

PHILIPPINE BIDDING DOCUMENTS

Negotiated Procurement for the Construction of Fit-Out and Other Works-to-Complete of the Philippine Statistics Authority (PSA) 23-storey Building

**Under Negotiated Mode of Procurement
due to Two Failed Biddings**

Approved Budget of the Contract (ABC) – PhP 1,575,000,000.00

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Section I. Invitation to Bid



REPUBLIC OF THE PHILIPPINES
PHILIPPINE STATISTICS AUTHORITY

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

1. In view of the two-failed biddings for the project, the **Philippine Statistics Authority** Bids and Awards Committee (PSA-BAC) invites interested bidders to participate in the **Negotiated Procurement for the Construction of Fit-Out and Other Works-to-Complete of the Philippine Statistics Authority (PSA) 23-Storey Building** through a **Two-Year Multi-Year Contract Authority (MYCA) for FY 2022-2023** with an Approved Budget of the Contract (ABC) of **One Billion Five Hundred Seventy-Five Million Pesos (PhP 1,575,000,000.00)** in accordance with Section 53.1 (Two Failed Biddings) as specified in the 2016 IRR of RA 9184. Bid offers received in excess of the ABC shall be automatically rejected.
2. The description of an eligible bidder is provided in Section 23.4.2.1 of the 2016 IRR of RA 9184.
3. Bidders should have completed a similar contract equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's Construction Materials Retail Price Index (CMRPI), except under conditions provided for in Section 23.4.2.4. of the 2016 revised IRR of RA 9184.

For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work as follows:

SCOPE OF WORKS	DESCRIPTION
1. General Requirements	<ol style="list-style-type: none">1. Mobilization2. Permits and Licenses3. Temporary Facilities4. Temporary Utilities5. Site Supervision/Management6. Safety and Security7. Bonds and Insurances8. As-Built Drawings and Shop Drawings9. Quality Control / Testing & Commissioning10. Site Clearing and Demobilization11. 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 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: 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: a. Auxiliary i. Fire Detection and Alarm System (FDAS) ii. Community Antenna Television (CATV) System

	<ul style="list-style-type: none"> iii. Public Address and Background Music (PA/BGM) System iv. Telephone System v. Closed-Circuit Television (CCTV) System
7. Network/Cabling Works	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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 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	1. Supply and Installation of Electrical System for Photovoltaic Glass Wall 2. Parking Management and Building Traffic System
13. Furniture, Equipment, and Appliances	1. Supply, Delivery, and Installation of Furniture, Equipment, and Appliances

4. Bidders should affix their signature on each submitted document page.
5. The contract is expected to be completed in Seven Hundred Thirty-One (731) Calendar Days from the receipt of the Notice to Proceed (NTP). Please refer to the Schedule of Delivery.
6. First time bidders are enjoined to pay the applicable fee of PhP 75,000.00. However, for those bidders who have participated previously need not pay the aforementioned fee.
7. Bidders who have been disqualified from the previous biddings due to “Conflict of Interest”, submission of bids containing erroneous/false information, and those who may have committed any offense or violation listed under Sanctions and Grounds for Blacklisting as stated in Section 4, Appendix 17 of the 2016 IRR of RA 9184 as well as those who may have been involved in coercive, collusive, corrupt, and/or fraudulent practices as defined in the 2016 IRR of RA 9184 will not be allowed to participate the Negotiated Procurement at hand.
8. The schedule of activities for this procurement under Negotiated Procurement due to Two Failed Biddings is as follows:

Activity	Schedule	Time	Remarks
Pre-Negotiation Conference	28 November 2022	10:00 AM	via Zoom Platform
Last Day of Submission of Queries	29 November 2022	n/a	n/a
Submission of Bid Proposals	02 December 2022	9:00 AM	Bid must be submitted physically at the prescribed address
Opening of Bid Proposals	02 December 2022	10:00 AM	via Zoom Platform

Note: Late Bids shall not be accepted.

9. 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***

10. 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
Philippine Statistics Authority*

Section II. Schedule of the Delivery of Requirements

No.	Activities/Works	Floor Level	Calendar Days	Total Duration
First 365 Calendar Days Scope of Works (Year 1)				
1.	Site Inspection		7 Calendar Days	365 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: - 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	
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	Ground Floor		

	<ul style="list-style-type: none"> • Security Office • Elevator Lobby • U/A Rooms • Auxiliary Rooms • Electrical Room 			
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 	16 th Floor		
6e.	<ul style="list-style-type: none"> • Industry Statistics Division • Services Statistics Division • Price Statistics Division 	17 th Floor		

	<ul style="list-style-type: none"> • 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 			
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 	19 th Floor		

	<ul style="list-style-type: none"> • 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) • 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 	20 th Floor		

	<ul style="list-style-type: none"> • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • 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 • Elevator Lobby 	22 nd Floor		

	<ul style="list-style-type: none"> • 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	7 th 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	30 Calendar Days		
16.	Punch Listing, and Testing and Commissioning			
17.	Include Hardware Acceptance Testing (HAT)			
18.	Full Knowledge Transfer			
19.	Rectification Works based on Punch List	30 Calendar Days		
20.	Partial Project Acceptance and Turnover	7 Calendar Days		
Second 366 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			

	<ul style="list-style-type: none"> - 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 • Clean Linen • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	8 th Floor		
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 	9 th Floor		

	<ul style="list-style-type: none"> • Lounge/ Reception Area 			366 Calendar Days
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 • 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 	11 th Floor		
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 	12 th Floor		

	<ul style="list-style-type: none"> • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 			
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 • Lounge/ Reception Area 	14 th Floor		
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 	24 th Floor		

	<ul style="list-style-type: none"> • Server Room • Lounge/ Reception Area 			
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)			
26.	Application of Full Occupancy Permit			
27.	Punch Listing, and Testing and Commissioning			
28.	Include Hardware Acceptance Testing (HAT)			
29.	Full Knowledge Transfer			
30.	Rectification Works based on Punch List		30 Calendar Days	
31.	Site Clearing, Pullout, and Demobilization		14 Calendar Days	
32.	Full Project Acceptance and Turnover		7 Calendar Days	

Section III. Terms of Reference

Negotiated Procurement for the Construction of Fit-Out and Other Works-to-Complete of the Philippine Statistics Authority (PSA) 23-storey Building

I. BACKGROUND AND OBJECTIVE

The PSA 23-storey Building is envisioned to be state-of-the-art (smart) yet economical, energy-saving, ergonomic, and environment-friendly. Contractor/s shall be engaged based on their proven expertise, experience, capability, and cost of services.

II. BASIC INFORMATION

- Site: PSA Complex, East Avenue, Diliman Quezon City
48,998.40 square meters (PSA Office Building)
- Approx TFA: 24,836.00 square meters (Floor Area for Fit-Out)
+ 1,484.60 square meter (Landscape Works)
- Type of Building: Twenty-Three (23) Storey with Covered Roof Deck
Reinforced Concrete
- Use/Occupants: The office building will be occupied by the Office of the National Statistician and Civil Registrar general and the various statistical offices including the PhilSys Registry Office (PRO) and Civil Registration Central Support Offices (CRCSO). The building will also support various facilities such as the transient stock quarters (hostel), conference rooms, library, canteen, and other amenities.

III. SCOPE OF SERVICES

For this purpose, contracts similar to the Project refer to contracts that have the same major categories of work, which shall be:

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 (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 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: 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) 2. Testing and Commissioning of Electrical Works
6. Auxiliary Works	1. Supply, Delivery, Installation, and Configuration: a. Auxiliary i. Fire Detection and Alarm System (FDAS) ii. Community Antenna Television (CATV) System

	<ul style="list-style-type: none"> iii. Public Address and Background Music (PA/BGM) System iv. Telephone System v. Closed-Circuit Television (CCTV) System <ol style="list-style-type: none"> 2. Testing and Commissioning of Auxiliary Works 3. Knowledge Transfer
7. Network/Cabling Works	<ol style="list-style-type: none"> 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) 2. Testing and Commissioning of Network/Cabling System 3. Knowledge Transfer
8. Building Management System (BMS)	<ol style="list-style-type: none"> 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 g. Master Control of Mechanical, Electrical, Fire Protection, and Plumbing & Sanitary (MEFPS) h. Sewage Treatment Plant 2. Testing and Commissioning of Building Management System 3. Knowledge Transfer
9. Mechanical Works	<ol 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. Testing and Commissioning of Air-conditioning system 4. 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

	<ul style="list-style-type: none"> d. Ventilation fans duct connection 5. Testing and Commissioning of Ventilation Systems 6. Handover system completed and operational
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. Supply and Installation of Fire Extinguisher 4. Leak test of fire protection system 5. Testing and Commissioning of Fire Protection System
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 2. Testing and Commissioning of Plumbing and Sanitary Works
12. Specialty Works	<ul style="list-style-type: none"> 1. Supply and Installation of Electrical System for Photovoltaic Glass Wall 2. Testing and Commissioning of Electrical System for Photovoltaic Glass Wall 3. 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

IV. DELIVERABLES AND TIMELINE

No.	Activities/Works	Floor Level	Calendar Days	Total Duration
First 365 Calendar Days Scope of Works (Year 1)				
1.	Site Inspection		7 Calendar Days	365 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 			
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 	10 th Floor		
			248 Calendar Days	

	<ul style="list-style-type: none"> • Identity Validation and Investigation Division (IVID) • Consultant's Rooms/Board Rooms • Reception/ Lounge • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 			
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) • OANS-NCSS Staff Office • Office of Assistant National Statistician for Standards Service (OANS-SS) • OANS-SS Staff Office • Conference Halls • Storage Rooms 	19 th Floor		

	<ul style="list-style-type: none"> • 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 • Electrical Room • Server Room 	20 th Floor		
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- 	21 st Floor		

	<p>Economic Accounts Service (OANS-MAS)</p> <ul style="list-style-type: none"> • OANS-MAS Staff Office • Conference Halls • Storage Rooms • Meeting Rooms • Pantry Area • Lactating Room • Prayer Room • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 			
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 • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room 	22 nd Floor		
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 	23 rd Floor		

	<ul style="list-style-type: none"> • Office of the Deputy National Statistician for Civil Registration and Central Support Office (ODNS-CRCSO) • ODNS-CRCSO 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 			
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		30 Calendar Days	
16.	Punch Listing, and Testing and Commissioning			
17.	Include Hardware Acceptance Testing (HAT)			
18.	Full Knowledge Transfer			
19.	Rectification Works based on Punch List		30 Calendar Days	
20.	Partial Project Acceptance and Turnover		7 Calendar Days	
Second 366 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	7 th Floor	286 Calendar Days	

	<ul style="list-style-type: none"> • Auxiliary Rooms • Electrical Room • Server Room 			
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 • Clean Linen • Elevator Lobby • Auxiliary Rooms • Electrical Room • Server Room • Lounge/ Reception Area 	8 th Floor		
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 	11 th Floor		366 Calendar Days

	<p>Case Development and Management Service (OANS-UCDMS)</p> <ul style="list-style-type: none"> • Office of the Assistant National Statistician for Registration Operation Service (OANS-ROS) • OANS-UCDMS & OANS-ROS Staff Office • 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 	14 th Floor		

	<ul style="list-style-type: none"> • Auxiliary Rooms • Electrical Room • Server Room • 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)			

26.	Application of Full Occupancy Permit	30 Calendar Days	
27.	Punch Listing, and Testing and Commissioning		
28.	Include Hardware Acceptance Testing (HAT)		
29.	Full Knowledge Transfer		
30.	Rectification Works based on Punch List	30 Calendar Days	
31.	Site Clearing, Pullout, and Demobilization	14 Calendar Days	
32.	Full Project Acceptance and Turnover	7 Calendar Days	

V. DURATION OF THE CONTRACT

The Construction Works will cover SEVEN HUNDRED THIRTY-ONE (731) CALENDAR DAYS or Twenty-Four (24) Months starting from receipt of the Notice to Proceed (NTP).

1. First 365 Calendar Days Scope of Works (Year 1)
2. Second 366 Calendar Days Scope of Works (Year 2)

VI. STANDARD OF SERVICES

The Contractor/s shall undertake the construction services by utilizing its technical knowledge and best-accepted professional standards. The Contractor/s shall carry out the services based on sound architectural, engineering, and landscape methodologies and practices to ensure that the final works will provide the most economical, “smart” and feasible fit-out for the project. Further, the Contractor/s shall provide an adequate number of personnel of known qualifications and experience.

VII. CONTRACTOR/S REQUIREMENTS

A local Construction firm with experience in the construction of Fit-Out Works particularly on office spaces with the following minimum qualifications:

1. Must be operational and engaged as an Office Fit-Out Construction firm for at least twenty (20) years;
2. Must have satisfactorily completed a contract for a similar project with magnitude and complexity at least equivalent to the proposed project;

3. Must have experience in Testing and Commissioning and conduct of Knowledge Transfer in all major components of the projects;
4. Projects involving Network/Cabling Works must have at least Fifty Million Pesos (PhP 50,000,000.00);
5. The contractor/s must likewise pass eligibility requirements under Section 23 of Republic Act 9184, otherwise known as the Government Procurement Reform Act and its Revised Implementing Rules and Regulations (IRR);
6. Must provide Value Engineering Analysis;
7. Philippine Contractors Accreditation Board (PCAB) should be License Category AAA – Size Range Large B;
8. Must provide certification as an authorized and certified Daikin Installer;
9. Must have manufacturing plant for the following:
 - a. Wood working for joineries, cabinetries, doors, and jambs
 - b. Production of metal works

VIII. PERSONNEL QUALIFICATION REQUIREMENTS

Key Position/s	Minimum Years of experience in such positions	Valid (unexpired) License/ Certification Required
1. Project Manager	Five (5) years	PRC and UAP or PICE (United Architects of the Philippines; Philippine Institute of Civil Engineers)
2. Construction Manager	Five (5) years	PRC and UAP or PICE (United Architects of the Philippines; Philippine Institute of Civil Engineers)
3. Project-in-Charge (PIC)	Three (3) years	PRC and PICE (Philippine Institute of Civil Engineers)
4. Landscape Architect	Three (3) years	PRC and PALA (Philippine Association of Landscape Architects)
5. Civil Engineer/ Structural Engineer	Five (5) years	PRC and PICE (Philippine Institute of Civil Engineers)

6. Registered Electrical Engineer	Three (3) years	PRC and IIEE (Institute of Integrated Electrical Engineers)
7. Electronics/Network Engineer	Three (3) years	PRC and CCNP/JNCIP Cisco Certified Network Professional or Juniper Network Certified Internet Professional or other equivalent certification
8. Registered Mechanical Engineer	Three (3) years	PRC and PSME (Philippine Society of Mechanical Engineers)
9. Registered Master Plumber	Three (3) years	PRC and NAMPAP (National Master Plumber Association of the Philippines)
10. Quality Assurance/ Quality Control Architect	Three (3) years	PRC
11. Quality Assurance/ Quality Control Civil Engineer	Three (3) years	PRC
12. Quality Assurance/ Quality Control Mechanical, Electrical, Fire Protection and Plumbing & Sanitary (MEFPS) Engineer	Three (3) years	PRC
13. Safety Officer	Three (3) years	PRC and Occupational Safety and Health (OSH) Training Certificate
14. CAD Draftsman	Three (3) years	Training Certificate
15. Administrative Officer	Two (2) years	PRC

The Contractor/s shall provide valid (unexpired) PRC ID and certification of active/good standing membership of their Accredited Professional Organization.

The Contractor/s shall provide additional personnel as may be required and pertinent to the accomplishment of the project in its entirety at no additional cost to the Procuring Entity (PE).

Except as otherwise agreed upon by the PE, the personnel for the project shall consist of those indicated in the Work Plan and List of Key Personnel submitted and no changes shall be made to the key staff. In the event any employee resigns, is discharge or withdrawn, the Contractor/s shall provide suitable personnel of equivalent or better qualification acceptable to the PE.

IX. ESTIMATED BUDGET FOR THE CONTRACT

A. FEE

For and in consideration of the faithful, satisfactory, and full performance of all the works and requirements, the PE agrees to pay the Contractor/s an amount not exceeding the Approved Budget for the Contract amounting to **ONE BILLION FIVE HUNDRED SEVENTY-FIVE MILLION PESOS (P1,575,000,000.00)** after observance of the required procedures in compliance with the Republic Act No. 9184 and Government Accounting and Auditing Manual.

X. TERMS OF PAYMENT

The payment scheme below shall be observed in the processing of payment.

Mode of Payment		Cumulative Percent Accomplishment	Percentage of the Contract Price
Year 1	Thirty Percent (30%) Completion of Construction Works	16.66%	15%
	Sixty Percent (60%) Completion of Construction Works	33.33%	15%
	Ninety Five Percent (95%) Substantially Completed Construction Works	49.99%	15%
Year 2	Thirty Percent (30%) Completion of Construction Works	66.66%	15%
	Sixty Percent (60%) Completion of Construction Works	83.33%	15%

	Ninety Five Percent (95%) Substantially Completed Construction Works	95%	15%
	Retention Fee	100%	10%
TOTAL			100%

The following documents must be submitted to the PE before processing payments to the Contractor:

- a. Progress Billing
- b. Detailed Statement of Work Accomplished (SWA)
- c. Request for payment by the Contractor
- d. Photographs of works accomplished

In consideration of the payment, the Contractor/s agrees and undertakes to execute and complete construction services and remedy any defects therein in conformity with the provisions of the Contract.

The Contractor/s shall also undertake to pay taxes in full and on time and that failure to do so will entitle the government to suspend payment for any services delivered.

XI. ADVANCE PAYMENT

Advance payment not exceeding fifteen percent (15%) shall be paid upon written request by the contractor and submission to and acceptance by the PE of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee, or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the PE.

In the event that the Contractor opts for payment in advance, the schedule of payment provided for under Section X shall be revised accordingly.

XII. RESPONSIBILITIES OF THE CONTRACTOR

1. Construction

- a. The Contractor shall undertake all works necessary for the Supply, Delivery, Installation, Configuration, and Construction of the Fit-Out project and other Works-to-Complete;

- b. The Contractor shall secure all clearances and permits necessary for the completion of the Project on its own account and expense;
- c. The Contractor shall verify existing drawings/plans, Bill of Quantities (BOQ), and Technical Specifications that were the bases for the Fit-Out Construction, ICT Network System and make sure that all works conform with regulatory requirements;
- d. The Contractor shall provide and apply for temporary utilities (electrical, water, internet, etc.) for its use during the duration of the project for the expense of the Contractor;
- e. Provision for connection of existing network of PSA from CVEA Building to 23-storey Building based on the layout provided by PSA;
- f. The Contractor shall comply with the following American National Standard Institute/ Telecommunications Industry Association (ANSI/TIA);
 - i. ANSI/TIA-862-B (2016)
 - ii. ANSI/TIA-568.1-E (2020)
 - iii. ANSI/TIA-942-B (2017)
 - iv. ANSI/TIA-568.2-D (2018)
 - v. ANSI/TIA-568.3-D (2016)
 - vi. ANSI/TIA-568.4-D (2017)
 - vii. ANSI/TIA-568.5
 - viii. TIA-598-D (2014)
 - ix. TIA-492-AAAE (2016)
 - x. TSB-162-B (2021)
- g. Specifications for Network/Cabling Works:

Item Name on BOQ:	Specifications
Rack Cabinets with Slide Gutter Back Boards, Terminal Block and Vertical and Horizontal Cable Management (For Patch Panel and Switch per Floor)	<p>EASY TO SET UP AND USE - The server cabinet is easy to assemble and use due to welded frame design and quality U-Mark Mounting Hardware,</p> <p>The 42 U AV rack mount comes with: Thermostat with Thermosensor</p> <p>LCD Screen</p> <p>4 Cooling fans 2 x</p> <p>Dust Tight Cable</p> <p>Entries 8 – outlet Power bar Casters with Stoppers</p>

	<p>Heavy Duty Shelf</p> <p>Mounting Cage Bolt/Nut Hardware Fully Lockable Doors/Side Panels - 4 Keys</p> <p>Product Dimensions: 32 x 24 x 84 inches (81.3 x 61 x 213.4 cm),</p> <p>Item Weight: 230 pounds (103.5 kg), Color: Black,</p> <p>Item Dimensions: L x W x H 32 x 24 x 84 inches (81.3 x 61 x 213.4 cm),</p> <p>Size 42U (24" w x 32"d x 84"h) (10729 x 81.3 x 213.4 cm),</p> <p>Compatible Devices: Desktops, Server, Switches, NAS:</p> <p>Standards to be followed: Seismic Zone 4 (NEBS GR-63-CORE), RoHS; EIA/ECA-310-E</p>
Main Distributor Switch with Accessories	<p>Ports - 28 x 100/40-Gbps QSFPs 28 ports and 8 x 400/100-Gbps QSFP-DD ports;</p> <p>Supported Speeds: 40/100-Gbps on downlinks, 40/100/400 Gbps on uplinks,</p> <p>Breakout supported on ports 25-36: 2x50, 4x10, 4x25G, 10G w/QSA;</p> <p>CPU: 4 Cores;</p> <p>System Memory: 32 GB;</p> <p>SSD Drive: 128 GB;</p> <p>System buffer: 80 MB;</p> <p>Management ports: 2 ports 1RJ-45 and 1 SFP;</p> <p>Power supply: 1100 W AC, 1100 W DC, 1100W HVAC/HVDC;</p> <p>Physical Dimensions (H x W x D): 1.72 x 17.37 x 25.5 in. (4.37 x 44.13 x 64.8 cm):</p>

	<p>Standards to be followed:</p> <p>Products should comply with CE Marking according to directives 2004/108/EC and 2006/95/EC, RoHS-6 compliant,</p> <p>Safety:</p> <p>UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1, GB4943,</p> <p>EMC: Emissions: 47CFR Part 15 (CFR47) Class A, AS/NZS CISPR22 Class A, CISPR22 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A, N61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A,</p> <p>EMC: Immunity:</p> <p>EN55024, CISPR24, EN300386, KN 61000-4 Series</p>
Redundant Main Distributor Switch with Accessories	<p>Ports - 28 x 100/40-Gbps QSFPs 28 ports and 8 x 400/100-Gbps QSFP-DD ports;</p> <p>Supported Speeds: 40/100-Gbps on downlinks, 40/100/400 Gbps on uplinks,</p> <p>Breakout supported on ports 25-36: 2x50, 4x10, 4x25G, 10G w/QSA;</p> <p>CPU: 4 Cores;</p> <p>System Memory: 32 GB;</p> <p>SSD Drive: 128 GB;</p> <p>System buffer: 80 MB;</p> <p>Management ports: 2 ports 1RJ-45 and 1 SFP;</p> <p>Power supply: 1100 W AC, 1100 W DC, 1100W HVAC/HVDC;</p> <p>Physical Dimensions (H x W x D): 1.72 x 17.37 x 25.5 in. (4.37 x 44.13 x 64.8 cm):</p>

	<p>Standards to be followed:</p> <p>Products should comply with CE Marking according to directives 2004/108/EC and 2006/95/EC, RoHS-6 compliant,</p> <p>Safety:</p> <p>UL 60950-1 Second Edition, CAN/CSA-C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, AS/NZS 60950-1, GB4943,</p> <p>EMC: Emissions: 47CFR Part 15 (CFR47) Class A, AS/NZS CISPR22 Class A, CISPR22 Class A, EN55022 Class A, ICES003 Class A, VCCI Class A, N61000-3-2, EN61000-3-3, KN22 Class A, CNS13438 Class A,</p> <p>EMC: Immunity:</p> <p>EN55024, CISPR24, EN300386, KN 61000-4 Series</p>															
Patch Panel	<p>CAT6+ REVConnect Patch Panel, 48 Port,</p> <p>Suitable Applications: 2400, 3600, 4800 Systems,</p> <p>TIA Category 6,</p> <p>ISO Class E, 10BASE-T,</p> <p>Connectors: MATERIALS</p> <table><tr><th>Description</th><th>Material</th><th>Color</th></tr><tr><td>Panel</td><td>Steel</td><td>Black/White</td></tr><tr><td>Frame</td><td>PC/ABS</td><td>Black/White</td></tr><tr><td>Management Bar</td><td>Steel</td><td>Black</td></tr><tr><td>Clear Window</td><td>Polycarbonate</td><td>Transparent</td></tr></table> <p>Standards to be followed:</p> <p>Data Category: Category 6+,</p> <p>Telecommunications Standards: Category 6 - TIA 568.C.2, Category 6 - ISO/IEC 11801:20022 Ed. 2,</p>	Description	Material	Color	Panel	Steel	Black/White	Frame	PC/ABS	Black/White	Management Bar	Steel	Black	Clear Window	Polycarbonate	Transparent
Description	Material	Color														
Panel	Steel	Black/White														
Frame	PC/ABS	Black/White														
Management Bar	Steel	Black														
Clear Window	Polycarbonate	Transparent														

	<p>IEEE Specification: Power Over Ethernet (PoE) IEEE 802.3at type 1 and 2 (up to 30W), IEEE 802.3bt/D1.7 type 3 and 4 (up to 100W), CISCO UPOE (up to 60W), Power over HDBase TTM (up to 100W),</p> <p>Other Standards: FCC part 68, Subpart F, IEC 60603-7, UL 1863</p>
<p>UPS, 10kVA/2P/60Hz/230V (2 per floor)</p>	<p>Power Rating: 10 KVA/7KW</p> <p>Frequency: 50/60 Hz.</p> <p>Input Voltage: 176-276 VAC</p> <p>Battery Voltage: 240 VDC</p> <p>Battery Current: 40 A max</p> <p>Output Voltage: 208/220/230/240 VAC</p> <p>Output Current: 43/45/43/42 A</p> <p>Dimension (WxDxH): 260 x 570 x 717 mm</p> <p>Weight: 93 Kg</p> <p>Standards to Follow:</p> <p>IEEE 587-1980/ANSI C62.41 1980 Standards for Surge withstand Ability</p> <p>FCC Rules and Regulations of Part 15, Subpart J, Class A</p> <p>Listed under UL 924, Standards for Lighting Inverter Equipment</p> <p>NEMA PE 1 (National Electric Manufacturers Association) – Uninterruptable Power Systems</p> <p>NEMA 250 (National Electric Manufacturers Association) – Enclosure for Electrical Equipment (1000 Volts Maximum)</p> <p>NEPA 70 – National Electrical Code</p> <p>ISO 1001</p> <p>Occupational Safety and Health Administration (OSHA)</p>

Floor Distribution Switch with Accessories that can accommodate the actual number of users per floor plus 30% allowance only for the network switches.

<p>a. 48-Ports Floor Distribution Switch with Accessories</p>	<p>48 port, 48-Gbe port full PoE+, Modular Uplink option (10 or 40 Gbe), Switching capacity: 176 GBPS, Forward rate: 261.9 Mbps, Maximum Switch Staking: 8, Staking Bandwidth: 160 GPS, CPU memory: 4 gb, Maximum Power Consumption: 1440W, Dimension: 1.73 x 17.5 x 13.8 in. Standards to be followed: IEEE 802. 1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.1x-Rev, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports, IEEE 802.1D Spanning Tree Protocol, IEEE 802.1p CoS prioritization, IEEE 802.1Q VLAN, IEEE 802.3 10BASE-T specification, IEEE 802.3u 100BASE-TX specification, IEEE 802.3ab 1000BASE-T specification,</p>
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	<p>IEEE 802.3z 1000BASE-X specification,</p> <p>IEEE 802.1AE - 128-bit AES MACsec inter network device encryption with MACsec Key Agreement (MKA),</p> <p>IEEE 802.3bz (for mGig PKG SKU's only),</p> <p>IEEE 802.3an (10GBase-T) (for mGig PKG SKU's only),</p> <p>RMON I and II standards,</p> <p>SNMPv1, v2c, and v3</p> <p>Safety compliance:</p> <p>UL 60950-1,</p> <p>CAN/CSA-C22.2 No. 60950-1,</p> <p>EN 60950-1,</p> <p>IEC 60950-1,</p> <p>CCC,</p> <p>CE Marking</p> <p>EMC compliance:</p> <p>FCC Part 15 (CFR 47) Class A,</p> <p>ICES-003 Class A,</p> <p>EN 55032 Class A,</p> <p>CISPR 32 Class A,</p> <p>AS/NZS 3548 Class A,</p> <p>BSMI Class A,</p> <p>VCCI Class A,</p> <p>CISPR 35,</p> <p>EN 55035,</p> <p>EN300 386*,</p> <p>EN 61000-3-2,</p> <p>EN 61000-3-3</p>
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<p>b. 24-Ports Floor Distribution Switch with Accessories</p>	<p>24 -Gbe port full PoE+, Modular Uplink option (10 or 40 Gbe), Switching capacity: 128 GBPS, Forward rate: 190.4 Mbps, Maximum Switch Staking: 8, Staking Bandwidth: 160 GPS, CPU memory: 4 gb, Maximum Power Consumption: 715W, Dimension: 1.73 x 17.5 x 13.8 in. Standards to be followed: IEEE 802. 1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.1x-Rev, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3at, IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports, IEEE 802.1D Spanning Tree Protocol, IEEE 802.1p CoS prioritization, IEEE 802.1Q VLAN, IEEE 802.3 10BASE-T specification, IEEE 802.3u 100BASE-TX specification, IEEE 802.3ab 1000BASE-T specification, IEEE 802.3z 1000BASE-X specification, IEEE 802.1AE - 128-bit AES MACsec inter network device encryption with MACsec Key Agreement (MKA),</p>
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	<p>IEEE 802.3bz (for mGig PKG SKU's only),</p> <p>IEEE 802.3an (10GBase-T) (for mGig PKG SKU's only),</p> <p>RMON I and II standards,</p> <p>SNMPv1, v2c, and v3</p> <p>Safety compliance:</p> <p>UL 60950-1,</p> <p>CAN/CSA-C22.2 No. 60950-1,</p> <p>EN 60950-1,</p> <p>IEC 60950-1,</p> <p>CCC,</p> <p>CE Marking</p> <p>EMC compliance:</p> <p>FCC Part 15 (CFR 47) Class A,</p> <p>ICES-003 Class A,</p> <p>EN 55032 Class A,</p> <p>CISPR 32 Class A,</p> <p>AS/NZS 3548 Class A,</p> <p>BSMI Class A,</p> <p>VCCI Class A,</p> <p>CISPR 35,</p> <p>EN 55035,</p> <p>EN300 386*,</p> <p>EN 61000-3-2,</p> <p>EN 61000-3-3</p>
Cat6 UTP 4pairs (Horizontal Sub-system)	<p>Cat 6 10GXS Cable,</p> <p>10GBASE-T Ethernet,</p>

	<p>1000BASE-T as well as 2.5G and 5G Ethernet,</p> <p>PoE Type 1 (15W, Type 2 (30W), Type 3 (60W), Type 4 (100W),</p> <p>IEE 802.11ac Wave 1 and Wave 2 High-Throughput Wi-Fi,</p> <p>HD BaseT, Broadband (CATV):</p> <p>Standard to be followed:</p> <p>Flammable/Reaction to Fire: NFPA 262,</p> <p>UL 910 (Plenum),</p> <p>FT6, FT6 IEC 60332-1-2,</p> <p>CPR Compliance: CPR Euroclass: Eca;</p> <p>CPR UKCA Class;</p> <p>Eca,</p> <p>NEC/UL Compliance: L Article 800,</p> <p>CMP; CMP-LP (0.7A);</p> <p>CL3P-LP (0.7 A),CEC/C(UL)</p> <p>Compliance: CMP,</p> <p>ICEA Compliance: S-116-732-2013,</p> <p>IEEE Compliance: IEEE 802.3bt Type1, Type 2, Type 3, Type4,</p> <p>NEMA Compliance: ANSI/NEMA WC-66,</p> <p>Data Category: Category 6A, TIA/EIA</p> <p>Compliance: ANSI/TIA-568.2-D Category 6,</p> <p>ISO/IEC Compliance: ISO/IEC Compliance:</p> <p>ISO/IEC 11801-1, IEC 61156-5,</p> <p>CENELEC Compliance: Segregation class according EN50174-2 = a, European Directive</p> <p>Compliance: EU CE Mark, EU Directive 2015/863/EU (RoHS 2 Amendment), REACH, EU Directive</p>
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	<p>2011/65/EU (Rohs 2), EU Directive 2012/19/EU (WEEE),</p> <p>REACH: 2020-01-16,</p> <p>UK Regulation Compliance: UKCA Mark,</p> <p>APAC Compliance: Chine RoHS II (GB/T 26572-2011),</p> <p>Other Standard Compliance(s): Verified</p> <p>Channel/Category 6</p>
24-core Multimode (OM5 Backbone Sub-system)	<p>OM5 (50/125) 3500 MHz multimode fiber,</p> <p>Backward compatible with your existing 50/125 equipment,</p> <p>Laser-optimized multimode fiber (LOMMF),</p> <p>Higher Bandwidth,</p> <p>Greater Transmission Distance,</p> <p>Lower Insertion Loss,</p> <p>Cost - effective,</p> <p>Futureproof Solution,</p> <p>Backwards Compatible to OM3,</p> <p>Attenuation loss meets or exceeds industry standards:</p> <p>Standard to be followed:</p> <p>RoHS,</p> <p>REACH</p>
12 Core Single Mode OS2 Fiber Optic Cable (Interconnectivity of Main Data Switches)	<p>Specifications:</p> <p>Number of Cores: 12 Cores</p> <p>Type of tube: Loose tube</p> <p>Fiber type: Single mode 9/125</p> <p>Category: OS2</p> <p>Outer Sheath Material: Copolymer</p>

	<p>Reaction to fire class according to EN 13501-6: Eca</p> <p>Flame retardant: in accordance with EN 50399</p> <p>Outer diameter approx.: 10mm</p> <p>Tensile strength: 3000 N</p> <p>Crush Resistance: 1500N/m</p> <p>Armoring: Thickness 0.6mm</p> <p>Material: Soft Zinc coated steel wires</p> <p>Outer sheath: Thickness: 1.4mm (Nominal)</p> <p>Material: LSZH</p> <p>Bending Radius: 10x Diameter</p> <p>Standards: IEC 60332-1-2:2004, IEC 60754-2:2011, IEC 61034-2:2005+A1:2013, IEC 60793-1-1:2017, IEC 60793-1-20:2014, IEC 60793-1-21:2001, IEC 60793-1-22:2001, IEC 60793-1-30:2010, ITU G.652D, EN 50173-1:2011, EN 50575:2017+A1: 2016, EN 50399:2011+A1:2016, ISO/IEC 11801-1:2017, ANSI/TIA 568-3.D, ANSI/TIA/EIA 598-D, RoHS</p>
Data Outlet (Workstation Sub-system)	<p>Wall plate: 2-Gang Faceplates,</p> <p>Suitable Applications:</p> <p>Compatible with a variety of modules that are suitable for use with Belden IBDN Systems 10GX, 4800, 3600, 2400, 1200, Fiber and Coax,</p> <p>Physical Characteristic (Overall),</p> <p>Height: 5m,</p> <p>Width: 5.18,</p> <p>Depth: 0.77,</p> <p>Front Connection: Flush, Packaging: Individually packaged in a plastic bag,</p> <p>Data Port: cat6 data modular jack,</p> <p>Global terminal: Solid wire, 1.5-4mm²,</p>

	<p>Solid wire only: 1.5-2.5mm², Pillar terminal: solid, stranded and flexible wire: 1.5-4mm²:</p> <p>Standards to be followed:</p> <p>Exceeds Channel requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801, Class E standards at swept frequencies 1 to 250Mhz, Exceeds component requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Standards at swept frequencies 1 to 250 Mhz,</p> <p>Meets all applicable ANSI/TIA-968-A requirements;</p> <p>contacts plated with 50 microinches of gold for superior performance, Meets IEC 60603-7 and IEC 60512-99-001, RoHS compliance,</p> <p>Rated for 2500 cycles with IEEE 802.3af/802.3 at and proposed 802.3bt type 3 and type 4, UL1863 (use as communications circuit accessory), UL 2043 (Suitable for use in air-handling spaces)</p>
WiFi Router	<p>Dimensions: 196.7 x 196.7 x 35 mm (7.74 x 7.74 x 1.38")</p> <p>Weight: 350 g (12.4 oz), 450 g (15.9 oz) with Mounting Kits</p> <p>Networking Interface: (2) 10/100/1000 Ethernet Ports</p> <p>Ports: (1) USB 2.0 Port</p> <p>Buttons: Reset</p> <p>Antennas: (3) Dual-Band Antennas, 2.4 GHz: 3 dBi, 5 GHz: 6 dBi</p> <p>Wi-Fi Standards: 802.11 a/b/g/n/ac WiFi 6</p> <p>Power Method: Passive Power over Ethernet (48V), 802.3af/803.2at Supported (Supported Voltage Range: 44 to 57VDC)</p> <p>Power Supply: PoE Adapter Included</p> <p>Maximum Power Consumption: 9 Max</p> <p>TX Power: 22 dBm</p> <p>BSSID: Up to Four per Radio</p>

	<p>Power Save: Supported</p> <p>Wireless Security: WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)</p> <p>Certifications: CE, FCC, IC</p> <p>Mounting: Wall/Ceiling (Kits Included)</p> <p>Operating Temperature: -10 to 70° C (14 to 158° F)</p> <p>Operating Humidity: 5 to 95% Noncondensing</p> <p>Standard to be Followed:</p> <p>802.11ac,</p> <p>802.11n,</p> <p>802.11a,</p> <p>802.11g,</p> <p>802.11b,</p> <p>Certifications:</p> <p>CE,</p> <p>FCC,</p> <p>IC</p> <p>Note: WiFi Access point should cover the whole building with only one SSID.</p>
Access Doors of Auxiliary Rooms (Per Room)	<p>Face Recognition Access Control</p> <p>Face/Fingerprint/Card</p> <p>5-inch LCD touch screen</p> <p>2 MP wide angle lens</p> <p>Deep learning algorithm, fast and accurate recognition</p> <p>Heavy Duty Fingerprint Sensor</p> <p>Support ivms-4200</p> <p>Support 50 Timezones</p>

	3,200 face capacity and 5,000 fingerprint capacity 5,000 cards capacity 100,000 event records TCP/IP, RS232/485, USB host Installation Included 1 year Onsite Full Warranty 1 to 1 Exchange Warranty Standard to be Followed CE, FCC, UL 294 ETL Listed
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- h. The Contractor shall install/use the same specifications of equipment, devices and ensure compatibility with the currently installed Auxiliary Works:
- i. Fire Detection and Alarm System (FDAS)
 - ii. Closed-Circuit Television (CCTV) System
- i. Specifications for Gym Equipment

Items on the BOQ	Description
Treadmill	Min. Speed: 0.5mph (0.8kph) Max. speed: 12mph (19kph) Dimension (LxWxH): 81in x 32 in x 57 in Running surface length: 60 in. (min.) Running surface width: 20 in. (min.) Step up height: 8 in. Motor System: 3HP (6.0 HP peak) Power requirements: dedicated 120 volts/20-amp circuit
Dumbbells with dumbbell rack	2 Tier space saver storage Rack Rubber coated dumbbell with stainless handlebar Accommodates 10 pairs of dumbbells 5, 10, 15, 20, 25, 30, 35, 40, 45 & 50 lbs
Stationary Bicycle	Dimension: (L x W x H): 44 in. x 23 in. x 54 in.) Weight: 130 lbs

	Power requirements: self-powered Resistant Levels: 25
Recumbent Bike	Dimension: (L x W x H): 64 in. x 27 in. x 45 in.) Weight: 200 lbs Max user weight: 400 lbs Power requirements: self-powered Resistant Levels: 25
Cross trainer	Dimension: (L x W x H): 82 in. x 28 in. x 60 in.) Weight: 240 lbs Max user weight: 350 lbs Side Length Max: 18 in. Power requirements: self-powered Resistant Levels: 25
Adjustable Bench	Capacity: 400 lbs
Weight Storage Rack	Capacity: 400lbs With handlebar stand/storage
Weight Plates	Disc Set 107.5 kg Total (2 x 20kg, 2 x 15kg, 2 x 10kg, 2 x 5kg, 2 x 2.5kg, 2 x 1.25kg)
Multi-function Gym System	Weight Stack - 100lbs Assembled Dimension - 64" (L) x 33" (W) x 80" (H) Pulley Systems- Upper & Lower Press Arm motions - Chest press and butterfly press Preacher Curl Pad - Removable & Adjustable Leg Developer - Yes Max user weight - 300 lbs Accessories - Lat bar, ankle strap
Yoga Mat	Color Black 8mm thickness Dimensions: 173 x 61 x 0.8cm Easy wipe-clean surface Mat with textured non-slip workout surface

2. Quality Assurance/ Quality Control

- a. The Contractor shall be accountable for the quality of every activity, and expected to possess precise knowledge on all aspects of architectural and engineering construction relating to fit-out works.

- b. The Contractor shall manage all work methods, maintain knowledge on quality assurance standards, monitor continuous application for all quality assurance processes, and recommend corrective actions for all operations.
- c. The Contractor shall maintain an efficient system, record all project activities, and analyze all processes to ensure all work meets quality requirements;
- d. The Contractor shall assist in the preparation of the checklist/punch-list of the defects/deficiencies and monitor the rectification works therefore;
- e. The Contractor shall supervise the effective implementation of all test and inspection schedules, ensure adherence to all procedures;
- f. The Contractor shall develop and determine all standards to perform inspections and tests on all procedures, oversee all testing methods, and maintain high-quality standards for all processes;
- g. The Contractor shall be responsible in the preparation of QA/QC documents of the entire project, including certificates, calibration, test results, inspection requests, non-compliance reports and site instruction/observations, permanent materials delivered, and other important QA/QC documents;
- h. The Contractor shall review the quality of all materials at the site and ensure compliance with all project specifications and quality;
- i. The Contractor shall coordinate with the PE for all other concerns not covered by the foregoing responsibilities of Contractor;

3. Safety Officer

In compliance with the Department of Labor and Employment (DOLE) Department Order No. 16 Series of 2001, Rule 1034, Section 1034.03 Duties and responsibilities of Practitioners in Occupational Safety and Health.

A. Practitioners in Occupational Safety and Health shall:

- 1. Develop, implement, and promote occupational safety and health programs in the workplace.
- 2. Advise and assist the employer in complying with the provisions of the Standards especially in the submission of the reporting requirements.
- 3. Perform at least a quarterly appraisal/assessment of the implementation of occupational safety and health programs in the workplace.

4. Prepare an annual report of safety and health programs of establishments.
5. Be present during the scheduled safety inspections by authorized government agents and as requested during regular health and safety committee meetings.
6. For Occupational Health Personnel, the duties shall be in accordance with Rule 1960.

4. Administrative Officer

The Contractor shall be responsible for the timely, accurate, and efficient preparation and management of documents including the numbering, sorting, filing, storing, and retrieval of both electronic and hard copy documents and to the following activities.

- a. Preparation of the Minutes of Meetings and updates on Action Matters before the scheduled Technical Meetings;
- b. Set up, copy, scan and store documents;
- c. To liaise with and distribute project related information with all levels of the project team and potentially external parties;
- d. Review and maintain the accuracy of the records, editing where necessary to ensure they are up to date;
- e. Maintain confidentiality around sensitive documentation; and
- f. Prepare ad-hoc reports on projects when required

XIII. SUBMITTALS

During Contract Implementation:

1. All As-Built plans and Documents shall be delivered in sets as follow:
 - a. Two (2) sets original copies, scaled 1:100 meters prepared in AutoCAD format, printed/plotted in A0 Mylar paper.
 - b. Five (5) sets of Blueprints copies for each plan.
 - c. Two (2) sets soft copies of AutoCAD of plans/drawings, and PDF and editable format of cost estimates, technical specifications, Program Evaluation and Review Technique- Critical Path Method (PERT-CPM), Schedule of Timeline, Manpower Schedule, and other related documents in flash drive storage device.
2. Construction Schedule and S-Curve, PERT-CPM, Manpower Schedule, Equipment Utilization Schedule, Construction Safety and Health Program.
3. Other documents processed and issued in favor of the PSA during the construction periods (i.e., Operation and Maintenance Manuals, Testing and

Commissioning Reports, Inspection Reports, Punch List, Fire Safety Reports, Clearances and other related documents.)

- a. Consolidate project records and operating manuals and guidelines for ease of reference;
- b. Assist in the preparation and issuance of Certificate of Completion of Works

XIV. RESPONSIBILITIES OF THE PROCURING ENTITY

The PE shall:

1. Provide full information as to the requirements of the Project;
2. Designate authorized representative to represent the PE;
3. Evaluate documents submitted by the Contractor/s and render decisions to avoid delay in the progress of the Contractor/s' work.

XV. PROVISIONS FOR STORAGE AND MATERIAL HANDLING

1. The Contractor/s shall store their materials, equipment and tools in one place of the building determined and designated by the PE. It shall be kept neat and clean at all times. Any damage thereto or to the surrounding area arising from any act or omission of the Contractor shall be repaired and/or restored to its original condition at the expense of the Contractor.
2. Provisions for securing and safekeeping of stored materials, tools and equipment during the construction project shall be for the account of the Contractor/s.

XVI. CLEARING OF THE SITE

The Contractor/s shall clean the whole area by removing debris, discards, and other construction wastes and shall leave the entire premises free from rubbish caused by their work to the satisfaction of PSA at no extra cost.

XVII. VARIATION ORDER

Annex "E" – Contract Implementation Guidelines for the Procurement of Infrastructure Project

1. Variation Orders – Change Order/Extra Work Order
 - a. Variation Orders may be issued by the procuring entity to cover any increase/decrease in quantities, including the introduction of new work items that are not included in the original contract or reclassification of work items that are either due to change of plans, design or alignment to suit actual field conditions resulting in disparity between the preconstruction plans used for purposes of bidding and the "as staked plans" or construction drawings prepared after a joint

survey by the contractor and the Government after award of the contract, provided that the cumulative amount of the positive or additive Variation Order does not exceed ten percent (10%) of the original contract price. The addition/deletion of works under Variation Orders should be within the general scope of the project as bid and awarded. The scope of works shall not be reduced so as to accommodate a positive Variation Order. A Variation Order may either be in the form of either a change order or extra work order.

The contract price is fixed and firm to construct the entire project scope. Any lapses, missing items or lacking quantity for calculating the bid amount to achieve a fully working system shall be shouldered by the Contractor/s. No variation or additional cost shall be carried out without the prior clearance and approval of PE.

XVIII. CONSTRUCTION SAFETY GUIDELINES FOR THE IMPLEMENTATION

The Contractor/s shall refer to the Department of Public Works and Highways (DPWH) Department Order 39/30/33, series of 2020 and 2021 for the Project including the submission of the Project Execution Plan of the same.

XIX. CONFIDENTIALITY

All relevant data such as maps, reports, plans, diagrams, designs, statistics, specifications, and other supporting record or materials prepared during course of the project shall be the property of the PE and shall not be used by the Contractor/s without the prior written approval of the former. Print and electronic copies of such documents shall be turned over to the PE.

In addition, all data and information related to the Project shall be treated with strict confidentiality and in no instance shall they be released or revealed to a third party without prior written consent of the PE.

XX. INDEPENDENT CONTRACTOR

Nothing contained herein shall be construed as establishing or creating employer-employee or principal-agent relationship, it being understood that the relationship between the parties is that of contractee-independent contractor relationship.

XXI. INDEMNIFICATION

The Contractor/s shall hold the PE free and harmless from all claims, liabilities, suits and actions, demands, or damages arising from death, loss, or injuries to persons, entities, or properties, in relation to the delivery of the Construction of Fit-Out and other Works-to-Complete

In addition, the Contractor/s agrees to protect and defend, at its own expense, the PE against claims and liabilities arising from acts or omissions committed by the Contractor/s or its employees and workers in the performance of the services including the use of copyrighted materials, patented inventions, articles or appliances, and indemnify the PE for any damages or liabilities that the PE may be compelled to assume arising from said acts or omissions.

XXII. SUSPENSION AND TERMINATION OF AGREEMENT

In case of default, failure, or refusal on the part of the Contractor/s to perform the services in such manner consistent with the results herein contracted for, or non-compliance with the Terms of Reference, the PE may issue a Notice of Suspension of Payment and suspend payment in whole or in part.

In case any of the conditions as stated above shall continue for a period of fourteen (14) days after the issuance of a Notice of Suspension of Payment, the PE may terminate the construction works.

XXIII. LIQUIDATED DAMAGES

The Contractor/s binds itself to pay liquidated damages in case of any breach of the provisions of the Contract. The Contractor/s shall be charged and pay liquidated damages equal to one-tenth of one percent (0.1%) of the cost of the unperformed portion for everyday of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the PE shall rescind the contract, without prejudice to other courses of action or other remedies open to it.

XXIV. WARRANTIES OF THE CONTRACTOR

1. The Contractor/s warrants that it shall conform strictly with the terms and conditions of the Terms of Reference;
2. The Contractor/s warrants and guarantees the reliability of their service and that their manpower complement is hardworking, qualified, reliable and dedicated to do the service required to the satisfaction of the PE. It shall employ highly skilled, well-behaved and honest employees with proper identification cards displayed conspicuously while working inside the premises of the PE. It shall not obtain the services of any personnel of the PE to work in any category;
3. The Contractor/s shall comply with the laws governing employee's compensation, PhilHealth, Social Security, labor standards and other laws, rules and regulations applicable to its personnel employed on account of the contracted services;
4. The Contractor, in the performance of its services, shall secure and maintain at its own expense all registration, licenses or permits required by national or local laws and shall comply with the rules, regulations and directives of regulatory authorities and commissions;
5. The Contractor, shall coordinate with authorized and/or designated personnel of the PE in the performance of their services;
6. The Contractor/s shall be liable for loss, damage, or injury as may be due directly through the fault or negligence of its personnel. It shall assume responsibility, and the PE shall be released from any responsibility arising therein;

7. The Contractor/s shall comply with all the documentation to be required by the Commission on Audit (COA) even after completion of the Project at no additional cost to the PE;

XXV. PROJECT ACCEPTANCE

1. The Contractor/s shall coordinate with the PE to ensure that the completed construction works are in accordance with the Construction Contract documents (plans and specifications) approved by the PE and all other obligations contained in separate documents made part of the Contract;
2. The PE shall release the retention fee upon Final Acceptance of the project;
3. A Warranty Bond shall be posted by the Contractor/s to cover structural defects and failures to be valid for a period of one (1) year be counted from the issuance of the PE of the certificate of final acceptance. The warranty bond shall be returned thereafter, but the Contractor/s shall remain responsible for structural defects and failures as provided under Section 62.2.3.2 of the implementing Rules and Regulations of Republic Act No. 9184.

XXVI. CONFLICT OF INTEREST

The Contractor/s shall provide professional, objective, and impartial advice and at all times hold the PE's interest's paramount, without any consideration for future work, and strictly avoid situations where a conflict of interest shall arise with their other projects or their own interests. Contractor/s shall not be hired for any project that would be in conflict with their prior or current obligations to other entities, or that may place them in a position of not being able to carry out the Project in the best interest of the PE. All bidders also found to have conflicting interests with each other shall be disqualified to participate in the procurement at hand, without prejudice to the imposition of appropriate administrative, civil, and criminal sanctions.

XXVII. 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.

Section IV. Bill of Quantities (BOQ)

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		sqm		

	accessories (All in 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 ± 40 mm 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 hardware 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 hardware 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 hardware 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 hardware 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 hardwares 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		set/s		
	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 3.5mm2 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)		set/s		
	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)		unit/s		
	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 12 Core Single Mode OS2 Fiber Optic Cable (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		unit/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		
	IV.7.1.5 BMS workstation		unit		
	IV.7.1.6 BMS blade server		unit		
	IV.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		m2		
	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		m2		
	Gauge 20; 0.80mm thick rectangular duct		m2		
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 FURNITURE, 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 Dumbbells with dumbbell 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				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

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		pcs		

	Depreciation: L80 Color: Anthracite / Back By: Performance in Lighting or any approved equivalent				
	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				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

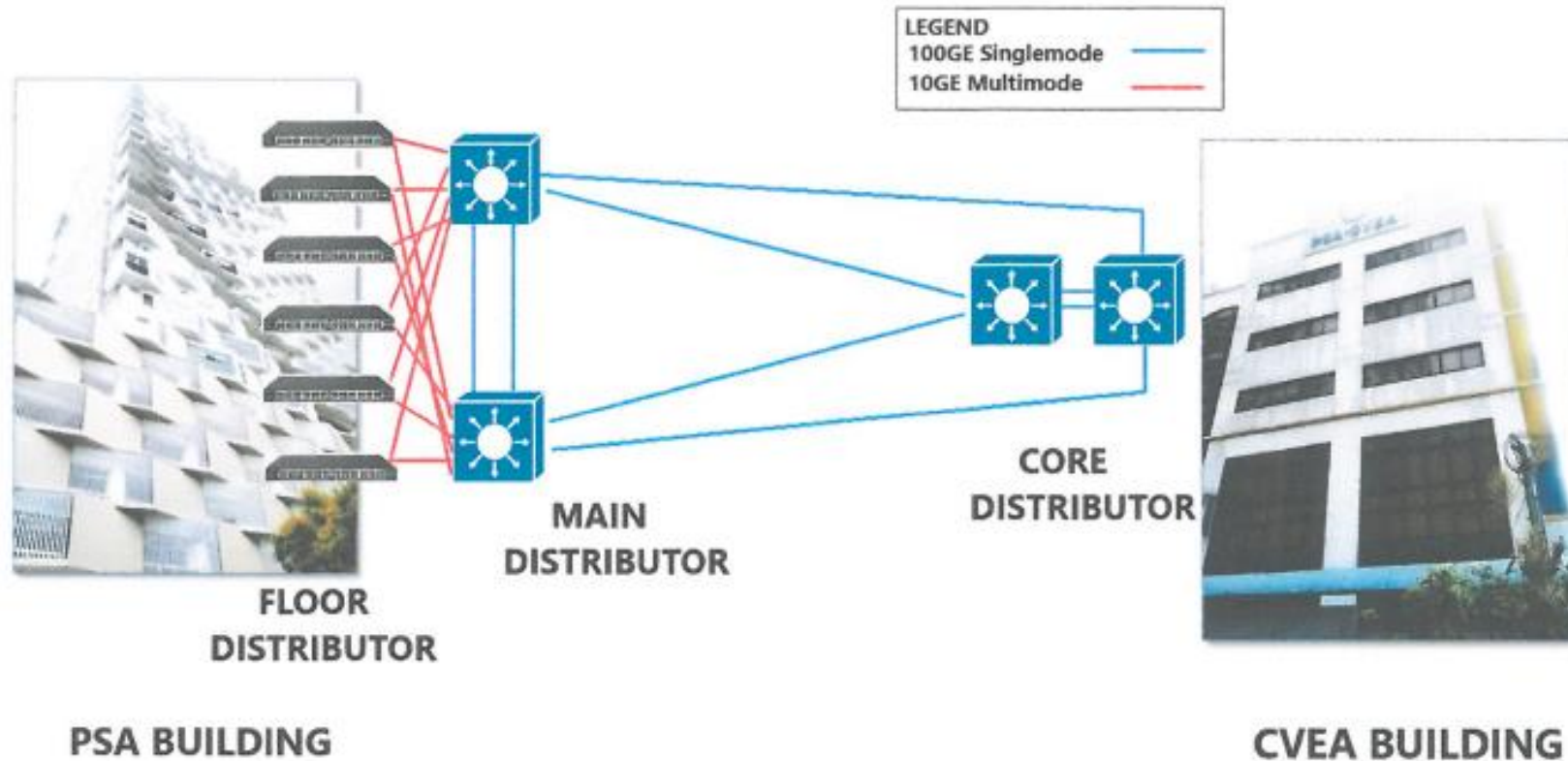
Section V. Detailed Unit Price Analysis (DUPA)

(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				

SIGNATURE
FULL NAME OF AUTHORIZED REPRESENTATIVE
COMPANY NAME

Section VI. Plans / Drawings



**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 VII. Prescribed Bidding Forms

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process,

¹ currently based on GPPB Resolution No. 09-2020

other than alternative offers in accordance with the Bidding Documents;

- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

BID SECURING DECLARATION

Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED
REPRESENTATIVE]*

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the “Entity”) and *[name and address of Contractor]* (hereinafter called the “Contractor”).

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called “the Works”) and the Entity has accepted the Bid for *[contract price in words and figures in specified currency]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a. Philippine Bidding Documents (PBDs);
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - b. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;

- c. Performance Security;
 - d. Notice of Award of Contract and the Bidder's conforme thereto; and
 - e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
 4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)

CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or**

services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this __ day of __, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Performance Securing Declaration (Revised)

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- a) I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
- b) I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
- c) I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month]
[year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]*

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

**STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT (SLCC)
SIMILAR IN NATURE**

This is to certify that _____ has the completed Contract as stated:

<i>Name and Client Address</i>	<i>Date of Contract</i>	<i>Title of the Project in the Contract</i>	<i>Kinds of Goods</i>	<i>Amount of Contract</i>	<i>Date of Delivery / End-user's acceptance</i>	<i>Date of Official Receipt(s)</i>	<i>Contract Duration</i>

Name and Signature of Authorized Representative

Date : _____

**STATEMENT OF ALL ONGOING GOVERNMENT & PRIVATE CONTRACTS
INCLUDING CONTRACTS AWARDED BUT NOT YET STARED**

This is to certify that _____ has the following ongoing and awarded but not yet started contracts:

<i>Name and Client Address</i>	<i>Date of the Contract</i>	<i>Title of the Project in the Contract</i>	<i>Kinds of Goods</i>	<i>Contract Amount</i>	<i>Value of Outstanding Contracts</i>	<i>Date of Delivery</i>	<i>Contract Duration</i>
<u>Government</u>							
<u>Private</u>							

Name and Signature of Authorized Representative

Date : _____

Instructions:

1. If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term;
2. The total amount of the ongoing and awarded but not yet started Contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC).

Conformity to Section II. Schedule of the Delivery of Requirements

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

<i>Item Number</i>	<i>Description</i>	<i>Quantity</i>	<i>Delivered, Weeks/Months</i>

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

Name of Company: _____

Authorized Representative: _____

Signature over Printed Name

Date: _____

Format of Curriculum Vitae (CV) for Proposed Professional Staff

Proposed Position: _____

Name of Firm: _____

Name of Staff: _____

Profession: _____

Date of Birth: _____

Years with Firm/Entity: _____ Nationality: _____

Membership in Professional Societies: _____

Detailed Tasks Assigned: _____

Key Qualifications:

[Give an outline of staff member's experience and training most pertinent to tasks on project. Describe degree of responsibility held by staff member on relevant previous projects and give dates and locations. Use about half a page.]

Education:

[Summarize college/university and other specialized education of staff members, giving names of schools, dates attended, and degrees obtained. Use about one quarter of a page.]

Employment Record:

[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of projects. For experience in last ten years, also give types of activities performed and client references, where appropriate. Use about two pages.]

Languages:

[For each language, indicate proficiency: excellent, good, fair, or poor in speaking, reading, and writing.]

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

Commitment:

I also commit to work for the Project in accordance with the time schedule as indicated in the contract once the firm is awarded the Project.

Date: _____

[Signature of staff member and authorized representatives of the firm]

Day/Month/Year

Full name of staff member:

Full name of authorized representative:

.

SUBSCRIBED AND SWORN to before me this _____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules of Notarial Practice (A.M. no. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this _____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____, *[date issued]*, *[place issued]*

IBP No. _____, *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____.

Conformity to Section III. Terms of Reference

		<p style="text-align: center;">Statement of Compliance</p> <p>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of ITB Clause and/or GCC Clause.</p>
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Lot No.	Specification/s	Statement of Compliance
	<i>(copy specifications as provided in the bidding documents here)</i>	

I hereby certify that the Statement of Compliance to the foregoing technical Specifications are true and correct, otherwise, if found false either during the bid evaluation or post-qualification, the same shall give rise to automatic disqualification of our bid.

Name/signature of Authorized Representative; _____

Date: _____

(Insert Bidder's Official Letterhead)

NEGOTIATED PROCUREMENT FOR CONSTRUCTION OF FIT-OUT AND OTHER WORKS-TO-COMPLETE OF
PHILIPPINE STATISTICS AUTHORITY (PSA) 23-STOREY BUILDING

Public Bidding No. _____

LIST OF CONTRACTOR'S KEY PERSONNEL TO BE ASSIGNED TO THE PROJECT IF AWARDED THE CONTRACT

Note: These personnel must meet the required minimum requirements for the contract.

KEY PERSONNEL	POSITION/DESIGNATION	YEARS OF EXPERIENCE	ATTACHED SUPPORTING DOCUMENTS

Name and Signature of Representative

Name of Company:

Position

Address

Date Signed

Contact Details:

(Insert Bidder's Official Letterhead)

NEGOTIATED PROCUREMENT FOR CONSTRUCTION OF FIT-OUT AND OTHER WORKS-TO-COMPLETE OF
PHILIPPINE STATISTICS AUTHORITY (PSA) 23-STOREY BUILDING

Public Bidding No. _____

LIST OF CONTRACTOR'S MAJOR EQUIPMENT TO BE ASSIGNED TO THE PROJECT IF AWARDED THE CONTRACT

Note: These equipment must meet the required minimum requirements for the contract.

LIST OF CONTRACTOR'S MAJOR EQUIPMENT UNITS	OWNED, LEASED, AND/OR UNDER PURCHASE AGREEMENTS?	ATTACHED SUPPORTING DOCUMENTS
Wood Works		
Automatic edge banding		
Beam saw with scouring		
Multi boring machine		
Thickness planer		
Table Saw		

Metal Works		
Bending Machine		
Spot welding machine		
Electric arc welding		
Others (Please Specify)		

Name and Signature of Representative

Name of Company:

Position

Address

Date Signed

Contact Details:

SUMMARY OF COSTS

Costs	Currency(ies) ¹	Amount in Philippine Peso
Negotiated Procurement for Construction of Fit-out and Other Works-to-Complete		
<ul style="list-style-type: none"> a) General Requirements/Preliminaries b) Architectural Works c) Electrical Works d) Auxiliary and Network/Cabling Works e) Plumbing and Sanitary Works f) Mechanical Works g) Fire Protection Works h) Loose Furniture, Appliances, and Equipment i) Landscape Works 		
Subtotal		

Local Taxes		
Total Amount of Financial Proposal		

¹ In cases of contracts involving foreign consultants, indicate the exchange rate used.

COMPUTATION OF NET FINANCIAL CONTRACTING CAPACITY

The bidder must submit a computation of its Net Financial Contracting Capacity (NFCC) which must be at least equal to the ABC to be bid, calculated as follows:

NFCC = [(Current assets minus current liabilities) (15)] minus the value of
all outstanding or uncompleted portions of the projects under ongoing
contracts, including awarded contracts yet to be started, coinciding with the
contract to be bid.

The values of the bidder's current asset and current liabilities shall be based on the data submitted to the BIR, through its Electronic Filing and Payment Systems (EFPS)

	AMOUNT
Current Assets	
Minus: Current Liabilities	
SUB-TOTAL	
Multiplied to the value of K	15
SUB-TOTAL	
Minus: Value of Outstanding Contracts	
NFCC	

Submitted by:

Name of Company	
Name and Signature of Authorized Representative	
Date	

Section VIII. Checklist of Requirements

A. ELIGIBILITY REQUIREMENTS

1. TECHNICAL ENVELOPE

a) Legal Documents

- i. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);

b) Technical Documents

- i. Statement of the bidders Single Largest Completed Contract (SLCC) similar to the contract to be bid and at least fifty percent (50%) of the ABC;
- ii. 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;
- iii. Philippine Contractors Accreditation Board (PCAB) License;
- iv. 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;
- v. Personnel Qualification Requirements - Notarized Curriculum Vitae and valid (unexpired) Professional License and Certification of active/good standing membership of Accredited Professional Organization. *(please see attached template)*;
- vi. 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. *(please see attached template)*;

<i>Wood Works</i>	<i>Metal Works</i>
Automatic edge banding	Bending Machine
Beam saw with scouring	Spot welding machine
Multi boring machine	Electric arc welding
Thickness planer	
Table Saw	

- vii. 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;

viii. Conformity to Section II - Schedule of the Delivery of Requirements;

ix. Conformity to Section III – Terms of Reference

Additional Requirement:

x. Value Engineering Analysis;

xi. Must provide certification as an authorized and certified Daikin Installer

c) Financial Documents

i. Net Financial Contracting Capacity (NFCC)

FINANCIAL ENVELOPE

i. Original of duly signed and accomplished Financial Bid Form;

ii. Original of duly signed Bid Prices in the Bill of Quantities (BOQ);

iii. Duly accomplished Detailed Unit Price Analysis (DUPA);

iv. Cash Flow by Quarter;

v. Summary of Cost.

