7		
a)	Education		60		
	Professional Electrical Engineer	100			
	Registered Electrical Engineer	70			
b)	At least three (3) years of experience in Electrical Installation involving lighting, power, and other electrical works.		40		
	5 years and above	100			
	3 years to 5 years	70			
7. Electronics/Network Engineer			7		
a)	Education		40		
	Professional Electronics Engineer	100			
	Registered Electronics Engineer	70			
b)	At least three (3) years of experience in Auxiliary and Network/Cabling System		30		
	Experience of at least five (5) years as Professional/Registered Electronics Engineer	100			
	Experience of at least three (3) years as Professional/Registered Electronics Engineer	70			
c)	Certification		30		
	Cisco Certified Internetwork Expert (CCIE) or Juniper Networks Certified Internet Expert (JNCIE) or other equivalent certification	100			

		Cisco Certified Network Professional (CCNP) or Juniper Network Certified Internet Professional (JNCIP) or other equivalent certification	70			
	8. Registered Mechanical Engineer				7	
	a)	Education		60		
		Professional Mechanical Engineer	100			
		Registered Mechanical Engineer	70			
	b)	At least five (5) years of experience in Mechanical installation works involving mechanical systems, particularly Heating, Ventilation and Airconditioning (HVAC) and Fire Protection on office spaces.		40		
		10 years and above	100			
		5 years to 10 years	70			
	9. Registered Master Plumber				7	
	a)	Education		60		
		Registered Master Plumber with MS Degree in Engineering/Architecture	100			
		Registered Master Plumber	70			
	b)	At least three (3) years' experiences in Plumbing/Sanitary works		40		
		5 years and above	100			
		3 years to 5 years	70			
	10. Quality Assurance (QA) / Quality Control (QC) Architect				6	
	a)	Education		60		
		Licensed Architect with Master's Degree in Architecture	100			
		Licensed Architect	70			
	b)	At least five (5) years' experiences in QA/QC Architect		40		
		10 years and above	100			
		5 years to 10 years	70			
	11. Quality Assurance (QA) / Quality Control (QC) Civil Engineer				6	
	a)	Education		60		
		Licensed Civil Engineer with MS Degree in Civil/ Structural or Earthquake Engineering	100			
		Licensed Civil Engineer	70			
	b)	At least three (3) years of experience in QA/QC Civil Engineer		20		
		5 years and above	100			
		3 years to 5 years	70			
	12. Quality Assurance (QA) / Quality Control (QC) Mechanical, Electrical, Fire Protection, and Plumbing & Sanitary (MEFPS) Engineer				6	

	a)	Education		60		
		Licensed Mechanical/Electrical/Plumbing/Sanitary Engineer with Master's Degree in Engineering	100			
		Licensed Mechanical/Electrical/Plumbing/Sanitary Engineer	70			
	b)	At least three (3) years' experiences in QA/QC Mechanical, Electrical, Fire Protection, and Plumbing & Sanitary (MEFPS) Engineer		40		
		5 years and above	100			
		3 years to 5 years	70			
	13. Safety Officer				5	
	a)	Education		60		
		Licensed medical/construction professional with MS Degree in related field	100			
		Licensed medical/construction professional	70			
	b)	At least three (3) years of experience as Safety Officer		40		
		5 years and above with Occupational Safety and Health (OSH) Certification	100			
		3 to 5 years with Occupational Safety and Health (OSH) Certification	70			
	14. Computer Aided Design (CAD) Draftsman				4	
	a)	Education		60		
		Licensed Architect, Interior Designer or Engineer	100			
		Bachelor's Degree in Architecture, Interior Design and Engineering or TESDA Technical Drafting NC II Accredited Institution Training Certified	70			
	b)	At least three (3) years of experience in CAD Operation and proficient in AutoCAD Release 2018 or later and Sketchup 2012 or later.		40		
		5 years and above	100			
		3 years to 5 years	70			
	15. Administrative Officer				4	
	a)	Education		60		
		Licensed Architect/Engineer	100			
		Bachelor's Degree in Architecture/Engineering	70			

	b)	At least two (2) years in administrative works		40		
		5 years and above work experience	100			
		2 to 5 years work experience	70			
		TOTAL SCORE			100	
		PASSING SCORE			70	
	Any submission for Key Personnel/s that does not meet the Passing Rate would be automatically considered as failed for failure to comply with the minimum requirements.					
10.5	The minimum major equipment requirements for Wood works and Metal works.					
	Wood Works		Metal Works			
	Automatic edge banding		Bending machine			
	Beam saw with scouring		Spot welding machine			
	Multi boring machine		Electric arc welding			
	Thickness planer					
	Table saw					
12	The bidder should provide value engineering.					
12.5.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than PhP 31,500,000.00 , two percent (2%) of ABC if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than PhP 78,750,000.00 , five percent (5%) of ABC if bid security is in Surety Bond.					
19.2	No partial bids allowed.					
20	Permits/ Licenses: 1. Legal Documents a. Original Copy of Duly Notarized Authorization of Representative for Barangay, Locational, Fire and Building Official with Government ID of the Signatory/ies b. Certified True Copy of Transfer Certificate of Title (TCT) c. Real Property Tax Clearance d. Tax Declaration e. Tax Receipt 2. Clearances and Permits for Building Permit a. Barangay Clearance b. Locational Clearance c. Fire Safety Evaluation Clearance (FSEC) d. Construction Business Permit (Contractor's Tax) 3. Supplemental Documents (<i>If applicable</i>) a. Department of Environment and Natural Resources - Environmental Compliance Certificate (DENR-ECC) b. Building Permit c. Certificate of Final Electrical Inspection (CFEI or CEI) d. Fire Safety Inspection Certificate (FSIC) 4. Technical Documents					

	<ul style="list-style-type: none"> a. Building Permit Form (Notarized) b. Sanitary/ Plumbing Permit Form duly accomplished with complete signature and seals c. Electrical Permit Form duly accomplished with complete signature and seals d. Mechanical Permit Form duly accomplished with complete signature and seals e. Electronics Permit Form duly accomplished with complete signature and seals f. Latest copy of valid Professional Regulation Commission (PRC) ID, Professional Tax Receipt (PTR) & with 3 specimen/signature and dry seal of Architect and Engineer <p>5. Building Plans at minimum scale 1:100m (to be processed by the Contractor)</p> <ul style="list-style-type: none"> a. Architectural Plans b. Mechanical Plans c. Electrical Plans d. Sanitary/Plumbing Plans e. Electronics Plans f. Network Plans g. Structural Plans h. Fire Protection Plans <p>6. Supporting Documents (signed and sealed by the professionals)</p> <ul style="list-style-type: none"> a. Notarized Authorization Letter b. Project Specifications c. Cost Estimate/Bill of Materials d. Design Circuit Analysis and Voltage Drop Calculation (Electrical) <p>7. Certificate of Occupancy (Partial and Full Occupancy)</p> <ul style="list-style-type: none"> a. Duly accomplished Certificate of Completion, signed by owner/ applicant, signed and sealed by respective architect/ engineers, Forms are available at the Office of the Building Official. b. Approved Permit Application Forms (Back & front) c. Copy of Approved Construction Plans/Blueprints d. As-built Construction Plans, duly signed by owner/ applicant, and duly signed/ sealed by respective professionals e. Latest copy of valid Professional Regulation Commission (PRC) ID, Professional Tax Receipt (PTR) & with 3 specimen/signature and dry seal of Architect and Engineer f. Notarized Authorization Letter to transact on behalf of the Client g. Fire Safety Inspection Certificate (FSIC) h. Logbook with Daily Construction Works/Activities
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.</p>

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

- 4.1. The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.
- 4.2. If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity 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 forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in ITB Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex “E” of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor’s Bid shall be used for small additional amounts of work only when the Procuring Entity’s Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity’s Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the SCC.

11.2. The Contractor shall submit to the Procuring Entity’s Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity’s Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor’s accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the SCC, subject to the requirements in Annex “E” of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity’s Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide “as-built” Drawings, Technical Specifications, and/or operating and maintenance manuals as specified in the SCC.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause																																				
2	<p>The intended Completion Date is Seven Hundred Thirty-Three (733) Calendar Days.</p> <p>The breakdown of the computation for the total contract time is as follows:</p> <table><tr><th>No.</th><th>Activities/Works</th><th>Floor Level</th><th>Calendar Days</th><th>Total Duration</th></tr><tr><td colspan="5">First 366 Calendar Days Scope of Works (Year 1)</td></tr><tr><td>1.</td><td>Site Inspection</td><td></td><td>7 Calendar Days</td><td rowspan="5">366 Calendar Days</td></tr><tr><td>2.</td><td>Application of Building Permits and Clearances</td><td></td><td rowspan="2">30 Calendar Days</td></tr><tr><td>3.</td><td>Approval of Long Lead Items</td><td></td></tr><tr><td>4.</td><td>Application with Meralco for Full Power Supply</td><td></td><td>*up to 90 calendar days</td></tr><tr><td>5.</td><td>Mobilization and Site Preparation</td><td></td><td>14 Calendar Days</td></tr><tr><td>6.</td><td>Construction Works:<ul style="list-style-type: none">- General Requirements- Architectural Works- Landscape Works- Civil Works- Electrical Works- Auxiliary Works- Network/Cabling Works- Building Management System- Mechanical Works- Fire Protection Works- Specialty Works- Furniture, Equipment, and Appliances</td><td></td><td>248 Calendar Days</td><td></td></tr></table>	No.	Activities/Works	Floor Level	Calendar Days	Total Duration	First 366 Calendar Days Scope of Works (Year 1)					1.	Site Inspection		7 Calendar Days	366 Calendar Days	2.	Application of Building Permits and Clearances		30 Calendar Days	3.	Approval of Long Lead Items		4.	Application with Meralco for Full Power Supply		*up to 90 calendar days	5.	Mobilization and Site Preparation		14 Calendar Days	6.	Construction Works: <ul style="list-style-type: none">- General Requirements- Architectural Works- Landscape Works- Civil Works- Electrical Works- Auxiliary Works- Network/Cabling Works- Building Management System- Mechanical Works- Fire Protection Works- Specialty Works- Furniture, Equipment, and Appliances		248 Calendar Days	
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	6a.	<ul style="list-style-type: none"> • Architecture and Engineering Unit • BMS Unit • Commercial Spaces • Lobby • Main Lobby • Stock Room • Ante-Room • Public Passageway/ Lobby • Security Office • Elevator Lobby • U/A Rooms • Auxiliary Rooms • Electrical Room 	Ground Floor			
	6b.	<ul style="list-style-type: none"> • Basketball/ Badminton Court 	7 th Floor			
	6c.	<ul style="list-style-type: none"> • CBMS Planning and Coordination Division • Community Based Statistics Division (CBSD) • Geospatial Management Division (GMD) • Office of the ANS for Community Based Statistics Service (OANS-CBSS) • OANS-CBSS Staff Office • Identity Validation and Investigation Division (IVID) • Consultant's Rooms/Board Rooms • Reception/ Lounge • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	10 th Floor			

	6d.	<ul style="list-style-type: none"> • Trade Statistics Division • Crops Statistics Division • Livestock and Poultry Statistics Division • Fisheries Statistics Division • Training Hall • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	16th Floor			
	6e.	<ul style="list-style-type: none"> • Industry Statistics Division • Services Statistics Division • Price Statistics Division • Office of Assistant National Statistician for Economic Sector Statistics Service (OANS-ESSS) • OANS-ESSS Staff Office • Training Hall • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	17 th Floor			

	6f.	<ul style="list-style-type: none"> • Knowledge Management and Communications Division • Systems Quality Assurance Division • Systems Development Division • Registers and Database Management Division • Office of Assistant National Statistician for IT and Dissemination Service (OANS-ITDS) • OANS-ITDS Staff Office • Laboratory Room • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	18 th Floor			
	6g.	<ul style="list-style-type: none"> • Census Planning and Coordination Division • Population and Housing Census Division • Agriculture and Fisheries Census Division • Service and Industry Census Division • Statistical Classifications Division • Statistical Policies and Program Division • Statistical Standards Division • Office of Assistant National Statistician for National Censuses Service (OANS-NCS) 	19 th Floor			

		<ul style="list-style-type: none"> • OANS-NCSS Staff Office • Office of Assistant National Statistician for Standards Service (OANS-SS) • OANS-SS Staff Office • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 				
	6h.	<ul style="list-style-type: none"> • Vital Statistics Division • Demographic and Health Statistics Division • Income and Employment Statistics Division • Employment Demand & Labor Standards and Relations Statistics Division • Social Development Statistics Division • Poverty and Human Development Statistics Division • Office of Assistant National Statistician for Social Sector Statistics Service (OANS-SSSS) • OANS-SSSS Staff Office • Library • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms 	20 th Floor			

		<ul style="list-style-type: none"> • Electrical Room • Server Room 				
	6i.	<ul style="list-style-type: none"> • Expenditure Accounts Division • Integrated Accounts Division • Environmental and Natural Resources Accounts Division • Agricultural Accounts Division • Satellite Accounts Division • Production Accounts Division • Office of Assistant National Statistician for Macro-Economic Accounts Service (OANS-MAS) • OANS-MAS Staff Office • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	21 st Floor			
	6j.	<ul style="list-style-type: none"> • Statistical Methodological Unit • Legal Service • International Cooperation Unit • Internal Audit Division • Planning & Management Service • Computer Lab/ Simulation Room • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room 	22 nd Floor			

		<ul style="list-style-type: none"> • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 				
	6k.	<ul style="list-style-type: none"> • Office of the Deputy National Statistician for Sectoral Statistics Office (ODNS-SSO) • ODNS-SSO Staff Office • Office of the Deputy National Statistician for PhilSys Registration Office (ODNS-PRO) • ODNS-PRO Staff Office • Office of the Deputy National Statistician for Censuses and Technical Coordination Office (ODNS-CTCO) • ODNS-CTCO Staff Office • Office of the Deputy National Statistician for Civil Registration and Central Support Office (ODNS-CRCO) • ODNS-CRCO Staff Office • Office of the National Statistician (ONS) • ONS Staff Office • Mini-Gym • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	23 rd Floor			

	7.	Landscape (hardscapes and softscapes)	Ground Floor		
	8.	Balconies	7th Floor to 24 th Floor		
	9.	Basketball/ Badminton Court and Deck Garden	7 th Floor		
	10.	Roof deck Garden	Roof Deck		
	11.	Supply and Installation of Photovoltaic Tempered Glass Curtain Wall Cladding			
	12.	Supply and Installation of Roofing System including insulation with Roofing Accessories and hardware			
	13.	Parking Management and Building Traffic System			
	14.	Supply and Installation of Building Management System (BMS)			
	15.	Application of Partial Occupancy Permit for Handover of Turnover Floors			
	16.	Punch Listing, and Testing and Commissioning			
	17.	Include Hardware Acceptance Testing (HAT)			
	18.	Full Knowledge Transfer			
	19.	Rectification Works based on Punch List			
	20.	Partial Project Acceptance and Turnover			
				30 Calendar Days	
				30 Calendar Days	
				7 Calendar Days	

Second 367 Calendar Days Scope of Works (Year 2)				
	21.	Construction Works: <ul style="list-style-type: none"> - General Requirements - Architectural Works - Landscape Works - Civil Works - Electrical Works - Auxiliary Works - Network/Cabling Works - Building Management System - Mechanical Works - Fire Protection Works - Specialty Works - Furniture, Equipment, and Appliances 		
	21a.	<ul style="list-style-type: none"> • Cafeteria • Kitchen • Function Rooms • Lounge Area • Employee's Organization Rooms • Hearing/Court Room • Recreation/ Multi-Purpose Hall • Changing Rooms • Fitness Gym • Day Care Center • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	7 th Floor	286 Calendar Days
	21b.	<ul style="list-style-type: none"> • Executive Rooms (Hostel) • Standards Rooms (Hostel) • Health/Services Clinic • Legal Libraries and Investigation Room • Personal Record's Room • Property and Supplies Storage • Repair Room • Housekeeping Room • Soiled Utility • Soiled Linen 	8 th Floor	

		<ul style="list-style-type: none"> • Clean Linen • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 			367 Calendar Days	
	21c.	<ul style="list-style-type: none"> • Press Conferences • Media Center • VIP Holding/ Lounging Room • Meeting Rooms • Library • Exhibit Area • Statistical Laboratory • Data Enclave • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	9 th Floor			
	21d.	<ul style="list-style-type: none"> • Office of the Assistant National Statistician for Policy Coordination and Monitoring Service (OANS-PCMS) • OANS-PCMS & OANS-FMCMS Staff Office • Office of the Assistant National Statistician for Fraud Management and Client Management Service (OANS-FMCMS) • Office of the Assistant National Statistician for Use Case Development and Management Service (OANS-UCDMS) • Office of the Assistant National Statistician for Registration Operation Service (OANS-ROS) • OANS-UCDMS & OANS-ROS Staff Office 	11 th Floor			

		<ul style="list-style-type: none"> • ID Processing and Management Division • Office of the Assistant National Statistician for Security Information and Security Service (OANS-SISS) • OANS-SISS Staff Office • Pantry Area • Storage • Conference Halls • Meeting Rooms • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 				
	21e.	<ul style="list-style-type: none"> • Human Resources Division • Commission on Audit • Testing/ Interview/ Orientation Room • Computer Room • Pantry Areas • Meeting Rooms • Conference Halls • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	12 th Floor			
	21f.	<ul style="list-style-type: none"> • General Services Division • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Areas • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	14 th Floor			

		<ul style="list-style-type: none"> • Lounge/ Reception Area 				
	21g.	<ul style="list-style-type: none"> • Office of the Assistant National Statistician for Finance and Administrative Service (OANS-FAS) • OANS-FAS Staff Office • Accounting Division • Budget Division • Auxiliary Services • Training Hall • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Areas • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	15 th Floor			
	21h.	<ul style="list-style-type: none"> • Multi-Purpose Halls • Main Conference Room • Control Room • Kitchenette • Storage Rooms • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	24 th Floor			
	22.	Supply and Installation of Photovoltaic Tempered Glass Curtain Wall Cladding				
	23.	Supply and Installation of Roofing System including insulation with Roofing Accessories and hardware				
	24.	Parking Management and Building Traffic system				

	25.	Supply and Installation of Building Management System (BMS)	30 Calendar Days		
	26.	Application of Full Occupancy Permit			
	27.	Punch Listing, and Testing and Commissioning			
	28.	Include Hardware Acceptance Testing (HAT)			
	29.	Full Knowledge Transfer	30 Calendar Days		
	30.	Rectification Works based on Punch List			
	31.	Site Clearing, Pullout, and Demobilization			14 Calendar Days
	32.	Full Project Acceptance and Turnover			7 Calendar Days
4.1	Possession of Site shall be upon compliance with all local regulatory requirements.				
6	The site investigation reports are: a. Occupational Safety and Health Program				
7.2	No further instruction.				
10	Day works are applicable at the rate shown in the Contractor’s original Bid.				
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within five (5) days of delivery of the Notice to Proceed.				
11.2	The amount to be withheld for late submission of an updated Program of Work is five percent (5%) of the Contract Amount				
13	The amount of the advance payment is fifteen percent (15%) of Contract Amount				
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.				
12.5.1	The date by which operating and maintenance manuals are required is seven (7) days before the initial request for a final inspection. The date by which “as-built” drawings are required is seven (7) days before the initial request for a final inspection.				

12.5.2	The amount to be withheld for failing to produce “as-built” drawings and/or operating and maintenance manuals by the date required is five percent (5%) of the Contract Amount
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Section VI. Specifications

Notes on Specifications

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

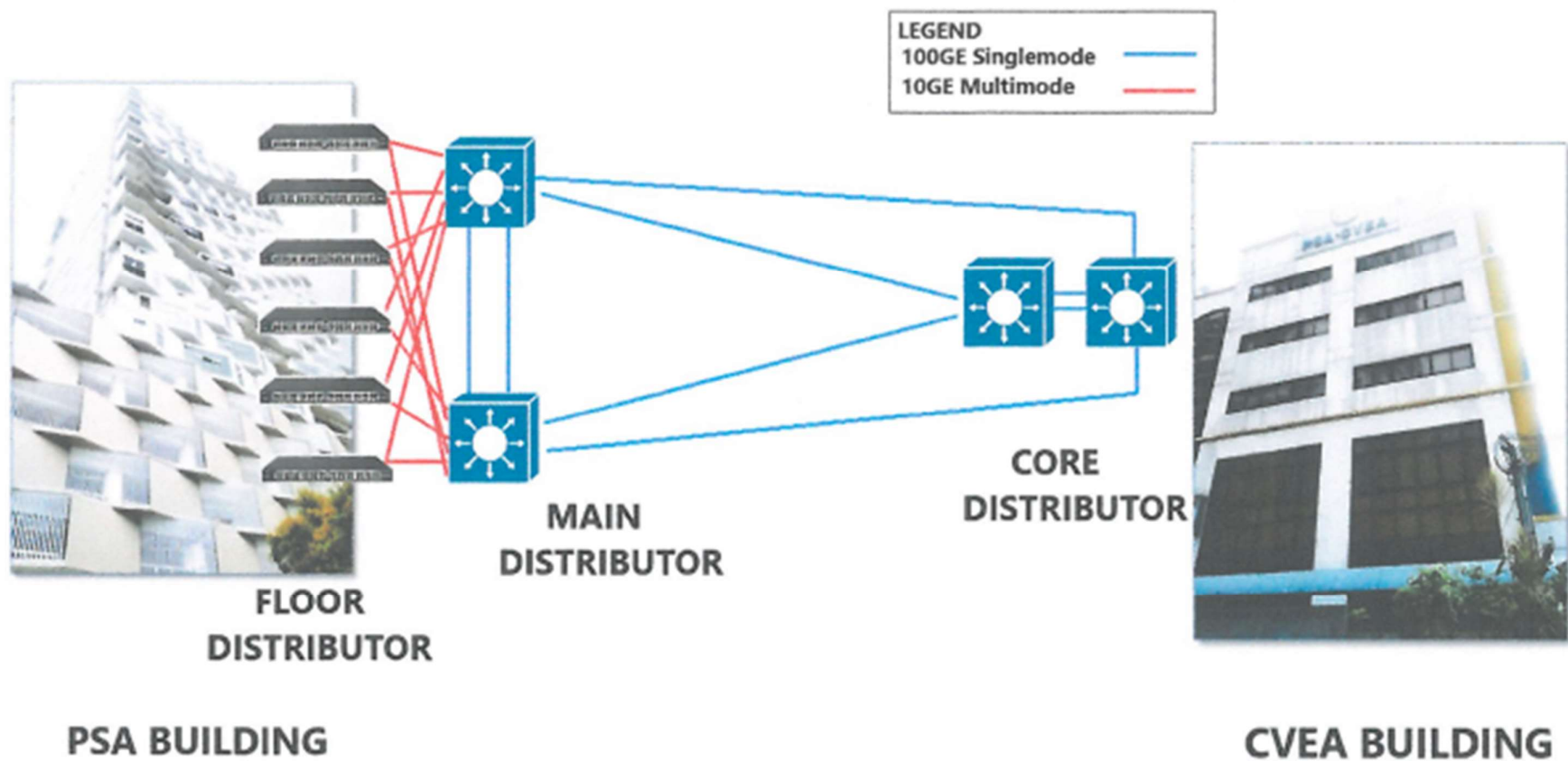
Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.

Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]



NETWORK LAYOUT OF THE PROCUREMENT OF CONSTRUCTION OF FIT-OUT, LANDSCAPE WORKS AND OTHER WORKS-TO-COMPLETE OF PHILIPPINE STATISTICS AUTHORITY (PSA) 23-STOREY BUILDING.

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

BILL OF QUANTITIES FOR CONSTRUCTION OF FIT-OUT AND OTHER WORKS-TO-COMPLETE		
SUMMARY		
ITEM NO.	DESCRIPTION	TOTAL
I	GENERAL REQUIREMENTS / PRELIMINARIES	
II	ARCHITECTURAL WORKS	
III	ELECTRICAL WORKS	
VI	AUXILIARY AND NETWORK/CABLING WORKS	
V	PLUMBING & SANITARY WORKS	
VI	MECHANICAL WORKS	
VII	FIRE PROTECTION WORKS	
VIII	LOOSE FURNITURE, APPLIANCES, AND EQUIPMENT	
IX	LANDSCAPE WORKS	
GRAND TOTAL		

SIGNATURE
 FULL NAME OF AUTHORIZED REPRESENTATIVE
 COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
I.	GENERAL REQUIREMENTS / PRELIMINARIES				
	I.1 Mobilization		lot		
	I.2 Permits and Licenses		lot		
	I.3 Temporary Facilities (Temporary Offices Barracks for Staff and Barracks for Workers)		lot		
	I.4 Temporary Utilities (Water, Electricity, Internet, and Communication)		month/s		
	I.5 Site Supervision /Site Management and Office Expenses		month/s		
	I.6 Safety and Security		month/s		
	I.7 Bonds and Insurances				
	I.7.1 Premium on Bid Security		lot		
	I.7.2 Premium on Performance Security		lot		
	I.7.3 Premium on Warranty Security		lot		
	I.7.4 Premium on Surety for Advance Payment		lot		
	I.7.5 Premium on Contractors All Risk Insurance		lot		
	I.7.6 Premium on Contractor Employees Accident Insurance and CG		lot		
	I.8 As-Built Drawings and Shop Drawings		lot		
	I.9 Quality Control/ Testing and Commissioning		lot		
	I.10 Site Clearing and Demobilization		lot		
	I.11 Tools and Equipment		lot		
	I.12 Additional Construction Safety & Health (Covid Response)		lot		
	I.13 General Scaffolding/Falseworks		lot		
	I.14 Green Building Compliance		lot		
	SUB-TOTAL:				
	GENERAL REQUIREMENTS / PRELIMINARIES				

SIGNATURE
 FULL NAME OF AUTHORIZED REPRESENTATIVE
 COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
II	ARCHITECTURAL WORKS				
II.1	MASONRY				
	P-1 150mm THK. CHB 2HR FIRE RATED (FLOOR TO BOTTOM SLAB/BEAM) PLASTERED AND FINISH AS PER WALL FINISHED SCHEDULE		sqm		
	P-2 100mm THK FULL HT DRYWALL PARTITION w/ 2HR FIRE RATING GYPSUM BOARD ON METAL FURRINGS PLASTERED AND FINISHED AS PER WALL FINISH SCHED.		sqm		
	P-3 100mm THK 1.80m HT DRYWALL PARTITION w/ 2HR FIRE RATING GYPSUM BOARD ON METAL FURRINGS PLASTERED AND FINISHED AS PER WALL FINISH SCHED.		sqm		
	P-4 100mm thick Drywall Cladding 200mm above finish floor line with 2HR Fire-rated gypsum board on Standard metal frame plastered and finish as per wall finished schedule		sqm		
II.2	WALL FINISHES				
	WF-00 CHB wall plastering		sqm		
	WF-2 300mm x 600mm x 12mm Polished Homogeneous Wall Tiles		sqm		
	WF-3 Skim coat Wall Coating Finish		sqm		
	WF-4 Acoustic Wall cladding on standard metal frames		sqm		
	WF-5 6mm thick Color Coated glass on marine 18mm thick plywood backing standard frame and accessories (All in		sqm		

	accordance with Architects Specifications)				
	WF-6 Wood Veneer Cladding accent wall		sqm		
	WF-7 Dry-installed 20mm Polished Homogeneous Granite Wall Tiles (All in accordance with Architect's Specification)		sqm		
	Cladding of Core Wall and Existing Columns		sqm		
II.3	FLOOR FINISHES				
	F-00 Concrete topping ±40mm thick		sqm		
	F-2 600mm x 600mm Carpet tiles		sqm		
	F-3 600mmx600mmx8mm thk Non Skid Tiles		sqm		
	F-4 600mmx600mmx8mm thk Non Polished Tiles		sqm		
	F-5 Rubberized Mat flooring		sqm		
	F-6 Simulated Wood tiles		sqm		
	Supply and Installation of Tiles at Balcony Area		sqm		
	Floor Insert		lm		
	3% Attic Stock for Carpet		sqm		
II.4	CEILING FINISHES				
	C-1 Low Sheen Acrylic latex Paint on Smoothed Rubbed Finished (exposed under side of Slab / Beam)		sqm		
	C-2 12mm thk Moisture Resistant Gypsum Board on metal frame Low Sheen Acrylic latex paint finish		sqm		
	C-3 600mm x 600mm Regular Acoustic Tiles with Powder Coated Aluminum T-Runners		sqm		
	C-6 12mm thk regular Gypsum Board on metal frame Low sheen Acrylic latex paint finish		sqm		
	C-7 Aluminum Composite Ceiling Panel		sqm		

	C-8 12mm thk regular Gypsum Board Hexagonal accent drop ceiling on metal frame Low sheen Acrylic latex paint finish		sqm		
	C-6.1 12mm thk regular Gypsum Board Drop/Cove ceiling on metal frame Low sheen Acrylic latex paint finish		lm		
	Ceiling at Elevator Lobby (2F-6F) Parking Floors		sqm		
	Pelmet		lm		
II.5	WATERPROOFING WORKS				
	WP-2 Crystalline Water Proofing		sqm		
	WP-3 Liquid-Applied Water Proofing		sqm		
II.6	PAINTING WORKS				
	W-1 Interior Walls; Semi-gloss latex paint		sqm		
	Ceiling finish; Acrylic latex Paint		sqm		
	Cabinets and Closet; Semi-ducco paint finish		sqm		
	Steel door and Jambs finish; Automotive spray paint finish		sqm		
	Wood door and Jambs finish; Oil stained top with clear gloss lacquer		sqm		
	Stair Railing; Automotive spray paint finish		lm		
	WF-1 Exterior Wall Painting Works at GF		sqm		
	WF-1 Repainting of Core Wall		sqm		
	Ceiling finish; Acrylic latex Paint at Elevator Lobby (2F to 6F)		sqm		
II.7	MISCELLANEOUS METAL WORKS				
	Plain Aluminum Angle		lm		
	Shadow Line Aluminum Angle		lm		
	100mm x 12mm thk Stainless Baseboard		lm		
	GI pipe Railing Floor Mounted		lm		

	GI pipe Railing Wall Mounted		lm		
	Corner guard; 50mm x 50mm angle bar painted finish		no		
	Aluminum Composite Coping		sqm		
II.8	DOORS JAMBS AND FINISH HARDWARES				
	II.8.1 Glass Doors				
	GD01 12mm thick Frameless Tempered Glass door Single Leaf complete with hardware and accessories		sets		
	GD02 12mm thick Frameless Tempered Glass door Double Leaf complete with hardware and accessories		sets		
	GD03 12mm thick Frameless Tempered Glass Sliding door on powdered coated aluminum frame complete with hardware and accessories		sets		
	II.8.2 Steel Doors				
	SD01 Hollow core metal door Single leaf swing door with bottom louver automotive paint finish complete with hardware and accessories		set/s		
	SD02 Hollow core metal door Double leaf swing door automotive paint finish complete with hardware and accessories		sets		
	SD03 Hollow core metal door Double leaf swing door automotive paint finish complete with hardware and accessories		sets		
	SD04 Metal Door at Pipe Chase		sets		
	II.8.3 Wood Doors				
	WD01 44mm thk Solid Wood door Single leaf swing door on tanguile door jamb oil		sets		

	stain lacquer top coat finish complete with hardware and accessories				
	WD01a 44mm thk Solid Wood door Single leaf swing door on tanguile door jamb oil stain lacquer top coat finish complete with hardware and accessories		sets		
	WD02 44mm thk Solid Wood door Double leaf swing door on tanguile door jamb oil stain lacquer top coat finish complete with hardware and accessories		sets		
	WD03 44mm thk Solid Core door Single leaf swing door on tanguile door jamb High pressure laminated finish complete with hardware and accessories		sets		
	WD04 44mm thk Solid Core door Double leaf swing door on tanguile door jamb High pressure laminated finish complete with hardware and accessories		sets		
	II.8.4 PVC Doors				
	PVC01 40mm thk PVC door Single leaf with louvers complete with hardware and accessories		sets		
	II.8.5 Operable Doors				
	75mm thick Operable wall panel with 40 STC high pressure laminated finish on 6mm thick marine plywood backing including hardware and accessories and structural steel support for tracks and rails				
	BD-01 BD-01; 7.85m L x 2.50m H		set/s		
	BD-02 BD-02; 7.90m L x 2.70m H		set/s		
	BD-03 BD-03; 4.415m L x 2.70m H		set/s		
	BD-04 BD-04; 4.91m L x 2.70m H		set/s		

	BD-05 BD-05; 4.65m L x 2.70m H		set/s		
	BD-06 BD-06; 5.54m L x 2.70m H		set/s		
	BD-07 BD-07; 5.10m L x 2.50m H		set/s		
	BD-08 BD-08; 4.341m L x 2.50m H		set/s		
	BD-09; 9.005m L x 2.70m H		set/s		
	3.895m L x 2.70m H (Meeting Rooms)		set/s		
	4m L x 2.70m H at Scrum Area		set/s		
	4.8m L x 2.70m H at Pantry		set/s		
II.9	WINDOWS AND GLAZING WORKS				
	P5 Glass Partition; 12mm thick Semi-Frameless Tempered Glass Fixed panel with Mid-height frosted sticker complete with hardware and accessories		sqm		
	Shower Enclosure		set/s		
II.10	MISCELLANEOUS ARCHITECTURAL WORKS				
	Fixed with Awning type window		set/s		
	Complete Supply and Installation of Interior Signages as per Plan Drawing Details and Specifications		no		
	Complete Supply and Installation of Facial Mirrors as per Drawing Details and Specifications		lm		
	<i>Balcony Railings</i>				
	Stainless Steel Handrail		lm		
	12mm thk Tempered Glass on S/S Anchors and fixing		m ²		
II.11	WOODS PLASTICS AND COMPOSITES				
	<i>Complete Supply and Installation of Pantry (Pantry Sink Faucet Grease Traps Granite Stone Slab/Countertop/Backsplash concrete slab Cabinets shelves carcass drawers</i>				

	<i>framings sidings and backboards complete with fixtures fittings hardwares and accessories) as per Plan Drawing Details and Specifications.</i>				
	Preparation Counter at Main kitchen		lm		
	Dish washing Counter at Main kitchen		lm		
	Pantry Counter		lm		
	Pantry Overhead Cabinet		lm		
	Complete Supply and Installation of Cabinetry (Closets Cabinets door shelves carcass drawers framing sidings backboards hinges handle complete with fixtures fittings hardwares and accessories) as per Plan Drawing Details and Specifications.		lm		
	Complete Supply and Installation of Counter (Countertop Desktop Counter Shelves and Drawers Framing and Sub-framing Counter Baseboard cover Ledge & Concrete complete with fixtures fittings hardwares and accessories) as per Plan Drawing Details and Specifications.		lm		
	Complete Supply and Installation of Library book Shelves Framing and Sub-framing complete with fixtures fittings hardwares and accessories		lm		
	Raise Flooring		sqm		
	Workstation Fix Installation Tubular Steel painted with ficem board cladding		no		
	Display Cabinet and Cashier at Main Kitchen		lm		
	Workshop/Repair Table		lm		
II.12	SPECIALTY WORKS*				
	Photovoltaic Tempered Glass Curtain Wall Cladding		sqm		

	Structural Steel		kg		
	Miscellaneous and Consumables (Bolts Nuts and Accessories)		lot		
	Structural Concrete 3000psi		cum		
	Formworks		sqm		
	Reinforcing Steel Bar Grade 40		kg		
	Reinforcing Steel Bar Grade 60		kg		
	Metal Decking 1.0mm thickness		sqm		
	<i>Complete Supply & Installation of Roofing System including insulation complete with roofing accessories and hardware as per Drawing Details & Specifications</i>				
	Pre-Painted Long span GI sheet Roofing GA# 24 system Rib Type complete with roofing accessories and hardware including bended materials and Stainless Steel gutter.		sqm		
	12mm thick Solid Polycarbonated Roofing on Standard framing system.		sqm		
	Metal Stair Case at Mezzanine		lot		
	Bleachers		lot		
	DEMOLITION WORKS				
	Demolition of Wall at Ground Floor		sqm		
	Dismantling of Metal Louver for the provision of fixed and awning window		lot		
	Demolition of Existing CHB Partition for the provision of Glass Partition at Elevator Lobby Area		sqm		
	Demolition of Wall for the Provision of Door at Pipe Chase Area		nos		
	Dismantling and Relocation of Existing Double Leaf Metal Doors at Elevator Lobby		nos		

	Excavation and Restoration of Concrete Pavement for Underground Pipes for Fiber Optic Cable Connection Between 23-storey PSA Office Building and CVEA Building		lot		
	SUB-TOTAL : ARCHITECTURAL WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
III	ELECTRICAL WORKS				
III.1	MAIN AND SUB-MAIN DISTRIBUTION (Including Fittings Supports and Hangers and Consumables)				
	III.1.1 Pipes				
	III.1.1.1 15mm ø IMC Pipe		lgt		
	III.1.1.2 20mm ø IMC Pipe		lgt		
	III.1.1.3 25mm ø IMC Pipe		lgt		
	III.1.1.4 32mm ø IMC Pipe		lgt		
	III.1.1.5 40mm ø IMC Pipe		lgt		
	III.1.1.6 50mm ø IMC Pipe		lgt		
	III.1.1.7 65mm ø IMC Pipe		lgt		
	III.1.1.8 80mm ø IMC Pipe		lgt		
	III.1.1.9 90mm ø IMC Pipe		lgt		
	III.1.1.10 100mm ø IMC Pipe		lgt		
	III.1.2 Wires and Cables (Including Fittings Supports and Hangers and Consumables)				
	III.1.2.1 3.5mm sq. THHN		lm/s		
	III.1.2.2 5.5mm sq. THHN		lm/s		
	III.1.2.3 8.0mm sq. THHN		lm/s		
	III.1.2.4 14mm sq. THHN		lm/s		
	III.1.2.5 22mm sq. THHN		lm/s		
	III.1.2.6 30mm sq. THHN		lm/s		
	III.1.2.7 38mm sq. THHN		lm/s		
	III.1.2.8 60mm sq. THHN		lm/s		
	III.1.2.9 80mm sq. THHN		lm/s		
	III.1.2.10 150mm sq. THHN		lm/s		
	III.1.2.11 50mm sq. THHN		lm/s		
	III.1.2.12 125mm sq. THHN		lm/s		
	III.1.2.13 200mm sq. THHN		lm/s		
	III.1.2.14 250mm sq. THHN		lm/s		
	III.1.3. Supply and Installation of Vacuum Fault Interrupter (Including Fittings Supports and Hangers and Consumables)				
	III.1.3.1 Vacuum Fault Interrupter		assy		
	III.1.3.2 Lightweight Concrete Duct Bank		lm/s		
	III.1.3.3. 100mm PVC conduit		lgt		

	III.1.3.4. 100mm PVC elbow conduit		pc/s		
	III.1.3.5. Wires and Cables including connectors, tapes, etc.				
	III.1.3.5.1. XLPE Cable (34.5 KV)		lm/s		
	III.1.3.5.2. Cable terminating kit		set/s		
III.2	LIGHTING FIXTURES				
	Including necessary Supports boxes and dropped flexible metal conduits				
	III.2.1 2x 36 Watts Fluorescent Light		pcs		
	III.2.2 1x 36 Watts Fluorescent Light		pcs		
	III.2.3 Emergency Light		pcs		
	III.2.4 Exit Light		pcs		
	III.2.5 4x 18 Watts Troffer Light		pcs		
	III.2.6 Exit Light (directional)		pcs		
	III.2.7 1 x 18 Watts LED Downlight		pcs		
	III.2.8 Pin Light (As per approved by Architect)		pcs		
	III.2.9 Provision for park light sensor		pcs		
	III.2.10 Provision for Projector		pcs		
	III.2.11 Wall Light		pcs		
	III.2.12 Cove Light		pcs		
	III.2.13 Recessed Mounted light		pcs		
	III.2.14 Lighting for Landscape Area		pcs		
	III.2.15 Lighting for Basketball Court Area		pcs		
	III.2.16 Lighting for Canopy		pcs		
	III.2.17 Lighting for the driveway from ground floor to basement		pcs		
	III.2.18 LED Panel Lights 600x600mm		pcs		
III.3	PANEL BOARDS HV/LV SWITCH GEAR				
	III.3 Panel Boards (According to plans and specifications complete with accessories and others to make the equipment functionable)				
	III.3.1 194 ECB 350AT3P NEMA 3R		set		
	III.3.2 194 ECB 175AT3P NEMA 3R		set		

	III.3.3 194 ECB 160AT3P NEMA 3R		set		
	III.3.4 194 ECB 125AT3P NEMA 3R		set		
	III.3.5 194 ECB 100AT3P NEMA 3R		set		
	III.3.6 195 ECB 80AT3P NEMA 3R		set		
	III.3.7 196 ECB 70AT3P NEMA 3R		set		
	III.3.8 196 ECB 60AT3P NEMA 3R		set		
	III.3.9 197 ECB 50AT3P NEMA 3R		set		
	III.3.10 198 ECB 40AT3P NEMA 3R		set		
	III.3.11 199 ECB 30AT3P NEMA 3R		set		
	III.3.12 200 ECB 20AT3P NEMA 3R		set		
	III.3.13 200 ECB 20AT1P NEMA 3R		set		
	III.3.14 PP6ACCU		assy		
	III.3.15 PPRDACCU		assy		
	III.3.16 PPERV		assy		
	III.3.17 PPECC		assy		
	III.3.18 20A; 1P 230V; 18KAIC; MCCB		set		
	III.3.19 30A; 1P 230V; 18KAIC; MCCB		set		
	III.3.20 30A; 3P 400V; 18KAIC; MCCB		set		
	III.3.21 40A; 3P 400V; 18KAIC; MCCB		set		
	III.3.22 Kilowatt hour meter		set		
	III.3.23 50A; 3P 400V; MCCB		set		
	III.3.24 400A; 3P 400V; MCCB		set		
	III.3.25 500A; 3P 400V; MCCB		set		
	III.3.26 700A; 3P 400V; MCCB		set		
III.4	LIGHTING AND POWER SYSTEM				
	III.4.1. Roughing-ins (including fittings and accessories in place)				
	III.4.1.1. 20mm ø PVC Conduit		lgt		
	III.4.2. Boxes and Pull Boxes (including fittings and accessories)				

	III.4.2.1 Utility Box		pcs		
	III.4.2.2 Junction Box		pcs		
	III.4.3 Wires and Cables				
	III.4.3.1 3.5mm ² THHN		lm/s		
III.5	WIRING DEVICES				
	III.5.1 1-gang Switch Outlet		pcs		
	III.5.2 2-Gang Switch Outlet		pcs		
	III.5.3 3-Gang Switch Outlet		pcs		
	III.5.4 Three Way Switch		pcs		
	III.5.5 Four Way Switch		pcs		
	III.5.6 Duplex Convenience Outlet		pcs		
	III.5.7 Single Convenience Outlet		pcs		
	III.5.8 Floor Mounted Outlet		pcs		
	III.5.9 GFCI Duplex Convenience Outlet		pcs		
	III.5.10 Ref. Outlet		pcs		
	III.5.11 Special Purpose Outlet		pcs		
	III.5.12 HD Outlet		pcs		
	III.5.13 Microwave Outlet		pcs		
	III.5.14 Range/ Rangehood Outlet		pcs		
	III.5.15 Occupancy Sensor		pcs		
	III.5.16 Water Heater Outlet		pcs		
	III.5.17 Two Way 1 Gang Switch Outlet		pcs		
	III.5.18 Three Way 2 Gang Switch Outlet		pcs		
	III.5.19 Switchbank		pcs		
III.6	SPECIALTY WORKS*				
	Complete Supply and Installation of Electrical systems for Photovoltaic Glass Wall Cladding (MERALCO Net Metering)		lot		
	Parking Management and Building Traffic System		lot		
	SUB-TOTAL : ELECTRICAL WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
IV	AUXILIARY AND NETWORK/CABLING WORKS				
IV.1	AUXILLARY WORKS (DATA SYSTEM)				
	IV.1.1 Roughing-ins (including fittings and accessories in place)				
	IV.1.1.1 20mm ø PVC Conduit		lgt		
	IV.1.1.2 100mm ø PVC Conduit		lgt		
	IV.1.1.3 600 x 150mm Cable Tray		lgt		
	IV.1.2 Boxes and Pull Boxes				
	IV.1.2.1 Utility Box		pcs		
	IV.1.3 Cabinets with Slide Gutters Backboards, Terminal Block and etc.				
	IV.1.3.1 Rack Cabinets with Slide Gutter Back Boards, Terminal Block, and Vertical and Horizontal Cable Management (For Patch Panel and Switch per floor)		pcs		
	IV.1.3.2 Distributor with Accessories				
	IV.1.3.2.1 Main Distributor Switch		assy		
	IV.1.3.2.2 Redundant Main Distributor Switch		assy		
	IV.1.3.3 Patch Panel		assy		
	IV.1.3.4 UPS, 10kVA/2P/60Hz/230V (2 per floor)		assy		
	IV.1.3.5 Floor Distribution Switch with Accessories that can accommodate the actual number of users per floor plus 30%				
	IV.1.3.5.1 48-Ports Floor Distribution Switch with Accessories		assy		
	IV.1.3.5.2 24-Ports Floor Distribution Switch with Accessories		assy		
	IV.1.4 Wires and Cables (Including Consumables Supports and Hangers)				
	IV.1.4.1 Cat6 UTP 4pairs (Horizontal Sub-system)		lm		
	IV.1.4.2 Fiber Optic Cable				

	IV.1.4.2.1 24-core Multimode (OM5 Backbone Sub-system)		lm		
	IV.1.4.2.2 Single Mode (OM5 Interconnectivity of Main Data Switches)		lm		
	IV.1.4.3 Data Outlet (Workstation Sub-system)		sets		
	IV.1.5 Devices and Equipment				
	IV.1.5.1 WiFi Router		unit		
IV.2	FIRE ALARM AND DETECTION SYSTEM				
	IV.2.1 Roughing-ins (including fittings and accessories in place)				
	IV.2.1.1 15mm ø RSC Pipe Conduit		lgt		
	IV.2.1.2 15mm ø Flexible Metal Conduit		lgt		
	IV.2.2 Boxes and Pull Boxes				
	IV.2.2.1 Pull Box		pcs		
	IV.2.2.2 Junction Box		pcs		
	IV.2.3 Wires and Cables				
	IV.2.3.1 1.25 mm ² TF Wire		lm		
	IV.2.3.2 2.#14 (2mm ²) THHN Wire Stranded		lm		
	IV.2.3.3 3.#16 AWG 2/C Fire rated cable		lm		
	IV.2.3.4 4.#16 AWG 2/C TF stranded shielded wire		lm		
	IV.2.4 Devices and Equipment (Including Consumables)				
	IV.2.4.1 Smoke Detector (Addressable)		set/s		
	IV.2.4.2 Heat Detector (Addressable)		set/s		
	IV.2.4.3 Manual Pull Station (Addressable)		set/s		
	IV.2.4.4 Fire Alarm Annunciator (Addressable)		set/s		
	IV.2.4.5 Speaker Horn with strobe light		set/s		
	IV.2.4.6 Monitoring Module		set/s		
	IV.2.4.7 Fireman's Tel Jack		set/s		
	IV.2.4.8 IDC (Initiating Device Circuit)		set/s		
	IV.2.4.9 Tamper Switch		set/s		
	IV.2.4.10 Water Flow Switch		set/s		
	IV.2.4.11 FACP Panel with EVAC		set/s		

	IV.2.4.12 FCPS 8A (External Power Supply)		set/s		
	IV.2.4.13 AVR 500VA		set/s		
	IV.2.4.14 Fire Alarm Control Panel (FACP) including battery & interfacing to EVAC/PA/BGM		lot		
IV.3	CATV SYSTEM				
	VI.3.1 Roughing-ins (including fittings and accessories in place)				
	IV.3.1.1 15mm ø PVC Conduit		lgt		
	VI.3.2 Wires and Cables (Including Consumables and supports)				
	IV.3.2.1 RG-59 Coaxial Cable		lm/s		
	IV.3.2.2 8.0. mm ² TW		lm/s		
	IV.3.2.3 CATV Outlet		sets		
IV.4	PA/BGM SYSTEM				
	IV.4.1 Roughing-ins (including fittings and accessories in place)				
	IV.4.1.1 15mm ø Flexible Metal Conduit		lm/s		
	IV.4.1.2 20mm ø RSC Pipe		lgt		
	IV.4.2 Boxes and Pull Boxes				
	IV.4.2.1 Junction Box		pcs		
	IV.4.2.2 PABGM Pull Box (300 x 300 x 100 mm)		pcs		
	IV.4.3 Wires and Cables (Including Consumables and supports)				
	IV.4.3.1 1.25 mm ² TF Wires		lm/s		
	IV.4.4 Devices and Equipment				
	IV.4.4.1 Ceiling Mounted Speakers		set/s		
	IV.4.4.2 Power Amplifier		lot		
	IV.4.4.3 Digital Matrix Center		lot		
	IV.4.4.4 Automatic Announcement		lot		
	IV.4.4.5 AM/FM Tuner		lot		
	IV.4.4.6 CD/MP3 Player		lot		
	IV.4.4.7 Test Panel		lot		
	IV.4.4.8 PABGM RACK		lot		
IV.5	TELEPHONE SYSTEM				
	IV.5.1 Roughing-ins (including fittings accessories and supports in place)				

	IV.5.1.1 15mmø PVC		lm/s		
	IV.5.2 Wires & Cables				
	IV.5.2.1 Cat6 UTP Cable 4-Pairs (Horizontal Sub-system)		lm/s		
	IV.5.2.2 Voice Outlet (Workstation Sub-system)		sets		
	IV.5.3 Wiring Devices & Boxes				
	IV.5.3.1 Telephone Outlet		set/s		
	IV.5.3.2 Utility Box		set/s		
IV.6	CCTV SYSTEM				
	IV.6.1 Roughing-ins (including fittings accessories and supports in place)				
	IV.6.1.1 20mmø PVC Conduit		lm/s		
	IV.6.2 Equipment Cabinets & Accessories				
	IV.6.2.1 CCTV Camera Ceiling Mounted		set/s		
	IV.6.2.2 Dome Type IP-CCTV		set/s		
	IV.6.2.3 Gun Type IP-CCTV		set/s		
	IV.6.2.4 64-Channel NVR with 32TB HDD		set/s		
	IV.6.2.5 43" LED Monitor		set/s		
	IV.6.2.6 PoE Switch 48 Port		set/s		
	IV.6.2.7 NVR Rack		set/s		
	IV.6.2.8 1000va UPS		set/s		
	IV.6.3 Wiring Devices & Boxes				
	IV.6.3.1 Junction Box		pcs		
IV.7	BMS SYSTEM				
	IV.7.1 HARDWARE SOFTWARE & ACCESSORIES				
	IV.7.1.1 BMS Software license		lot		
	IV.7.1.2 Hub/Switch 12 Port		lot		
	IV.7.1.3 UPS 1 KVA 230VAC 1PHASE		lot		
	IV.7.1.4 LED Monitor		unit		
	VI.7.1.5 BMS workstation		unit		
	VI.7.1.6 BMS blade server		unit		
	VI.7.1.7 2 ft Data Cabinet		unit		
	IV.7.2 ELECTRICAL				
	IV.7.2.1 Genset LVSG EMS Elevator		units		
	IV.7.2.2 Network Interface		units		
	IV.7.2.3 DDC Compact Controllers for Elevator		units		

	IV.7.2.4 DDC compact Controllers for ATS Lighting control RT/RH		units		
	IV.7.2.5 High-Temperature Sensors		unit		
	IV.7.2.6 Outside Air Temperature Sensors		unit		
	IV.7.2.7 Outside Air Relative Humidity Sensors		unit		
	IV.7.2.8 Lighting Contactor		units		
	IV.7.3 MECHANICAL				
	IV.7.3.1 HLI Gateway (VRF)		unit		
	IV.7.3.2 DDC Controllers for ENERGY RECOVERY VENTILATOR (ERV)		lot		
	IV.7.3.3 DDC Controllers for EF SF JF & Elev Shaft Press Fan		units		
	IV.7.3.4 DDC Controllers for SEF SPF & FOP/Day Tank		lot		
	IV.7.3.5 Fresh Air Supply Temp. sensor		units		
	IV.7.3.6 Fresh Air Flow Sensor / Air Flow Switch		units		
	IV.7.3.7 CO2 sensor		units		
	IV.7.3.8 Dirty Filter Sensor		unit		
	IV.7.3.9 Carbon Monoxide Sensor (CO)		units		
	IV.7.3.10 Outdoor Temperature Sensor		units		
	IV.7.3.11 Smoke Detector (Ducted Type)		unit		
	IV.7.3.12 Static Pressure Sensor		units		
	IV.7.3.13 Proof of Flow		unit		
	IV.7.3.14 Fuel Level Sensor		unit		
	IV.7.3.15 Fuel Leak Detector		units		
	IV.7.4 PLUMBING & FIRE PROTECTION				
	IV.7.4.1 DDC Controllers for FP JP Sump & Sewage Pump/Pit		units		
	IV.7.4.2 DDC Controllers for TP BP RWP Potable/Non-Potable Tank		lot		
	IV.7.4.3 DDC Controllers for Fire Reserve Tank & Sewage Treatment Plant		unit		
	IV.7.4.4 Proof of water Flow		units		
	IV.7.4.5 High/Mid/Low Water Level Alarm		units		

	IV.7.4.6 Flow Rate Meter (BTU Meter)		unit		
	IV.7.4.7 Network Interface		unit		
	IV.7.5 ELV				
	IV.7.5.1 HLI Gateway (Door Access)		unit		
	IV.7.5.2 Network Interface		unit		
	IV.7.5.3 DDC Compact Controllers for CCTV		units		
	IV.7.6 ROUGHING-INS & CABLING				
	IV.7.6.1 Roughing-ins Cable Trays hangers & supports		lot		
	IV.7.6.2 Communication Wires & Cables		lot		
	IV.7.6.3 Controller Enclosures		lot		
	IV.7.7 PROGRAMMING TESTING & COMMISSIONING				
	IV.7.7.1 Programming Testing & Commissioning		lot		
	SUB-TOTAL:				
	AUXILIARY AND NETWORK/CABLING WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
V	PLUMBING & SANITARY WORKS				
V.1	PIPES AND FITTINGS				
	V.1.1 PVC Series 1000 including Fittings				
	V.1.1.1 150mm Ø		l.m.		
	V.1.1.2 100mm Ø		l.m.		
	V.1.1.3 50mm Ø		l.m.		
	V.1.2 HDPE Pipes and Fittings				
	V.1.2.1 150mm Ø		l.m.		
	V.1.2.2 100mm Ø		l.m.		
	V.1.2.3 50mm Ø		l.m.		
	V.1.3 HDPE Condensate drain pipe including fittings and insulation				
	V.1.3.1 75mm Ø		l.m.		
V.2	DRAINS AND CLEANOUT				
	V.2.1 PVC CO				
	V.2.1.1 100mm Ø		pc/s		
	V.2.2 Perforated Pipe and Fittings				
	V.2.2.1 100mm Ø		lm		
	V.2.3 HDPE CO				
	V.2.3.1 150mm Ø		pc/s		
	V.2.4 Parking Drain				
	V.2.4.1 100mm Ø		pc/s		
	V.2.5 Deck Drain				
	V.2.5.1 75mm Ø		pc/s		
	V.2.6 Ledge Drain / Balcony Drain				
	V.2.6.1 50mm Ø		pc/s		
	V.2.6.2 Trench Drain 100mm Ø		pc/s		
	V.2.7 Floor Drain				
	V.2.7.1 50mm Ø		pc/s		
	V.2.8 Grease Trap Stainless Steel				
	V.2.8.1 15 gpm		pc/s		
	V.2.8.2 7 gpm		pc/s		
	V.2.8.3 4 gpm		pc/s		
	V.2.8.4 Oil Interceptor		pc/s		
	V.2.9 P-trap				
	V.2.9.1 PVC P-Trap		pc/s		
	V.2.10 Floor Clean-out				
	V.2.10.1 100mmØ		pc/s		
V.3	WATER LINE WORKS				
	V.3.1 PPR PIPES AND FITTINGS				
	V.3.1.1 25mm Ø		pc/s		

	V.3.1.2 20mm Ø		pc/s		
	V.3.2 Gate Valve				
	V.3.2.1 150mm Ø		pc/s		
	V.3.2.2 100mm Ø		pc/s		
	V.3.2.3 50mm Ø		pc/s		
	V.3.2.4 20mm Ø		pc/s		
	V.3.2.5 25mm Ø		pc/s		
	V.3.3 Check Valve				
	V.3.3.1 100mm Ø		pc/s		
	V.3.4 Float Valve				
	V.3.4.1 150mm Ø		pc/s		
	V.3.5 Miscellaneous Works				
	V.3.5.1 Hose Bib		pc/s		
	V.3.6 Galvanized Iron Pipe Schd. 40 and Fittings				
	V.3.6.1 100mm Ø		pc/s		
	V.3.7 GI Flanges/Blind Flanges				
	V.3.7.1 100mm Ø		pc/s		
V.4	PUMPS AND EQUIPMENTS				
	V.4.1 Booster Pump (Duplex)		set		
	V.4.2 Bladder Tank		set		
	V.4.3 Water Tank (FRP) including accessories and fittings		set		
V.5	PLUMBING FIXTURES				
	V.5.1 Water Closet		set		
	V.5.2 Kitchen Sink (Stainless)		set		
	V.5.3 Pantry Sink		set		
	V.5.4 Counter Top Lavatory		set		
	V.5.5 Sink		set		
	V.5.6 Hot and Cold				
	V.5.6.1 Shower Valves PP Single with rain shower head		set		
	V.5.6.2 Lavatory Faucet		set		
	V.5.6.3 Sink Faucet		set		
	V.5.6.4 Urinal		set		
	V.5.6.5 Undercounter Lavatory		set		
	V.5.6.7 Pantry Sink Faucet		set		
	V.5.6.8 Kitchen Sink Faucet		set		
	SUB-TOTAL:				
	PLUMBING & SANITARY WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
VI.	MECHANICAL WORKS				
VI.1	EQUIPMENT				
	VI.1.1 Extruded aluminum grilles; baked enamel finish				
	VI.1.1.1 200 x 200 mm		no		
	VI.1.2 Galvanized steel volume control dampers; manual operated opposed blade type				
	VI.1.2.1 200 x 200 mm		no		
	VI.1.3 EXHAUST VENTILATION FAN (Including Standard accessories conforming with the plan and specification)				
	VI.1.3.1 EF-1 100 CFM		set/s		
	VI.1.3.2 EF-2; 150 CFM		set/s		
	VI.1.3.3 EF-3; 16000 CFM		set/s		
	VI.1.3.4 EF-4; 10000 CFM		set/s		
	VI.1.3.5 WEF - 1 11200 CFM		set/s		
	VI.1.3.6 ADD-RH-1; 200 CFM		set/s		
VI.2	PIPES AND FITTINGS GRILLES DUCTS AND LOUVERS (Including Consumables Hangers and supports)				
	VI.2.1 Duct and Duct Accessories				
	Galvanized steel sheet ductwork and fittings; SMACNA construction standard; acrylic coating with anti-microbial agent completed as described in Specification				
	VI.2.1.1 Gauge 22; 0.6mm thick rectangular duct		m2		
	VI.2.1.2 Gauge 20; 0.8mm thick rectangular duct		m2		
	VI.2.1.3 Gauge 18; 1.0mm thick rectangular duct		m2		
	VI.2.1.4 Gauge 26 rectangular duct		m2		
	VI.2.1.5 Gauge 24 rectangular duct		m2		
	VI.2.2 Round Duct				
	VI.2.2.1 150mm dia		m		
	VI.2.2.2 100 mm dia		m		
	VI.2.3 Vent cap				
	VI.2.3.1 150mm dia		no		
	VI.2.3.2 100 mm dia		no		

	VI.2.4 Exposed ducting; Fire resistance enclosures or cladding; approved type; complete with metal framing and accessories				
	VI.2.4.1 2-hour fire resistant enclosures or cladding to rectangular ducts		m2		
	VI.2.5 Extruded aluminum grilles; baked enamel finish				
	VI.2.5.1 1200 x 600 mm		no		
	VI.2.5.2 300 x 300 mm		no		
	VI.2.5.3 250 x 200 mm		no		
	VI.2.5.4 200 x 200 mm		no		
	VI.2.5.5 150 x 150 mm		no		
	VI.2.6 Exhaust air grilles; complete wire mesh and insect screen				
	VI.2.6.1 750 x 1400 mm		no		
	VI.2.6.2 1100 x 600 mm		no		
	VI.2.6.3 1000 x 400 mm		no		
	VI.2.6.4 300 x 250 mm		no		
	VI.2.6.5 1200 x 600mm air grille w/ wire mesh		no		
	VI.2.6.6 1100 x 400mm air grille w/ wire mesh6		no		
	VI.2.7 Exhaust steel air louvers; complete with insect screen				
	VI.2.7.1 1750 x 300 mm		no		
	VI.2.7.2 1200 x 1200 mm		no		
	VI.2.7.3 1200 x 600 mm		no		
	VI.2.7.4 1100 x 400 mm		no		
	VI.2.7.5 1000 x 600 mm		no		
	VI.2.8 Galvanized steel fire dampers				
	<i>Fire dampers; 2-hour fire rated; to rectangular ducts</i>				
	VI.2.8.1 600x400mm fire damper		no		
	VI.2.8.2 700x400mm fire damper		no		
	VI.2.8.3 700x300mm fire damper		no		
	VI.2.8.4 600x300mm fire damper		no		
	VI.2.8.5 600x250mm fire damper		no		
	VI.2.8.6 550x300mm fire damper		no		
	VI.2.8.7 550x250mm fire damper		no		
	VI.2.8.8 500x300mm fire damper		no		
	VI.2.8.9 500x250mm fire damper		no		
	VI.2.8.10 450x300mm fire damper		no		

	VI.2.9 Galvanized steel volume control dampers; manual operated opposed blade type				
	VI.2.9.1 200 x 200 mm		no		
	VI.2.9.2 200 x 150 mm		no		
	VI.2.9.3 150 x 150 mm		no		
	VI.2.9.4 100 x 100 mm		no		
	VI.2.9.5 700 x 400 mm		no		
	VI.2.9.6 450 x 300 mm		no		
	VI.2.9.7 450 x 250 mm		no		
	VI.2.9.8 400 x 300 mm		no		
	VI.2.9.9 400 x 250 mm		no		
	VI.2.9.10 300 x 300 mm		no		
	VI.2.9.11 300 x 200 mm		no		
	VI.2.9.12 250 x 250 mm		no		
	VI.2.9.13 250 x 200 mm		no		
	VI.2.9.14 600x400mm volume damper		no		
	VI.2.9.15 700x300mm volume damper		no		
	VI.2.9.16 600x300mm volume damper		no		
	VI.2.9.17 600x250mm volume damper		no		
	VI.2.9.18 550x300mm volume damper		no		
	VI.2.9.19 550x250mm volume damper		no		
	VI.2.9.20 500x300mm volume damper		no		
	VI.2.9.21 500x250mm volume damper		no		
	Galvanized steel backdraft dampers;				
	VI.2.9.22 600x300mm Backdraft damper		no		
	VI.2.9.23 150x100mm Backdraft Damper		no		
	VI.2.9.24 200x150mm Backdraft Damper		no		
	VI.2.10 Silencers for Exhaust Ventilation fans				
	VI.2.10.1 1200 x 1200 mm		no		
	VI.2.10.2 1200 x 600 mm		no		
	VI.2.10.3 1000 x 500 mm		no		
	VI.2.10.4 900 x 500 mm		no		
	VI.2.10.5 1000x400mm Silencer		no		

	VI.2.11 Electrical & Controls				
	Electrical & Controls to equipment				
	VI.2.11.1 V03/EF-6; 8800 CFM		no		
	VI.2.11.2 V03/EF-7; 34000 CFM		no		
	VI.2.11.3 EF-1 100 CFM		no		
	VI.2.11.4 EF-2; 150 CFM		no		
	VI.2.11.5 EF-3; 16000 CFM		no		
	VI.2.11.6 EF-4; 10000 CFM		no		
	VI.2.11.7 WEF - 1 11200 CFM		set/s		
	VI.2.12 Fresh Ventilation fans; flexible connections between inlet/outlet and ductwork; galvanized steel casings and insulation; electrical cable supply and connection all as described in Specification				
	VI.2.12.1 KFAF-1; 7100 CFM		no		
	VI.2.12.2 FAF-1; 10200 CFM		no		
	VI.2.12.3 FAF-2; 16000 CFM		no		
	VI.2.12.4 EVR-1; 33766 CFM w/c VFD Drive		no		
	VI.2.12.5 EVR-2; 35066 CFM w/c VFD Drive		no		
	VI.2.12.6 ADD-KFAF-1; 1120 CFM		no		
	VI.2.12.7 KFAF-2; 5200 CFM		no		
	VI.2.12.8 ERV-1; 380 cfm(supply)/ 310 cfm (exhaust); heat exchanger type		no		
	VI.2.13 Duct and Duct Accessories				
	<i>Galvanized steel sheet ductwork and fittings; SMACNA construction standard; acrylic coating with anti-microbial agent completed as described in Specification</i>				
	VI.2.13 .1 Gauge 22; 0.6mm thick rectangular duct		m2		
	VI.2.13 .2 Gauge 20; 0.8mm thick rectangular duct		m2		
	VI.2.13 .3 Gauge 26 rectangular duct		m2		
	VI.2.13 .4 Gauge 24 rectangular duct		m2		
	VI.2.14 Duct Insulation				
	VI.2.14.1 25mm thick		m2		
	VI.2.15 Exposed ducting; Fire resistance enclosures or cladding; approved type; complete with metal framing and accessories				

	VI.2.15.1 2-hour fire resistant enclosures or cladding to rectangular ducts		m2		
	VI.2.15.2 Carbon monoxide sensor		no		
	VI.2.15.3 Flow switch sensor		no		
	VI.2.15.4 ERV Filter (MERV-13 /MERV-8)		lot		
	VI.2.16 Fresh air grilles; complete with wire mesh & insect screen				
	VI.2.16.1 1300 x 500 mm		no		
	VI.2.16.2 350 x 250 mm		no		
	VI.2.16.3 1300x700mm airgrille w/ wire mesh		no		
	VI.2.16.4 1400x500 airgrille w/ wire mesh		no		
	VI.2.16.5 1000x400 air grille w/ wire mesh		no		
	VI.2.16.6 900x400 air grille w/ wire mesh		no		
	VI.2.16.7 500x300 air grille w/ wire mesh		no		
	VI.2.16.8 300x250 air grille w/ wire mesh		no		
	VI.2.16.9 1200x600mm air grille		no		
	VI.2.16.10 400x200mm air grille w/ VCD		no		
	VI.2.16.11 300x300mm air grille w/ VCD		no		
	VI.2.16.12 200x200mm air grille w/ VCD		no		
	VI.2.16.13 150x150mm		no		
	VI.2.17 Fresh steel air louvers; complete with wire mesh & insect screen				
	VI.2.17.1 1400 x 500 mm		no		
	VI.2.17.2 1300 x 700 mm		no		
	VI.2.17.3 1000 x 400 mm		no		
	VI.2.17.4 900 x 400 mm		no		
	VI.2.17.5 500 x 300 mm		no		
	VI.2.18 Galvanized steel fire dampers				
	<i>Fire dampers; 1 - 1/2-hour fire rated; to rectangular ducts</i>				
	VI.2.18.1 700x400mm fire damper		no		
	VI.2.18.2 650x300mm fire damper		no		
	VI.2.18.3 300x300mm fire damper		no		
	VI.2.18.4 1000x300mm fire damper		no		

	VI.2.18.5 600x600mm fire damper		no		
	VI.2.18.6 550x300mm fire damper		no		
	VI.2.18.7 500x300mm fire damper		no		
	VIII.2.19 Galvanized steel volume control dampers; manual operated opposed blade type				
	VI.2.19.1 250 x 200 mm		no		
	VI.2.19.2 200 x 200 mm		no		
	VI.2.19.3 200 x 150 mm		no		
	VI.2.19.4 150 x 150 mm		no		
	VI.2.19.5 150 x 100 mm		no		
	VI.2.19.6 100 x 100 mm		no		
	VI.2.19.7 1000X300mm volume damper		no		
	VI.2.19.8 700X400mm volume damper		no		
	VI.2.19.9 650X300mm volume damper		no		
	VI.2.19.10 600X300mm volume damper		no		
	VI.2.19.11 550x300mm volume damper		no		
	VI.2.19.12 500x300mm volume damper		no		
	VI.2.19.13 600x400 mm		no		
	VI.2.19.14 500x250mm		no		
	VI.2.19.15 450x300mm		no		
	VI.2.19.16 300x200mm		no		
	VI.2.19.17 250x250mm		no		
	VI.2.20 Silencers for Fresh Ventilation fans				
	VI.2.20.1 1300 x 500 mm		no		
	VI.2.20.2 1200 x 600 mm		no		
	VI.2.20.3 1000 x 400 mm		no		
	VI.2.20.4 500 x 300 mm		no		
	VI.2.20.5 900x400mm Silencer		no		
	VI.2.20.6 350x250mm Silencer		no		
	VI.2.20.7 300x250mm Silencer		no		
	VI.2.21 Electrical & Controls				
	<i>Electrical & Controls to equipment</i>				
	VI.2.21.1 KFAF-1; 7100 CFM		no		
	VI.2.21.2 FAF-1; 10200 CFM		no		
	VI.2.21.3 FAF-2; 16000 CFM		no		
	VI.2.21.4 EVR-1; 33766 CFM		no		
	VI.2.21.5 EVR-2; 35066 CFM		no		
	VI.2.21.6 ADD-KFAF-1; 1120 CFM		no		

	VI.2.21.7 KFAF-2; 5200 CFM		no		
	VI.2.21.8 ERV-1; 380 cfm(supply)/ 310 cfm (exhaust); heat exchanger type		no		
	VI.2.22 Kitchen Ventilation fans; flexible connections between inlet/outlet and ductwork; galvanized steel casings and insulation; electrical cable supply and connection all as described in Specification				
	VI.2.22.1 KEF-1; 8800 CFM		no		
	VI.2.22.2 ADD- KEF-1; 1400 CFM		no		
	VI.2.22.3 KEF-2; 6500 CFM		no		
	VI.2.23 Duct and Duct Accessories				
	<i>Black steel (B.I.) duct with liquid tight continuous welded joints duct access door and fire and heat resistant flanged joints and all necessary</i>				
	VI.2.23.1 Gauge 16; 1.2mm thick rectangular duct		m2		
	VI.2.24 Duct Insulation				
	VI.2.24.1 50 mm Thick rockwool insulation; 48 kg/m3 density; 2 in. thick wrapped with 20 mm thick fiber silicate board by "PROMAT" or approved equivalent; fixing with approved adhesive		m2		
	VI.2.25 Kitchen air grilles				
	VI.2.25.1 400 x 400 mm		no.		
	VI.2.26 Kitchen steel air louvers; complete with wire mesh & insect screen				
	VI.2.26.1 1000 x 500 mm		no.		
	VI.2.26.2 1000 x 400 mm		no.		
	VI.2.26.3 500 x 300 mm		no.		
	Galvanized steel fire dampers				
	1000 x 500 mm		no.		
	Grease Box		no.		
	VI.2.27 Silencers for Kitchen Ventilation fans				
	VI.2.27.1 1000 x 500 mm		no.		
	VI.2.27.2 1000 x 400 mm		no.		
	VI.2.27.3 500 x 300 mm		no.		
	VI.2.28 Electrical & Controls				
	<i>Electrical & Controls to equipment</i>				
	VI.2.28.1 KEF-1; 8800 CFM		no.		

	VI.2.28.2 ADD - KEF-1; 1400 CFM		no.		
	VI.2.28.3 KEF-2; 6500 CFM		no.		
	VI.2.28 Smoke Ventilation fans; flexible connections between inlet/outlet and ductwork; galvanized steel casings and insulation; electrical cable supply and connection all as described in Specification				
	VI.2.28.1 SEF-1; 45000 CFM w/c VFD Drive		no.		
	VI.2.29 Duct and Duct Accessories				
	<i>Galvanized steel sheet ductwork and fittings; SMACNA construction standard; acrylic coating with anti-microbial agent completed as described in Specification</i>				
	VI.2.29.1 Gauge 18; 1.0mm thick rectangular duct				
	VI.2.30 Smoke air grille; complete with wire mesh & insect screen				
	VI.2.30 .1 1600 x 500mm		no		
	VI.2.30 .2 1600 x 1200mm		no		
	VI.2.30 .3 Linear Air Grille 150mm width		m		
	VI.2.31 Motorized Damper				
	VI.2.31.1 1400 x 500 mm		no		
	VI.2.32 Galvanized steel fire dampers				
	<i>Fire dampers; 1 - 1/2-hour fire rated; to rectangular ducts</i>				
	VI.2.32.1 1400 x 500 mm		no		
	VI.2.33 Electrical & Controls				
	<i>Electrical & Controls to equipment</i>				
	VI.2.33.1 SEF-1; 45000 CFM w/c VFD Drive		no.		
	VI.2.33.2 Motorized damper		no.		
	VI.2.33.3 Staircase Pressurization Ventilation fans; flexible connections between inlet/outlet and ductwork; galvanized steel casings and insulation; electrical cable supply and connection all as described in Specification		no.		
	VI.2.34 Duct and Duct Accessories				
	<i>Galvanised steel sheet ductwork and fittings; SMACNA construction standard; acrylic coating with anti-</i>				

	<i>microbial agent completed as described in Specification</i>				
	Gauge 18; 1.0mm thick rectangular duct		no.		
	Gauge 20; 0.80mm thick rectangular duct		no.		
VI.1.3	VARIABLE REFRIGERANT FLOW AIR CONDITIONING SYSTEM				
	Equipment (Install Only; OSM equipment)				
	VRV; 4.5 TR (Daikin RXQ6AYM)		no		
	VRV; 6.0 TR (Daikin RXQ8AYM)		no		
	VRV; 8.0 TR (Daikin RXQ10AYM)		no		
	VRV; 9.5 TR (Daikin RXQ12AYM)		no		
	VRV; 11.5 TR (Daikin RXQ14AYM)		no		
	VRV; 13.0 TR (Daikin RXQ16AYM)		no		
	VRV; 14.5 TR (Daikin RXQ18AYM)		no		
	VRV; 16.0 TR (Daikin RXQ20AYM)		no		
	Equipment (Supply and Install)				
	VI.1.3 .1 VRV; 3.0 TR (Daikin RXMQ4AVE)		no		
	VI.1.3 .2 VRV; 4.5 TR (Daikin RXQ6AYM)		no		
	VI.1.3 .3 VRV; 6.0 TR (Daikin RXQ8AYM)		no		
	VI.1.3 .4 VRV; 8.0 TR (Daikin RXQ10AYM)		no		
	VI.1.3 .5 VRV; 9.5 TR (Daikin RXQ12AYM)		no		
	VI.1.3 .6 VRV; 11.5 TR (Daikin RXQ14AYM)		no		
	VI.1.3 .7 VRV; 13.0 TR (Daikin RXQ16AYM)		no		
	VI.1.3 .8 VRV; 14.5 TR (Daikin RXQ18AYM)		no		
	FCU Type (OSM install only)				
	FCU-8; 1.5 TR; Wall mounted free blow		no		
	FCU-9; 2.0 TR; Wall mounted free blow		no		
	FCU-6; 2.0 TR; Ceiling suspended free blow		no		
	FCU-7; 3.0 TR; Ceiling suspended free blow		no		
	FCU-1; 1.5 TR; 4-Way ceiling cassette free blow		no		
	FCU-2; 2.0 TR; 4-Way ceiling cassette free blow		no		

	FCU-3; 2.5 TR; 4-Way ceiling cassette free blow		no		
	FCU-4; 3.0 TR; 4-Way ceiling cassette free blow		no		
	VI.1.3.9 FCU-5; 4.0 TR; 4-Way ceiling cassette free blow		no		
	FCU Type (Supply and Install):-				
	VI.1.3 .10 FCU-10; 0.6 TR; Wall mounted free blow		no		
	VI.1.3 .11 FCU-11; 0.8 TR; Wall mounted free blow		no		
	VI.1.3 .12 FCU-8; 1.2 TR; Wall mounted free blow		no		
	VI.1.3 .13 FCU-8; 1.5 TR; Wall mounted free blow		no		
	VI.1.3 .14 FCU-9; 2.0 TR; Wall mounted free blow		no		
	VI.1.3 .15 FCU-6; 2.0 TR; Ceiling suspended free blow		no		
	VI.1.3 .16 FCU-7; 3.0 TR; Ceiling suspended free blow		no		
	VI.1.3 .17 FCU-13; 1.2 TR; 2-Way ceiling cassette free blow		no		
	VI.1.3 .18 FCU-1; 1.5 TR; 4-Way ceiling cassette free blow		no		
	VI.1.3 .19 FCU-2; 2.0 TR; 4-Way ceiling cassette free blow		no		
	VI.1.3 .20 FCU-3; 2.5 TR; 4-Way ceiling cassette free blow		no		
	VI.1.3 .21 FCU-4; 3.0 TR; 4-Way ceiling cassette free blow		no		
VI.3	PIPES AND FITTINGS GRILLES DUCTS AND LOUVERS (Including Consumables Hangers and supports)				
	VI.3.1 PVC PIPES (Including Fittings)				
	<i>Refrigerant piping including insulation for the above vertical, horizontal and expose installation as per drawings and technical specification:</i>				
	VI.3.1.1 12.7mm (S)/9.52mm (L)		m		
	VI.3.1.2 15.88mm (S)/9.52mm (L)		m		
	VI.3.1.3 19.05mm (S)/12.7mm (L)		m		
	VI.3.1.4 22.20mm (S)/19.05mm (L)		m		
	VI.3.1.5 28.58mm (S)/15.88mm (L)		m		
	VI.3.2 Refnet Fittings				

	VI.3.2.1 15.88mm (S)/9.52mm (L)		no		
	VI.3.2.2 19.05mm (S)/12.7mm (L)		no		
	VI.3.2.3 22.20mm (S)/19.05mm (L)		no		
	VI.3.2.4 28.58mm (S)/15.88mm (L)		no		
	VI.3.3 Fittings (male copper adopter)				
	VI.3.3 .1 12.7mm (S)/9.52mm (L)		no		
	VI.3.3 .2 15.88mm (S)/9.52mm (L)		no		
	VI.3.3 .3 19.05mm (S)/12.7mm (L)		no		
	VI.3.3 .4 22.20mm (S)/19.05mm (L)		no		
	VI.3.3 .5 28.58mm (S)/15.88mm (L)		no		
	VI.3.4 VRV refrigerant		lot		
	VI.3.5 Condensate Drain Pipe				
	<i>PVC pipes; BS 3505 class D or PVC blue pressure pipe; complete with all necessary hangers and supports; as described in Specifications</i>				
	VI.3.5 .1 25mm diameter		m		
	VI.3.5 .2 32mm diameter		m		
	VI.3.5 .3 40mm diameter		m		
	VI.3.5 .4 50mm diameter		m		
	VI.3.6 Electrical power & control wiring				
	VI.3.6.1 VRV; 3.0 TR (Daikin RXMQ4AVE)		no		
	VI.3.6.2 VRV; 4.5 TR (Daikin RXQ6AYM)		no		
	VI.3.6.3 VRV; 6.0 TR (Daikin RXQ8AYM)		no		
	VI.3.6.4 VRV; 8.0 TR (Daikin RXQ10AYM)		no		
	VI.3.6.5 VRV; 9.5 TR (Daikin RXQ12AYM)		no		
	VI.3.6.6 VRV; 11.5 TR (Daikin RXQ14AYM)		no		
	VI.3.6.7 VRV; 13.0 TR (Daikin RXQ16AYM)		no		
	VI.3.6.8 VRV; 14.5 TR (Daikin RXQ18AYM)		no		
	VI.3.6.9 VRV; 16.0 TR (Daikin RXQ20AYM)		no		
	SUB-TOTAL : MECHANICAL WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
VII.	FIRE PROTECTION WORKS				
VII.1	BLACK IRON PIPES AND FITTINGS				
	VII.1.1 BI Straight Pipes Schedule 40 (Including fittings Supports (full thread hangers) and Paintings)				
	VII.1.1.1 32mm ø		lm		
	VII.1.1.2 25mm ø		lm		
VII.2	VALVES AND ACCESSORIES				
	VII.2.1 Inspector Test Valve		pc/s		
VII.3	SPRINKLER HEADS				
	VII.3.1 Pendent / recessed type		pc/s		
	VII.3.2 Upright		pc/s		
VII.4	FIRE HOSE CABINETS/FIRE EXTINGUISHER				
	VII.4.1 HCFC 123 10 lbs		pc/s		
	VII.4.2 CO2 10 lbs		pc/s		
	VII.4.3 CO2 20 lbs		pc/s		
	VII.4.4 CO2 50 lbs Wheeled Type		pc/s		
VII.5	SPECIALTY WORKS*				
	VII.5.1 Complete Supply and Installation of Waterless Fire Protection System complete with equipment's fittings and accessories as per Drawing Details and Specifications (including the Testing and Commissioning)		lot		
	SUB-TOTAL : FIRE PROTECTION WORKS				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
VIII	LOOSE FURNITURES, APPLIANCES AND EQUIPMENTS				
VIII.1	FURNITURE				
	VIII.1.1 Workstations		lot		
	VIII.1.2 Filing Cabinets		lot		
	VIII.1.3 Single Tables		lot		
	VIII.1.4 Executive Tables		lot		
	VIII.1.5 Cabinet		lot		
	VIII.1.6 Group Study Table		lot		
	VIII.1.7 Cadenza Back		lot		
	VIII.1.8 Meeting Table		lot		
	VIII.1.9 Center Tables		lot		
	VIII.1.10 Press Conference Table		lot		
	VIII.1.11 Media Conference Table		lot		
	VIII.1.12 Board Room		lot		
	VIII.1.13 Training Table		lot		
	VIII.1.14 Side Table		lot		
	VIII.1.15 Pantry Tables		lot		
	VIII.1.16 Reception Counters		lot		
	VIII.1.17 Beds		lot		
	VIII.1.18 Closet		lot		
	VIII.1.19 Kitchen Cabinets		lot		
	VIII.1.20 Metal Rack		lot		
VIII.2	CHAIRS				
	VIII.2.1 VIP/Executive Chairs		lot		
	VIII.2.2 Supervisorial Chairs		lot		
	VIII.2.3 Staff/Common Chairs		lot		
VIII.3	APPLIANCES				
	VIII.3.1 White Goods				
	VIII.3.1.1 Microwave Oven		unit/s		
	VIII.3.1.2 One Door Refrigerator		unit/s		
	VIII.3.1.3 Range and Rangehood		unit/s		
	VIII.3.1.4 Hand Dryer		unit/s		
	VIII.3.1.5 Water Heater		unit/s		
VIII.4	GYM EQUIPMENTS (7F AND 23F)				
	VIII.4.1 Treadmill		set/s		
	VIII.4.2 Dumbells with dumbell rack		set/s		
	VIII.4.3 Stationary Bicycle		set/s		
	VIII.4.4 Recumbent Bike		set/s		
	VIII.4.5 Cross trainer		set/s		
	VIII.4.6 Adjustable Bench		set/s		
	VIII.4.7 Weight Storage Rack		set/s		

	VIII.4.8 Weight Plates		set/s		
	VIII.4.9 Multi-function Gym System		set/s		
	VIII.4.10 Yoga Mat Black		set/s		
VIII.5	OTHER EQUIPMENTS				
	VIII.5.1 X-Ray Machine		unit		
	VIII.5.2 Metal Detector		unit		
	SUB-TOTAL : LOOSE FURNITURES, APPLIANCES AND EQUIPMENTS				

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BILL OF QUANTITIES					
ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL COST
IX.	LANDSCAPE WORKS				
IX.1	CIVIL WORKS				
	IX.1.1 Paved Areas				
	IX.1.1.1 Concrete 3000psi		cum		
	IX.1.2 Flagpole		no		
IX.2	SOFTSCAPES				
	IX.2.1 Planting Preparation				
	Surface preparation lay-out and staking		sqm		
	Planting Areas		sqm		
	IX.2.2 Drainage and Irrigation				
	Quick Coupling Valve		pcs		
	Rotary Nozzle (Automatic Irrigation)		pcs		
	Area Drain		pcs		
	Planter Drain		pcs		
	Lawn Area Drain		pcs		
	Decorative Trench Drain		lm		
	Waterline Perforated Pipe		lm		
	IX.2.3 Plants Trees and Shrubs				
	<u>TREES</u>				
	Alstonia scholaris - DITA 6.0 M HT. 2.5 M SPREAD 1.5.M BRANCHING HT. 4" CALIPER. AS SHOWN ESTABLISHED		pcs		
	<u>PALM</u>				
	Livistonia rotundifolia - ANAHAW2.0-3.0M HT. 2.0-2.5M SPREADAS SHOWN MIN 8 FRONDS		pcs		
	<u>ACCENT PLANT</u>				
	Cycas revoluta - OLIVA600-800mm HT. 600-1.0mm DIA AS SHOWN		pcs		
	<u>TALL SHRUBS</u>				
	Calathea lutea - TOBAKO PLANT1200mm HT. 600mm SPREAD SPACED @ 600mm O.C.		pcs		
	Podocarpus macrophyllus - MAKI1200mm HT. 600mm SPREAD SPACED @ 500mm O.C.		pcs		
	Ficus lyrata - FIDDLE LEAF FIG1000mm HT. 600mm SPREAD SPACED @ 500mm O.C.		pcs		
	<u>MEDIUM SHRUBS</u>				
	Rhapis excelsa - DWARF RHAPIS800mm HT. 600mm SPREAD SPACED @ 400mm O.C.		pcs		

Philodendron selloum - SELLOUM500mm HT. 600mm SPREAD SPACED @ 400mm O.C.	pcs		
Hymenocallis speciosa - SPIDER LILY500mm HT. 300mm SPREAD SPACED @ 300mm O.C.	pcs		
Syzygium myrtifolium - ORANGE EUGENIA500mm HT. 300mm SPREAD SPACED @ 300mm O.C.	pcs		
Schefflera arboricola variegata - SCHEFFLERA450mm HT. 500mm SPREAD @ 400mm O.C.	pcs		
Tabernaemontana pandacaqui 'silver' - SILVER PANDAKAKI400mm HT. 500mm SPREAD @ 400mm O.C.	pcs		
Murraya paniculata - KAMUNING400mm HT. 300mm SPREAD SPACED @ 300mm O.C.	pcs		
<u>LOW SHRUBS/ GROUNDCOVERS</u>			
Philodendron xanadu - XANADU300mm HT. 150mm SPREAD SPACED @ 300mm O.C.	pcs		
Aglaia odorata - SINAMOMO300mm HT. 150mm SPREAD SPACED @ 300mm O.C.	pcs		
Osmoxylon lineare - GOLDEN MIAGOS300mm HT. 150mm SPREAD SPACED @ 300mm O.C.	pcs		
Excoecaria cochinchinensis variegata - PICARRA250mm HT. 200mm SPREAD SPACED @ 200mm O.C.	pcs		
Carmona retusa - FOOKIEN TI250mm HT. 200mm SPREAD SPACED @250mm O.C.	pcs		
Nephrolepis exaltata - BOSTON FERN250mm HT. 300mm SPREAD SPACED @ 250mm O.C.	pcs		
Pilea nummularifolia - CREEPING CHARLIE100mm HT. 100mm SPREAD @100mm O.C.	pcs		
<u>VINES</u>			
Piper betle - BETEL VINEBAG NO. 12	pcs		
Tarlmolinia elliptica - SINGAPOREAN VINEBAG NO. 12	pcs		
<u>LAWN</u>			
Axonopus compressus - FROG GRASSSODDED	sqm		

	<u>OTHERS</u>				
	GARDEN SOIL - 4" AVERAGE DEPTH		cum		
IX.3	HARDSCAPES				
	IX.3.1 Floor Finishes				
	300mm X 300mm X 20mm THK granite Tile Color: Super Black		m2		
	100mm X 100mm X 20mm THK. granite Tile Color: Copper Stone		m2		
	100mm X 100mm X 20mm THK. granite Tile Color: Autumn		m2		
	100mm X 100mm X 20mm THK. granite Tile Color: Pigeon Gray		m2		
	Textured Concrete Ribbed Finish		m2		
	Textured Concrete Smooth Finish		m2		
	Artificial Turf Victoria PX2 35mm Pile Height Color: Emerald & Olive Bi-Color		m2		
	EPDM Rubber Polymeric Rubber Crumb Color: Green White and Red		m2		
	Plastered Concrete Paint Finish Color: Beige		m2		
	IX.3.2 Planter Finishes				
	300mm X 300mm X 20mm THK. Granite Flamed Finish Color: New Impala		m2		
	600mm X 600mm X 20mm THK. Stone Tile Polished Finish Color: Charcoal		m2		
	IX.3.3 Water Feature Finishes				
	25mm X 25mm X 10mm THK. Granite Flamed Finish Color: Black		m2		
	IX.3.4 Flagpole Pedestal Finish				
	300mm X 300mm X 20mm THK. Pool Tile Mosaico Line Color: Salt and Pepper		m2		
	IX.3.5 Bench Finish				
	300mm X 300mm X 20mm THK. Granite Stone Color: Almond Beige		m2		
	IX.3.6 Lighting				
	Street light Theos 70 LED 35W 4000K 4304 lm Die Cast Aluminum Body Housing and Post (5m ht.) Painted black IP66 Color: Anthracite/ Black		pcs		

	Surface Mounted Light Mimik 20 Flat BIP 65 Class I LED Polyester Powder-Painter Die-Cast Aluminum Housing Silicon Gascet 220/240V 50/60HZ with Safety Transformer		pcs		
	Step Light Insert +1 LED 6W 3000K Die Cast Aluminum Body Turnable on 1 Axis Anti-Corrosion Treatment IP65 Color: Anthracite Gray		pcs		
	Bollard Light Kha Slim 93 LED C/EW 11.5W Class II IP66 3000K Extra pure polished aluminum reflectors Light source lumen output: 914LM Luminaire lumen output: 182LM Lifetime: 50000H Percent lumen depreciation: L70		pcs		
	Uplight Pixie Ground Mini LED 15W 3000K Die-Cast Aluminum Body Turnable on 1 Axis Anti-Corrosion Treatment IP-65 Color: 2020103 Anthracite / Blac		pcs		
	Spot Light Guell 1A/W LED 53W 4000K Die-Cast Aluminum Body Turnable on 1 Axis Anti-Corrosion Treatment IP-6 Color: GR-94 Metallic Gray		pcs		
	Wall Light Twist Wall LED 10W 3000K Die-Cast Aluminum Body Anti-Corrosion Treatment IP54 Color: 2020103 Anthracite / Black		pcs		
	Ceiling Pinlight Venn Suspended 370/2100 Lumens 47W 2700K CRI80 220-240VAC 50-60Hz IP20 Aluminum Powder coated Opal PMMA Cover Direct/ Indirect		pcs		
	Recessed Wall Light Insert +2 LED 10W Insulation Class I IP65 3000K Optic: Asymmetric Wide Reflector Light Source Lumen Output: 1170LM Luminaire Lumen Output: 430LM Lifetime: 60000H Percent Lumen Depreciation: L80 Color: Anthracite / Back By: Performance in Lighting or any approved equivalent		pcs		
	Integrated Water Jet with LED Lights Colors: RGB		pcs		

	Guell 2.5 LED 166W 5000K 220-240V 20915LM Anti-Corrosion Treatment IP66 CRI 65 Color: GR-94 Metallic Gray		pcs		
	IX.3.7 Trellised Walkway				
	300mm X 300mm X 2500mm Ht. Post Paint Finish Color: Beige		sqm		
	200mm x 100mm Beam Paint Finish Color: Dark Brown		sqm		
	50mm (H) X 100mm (W) x 4000mm (L) Purlin Paint Finish Color: Dark Brown		pcs		
	Twin Wall Polycarbonate Sheet Color: Blue		sqm		
IX.4	SPECIALTY WORKS				
	IX.4.1 Interactive water fountain		sqm		
	SUB-TOTAL: LANDSCAPE WORKS				

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SAMPLE DETAILED UNIT PRICE ANALYSIS (DUPA)

(Project Title)					
(Location)					
Detailed Unit Price Analysis					
Item No./Description					
Unit of Measurement					
Output per hour					
A	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (PhP)
	Labor				
	Sub -total (A)				
B	Name and Capacity	No. of Unit/s	No. of Hour/s	Hourly Rate	Amount (PhP)
	Equipment				

	Sub-total (B)				
C	Total (A+B)				
D	Output per hour				
E	Direct Unit Cost (C÷D)				
F	Name and Specifications	No. of Unit/s	Unit	Unit Cost	Amount (PhP)
	Materials				
	Sub-total (F)				
G	Direct Unit Cost (E+F)				
H	Overhead, Contingencies, and Mark-up (OCM)				
I	Contractor's Profit				
J	Value Added Tax				
K	Total Unit Cost				

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Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

1. Legal Documents

- Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

2. Technical Documents

Technical Forms	Particular/s
Form 1	Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid
Form 2	Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules
Form 3	Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid
Form 4	Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration;
Form 5	Project Requirement (a) Organizational chart for the contract to be bid
Form 6	Project Requirement (b) List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data; Note: - Refer to the template to be used the listings/summary of key personnel to be assigned to the project if the contract was awarded - This includes the CV of the proposed personnel together with their respective licenses as required in the Terms of Reference (TOR) of the project (please attached format/template)
Form 7	Project Requirement c) List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be

	<p>Note:</p> <ul style="list-style-type: none"> - Refer to the template to be used for the listings/summary of minimum major equipment required for the project (reference: Bid Data Sheet, ITB Clause 10.5)
Form 8	Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

3. Financial Documents

- The prospective bidder's computation of Net Financial Contracting Capacity (NFCC)
- The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission

*Financial Component Envelope

<i>Financial Forms</i>	<i>Particular/s</i>
Form 1	Original of duly signed and accomplished Financial Bid Form;
Form 2	Original of duly signed Bid Prices in the Bill of Quantities
Form 3	Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid
Form 4	Cash Flow of Quarter
Form 5	Summary of Costs

Class "B" Documents

- If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence; or 100 duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

