

Technical Specifications

Item	Specification		Statement of Compliance	Annex
<i>[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 Bidder's 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 applicable laws and issuances.]</i>				
Lot 1- Electrical Works for the Relocation Site of Iloilo-Molo Branch				
<i>Bidder must submit brochures of the proposed product that are verifiable in the manufacturer’s official website.</i>				
1	Conduit			
1.a	uPVC	20mm or 3/4in. Dia. uPVC must be in accordance with PNS 14		
1.b	Intermediate Metal Conduit (IMC)	20mmØ or 3/4in. Dia. Must be UL Listed		
2	Wire			
2.a	a. 3.5 mm ² b. 5.5 mm ² c. 8.0 mm ² d. 14.0mm ² e. 22.0mm ² f. 125.0mm ² g. 150.0mm ²	THHN/ THWN, must be in accordance with PNS 35 :1990		
3	Devices			
3.a	Single & Duplex convenience outlet, 3 prong, parallel slot with ground	Socket Outlets must conform to the IEC60884-1 standard		
3.b	Switch, single pole, flush type (one, two & three gang)	Switches must conform to the IEC60669-1 standard		
3.c	Lighting	Recessed Lighting Fixtures,T8		

98

Item	Specification		Statement of Compliance	Annex
	Fixtures	Watts: 2x18watts LED Wiring: Double ended/Bi-pin Lumens: 1620 lumens min. Light/Beam Angle: 120 deg. min. burning hours: 50,000 Dimension: (600x1200)mm w/ aluminum, arge cell parabolic louver type, anodized reflector, cool daylight		
3.d	Cove Light	T8 Watts: 18watts LED Wiring: Double ended/Bi-pin Lumens: 1620 lumens min. Light/Beam Angle: 120 deg. min. burning hours: 50,000		
3.e	Down Light	Recessed type spun aluminum with 12watts led lamp, .6" dia., clear glass		
3.f	Rechargeable Portable Emergency Light	Rechargeable Emergency Light, 2 x 3-5watt min. LED, 4AH min., 4-6VDC, Warm White, with Sealed Lead Acid Battery		
3.g	Entrance/Exit/Fire Exit Signage	Exit Signage, 2-3watt LED, with back-up battery		
3.h	Exhaust Fan	Ceiling mounted, 55-watts min., 90-120cfm min., 230v, 60hz		
3.i	Transfer Fan	Wall mounted, 33-watts min., 230v, 60hz		
4	Other Electrical Panel, Devices & FDAS Bidder must submit a duly signed <u>Certificate of Commitment</u> to deliver and install the following listed items which shall be considered as part of the technical documents and based on the manufacturer's standard for items a to j. Note: None submission of such certification shall be ground for disqualification			
	a. Junction Box – steel sheet gauge 16 - 2" x 4", steel sheet gauge 16 b. Utility Box - uPVC Plastic Box (Tailee) c. Wire Gutter - (2500x350x300)mm, GA #16 w/cover d. Flexible Metallic Conduit (FMC) – 20mmØ e. Enclosed Circuit Breaker (ECB) - 300A, 3P, 230VAC,60Hz f. Kilowatt-Hour Meter - Kilowatt-Hour Meter, GEKV2C, (Class 20/200), 3P, 230VAC with Current Transformer (CT) Ratio 175:5 & 125 :5			

48

Item	Specification	Statement of Compliance	Annex
	<p>g. Power Panel A/C (PP-A/C) Main: 250AT, 3P, 230V, 50kAIC min., 60Hz Branches: (20-Branched – 3Phase) 1- 70AT, 3P, 230V, 25kAIC min., 60Hz 16- 10AT, 2P, 230V, 10kAIC min., 60Hz 2 – 20AT, 2P, 230V, 10kAIC min., 60Hz NEMA 1, surface Mounted, Industrial Type, w/ grounding terminal block, powder coated gray paint</p> <p>h. Emergency Lighting/ Power Panel (ELPP) Main: 100A, 3P, 230V, 22kAIC min., 60Hz Branches: (22-Branched – 3Phase) 1- 50A, 2P, 230V, 18kAIC min., 60Hz 14-20A, 2P, 230V, 10kAIC min., 60Hz 7- SPACE, 2P, 230V NEMA 1, surface Mounted, Industrial Type, w/ grounding terminal block, powder coated gray paint</p> <p>i. UPS Distribution Panel (UPSDP) Main: 50A, 2P, 230V, 18kAIC min., 60Hz Branches: (6-Branched – Single Phase) 6- 20A, 2P, 230V, 18kAIC min., 60Hz NEMA 1, surface Mounted, Industrial Type, w/ grounding terminal block, powder coated gray paint</p>		
5	<p>FIRE DETECTION AND ALARM SYSTEM (FDAS)</p> <p>The Bidder must submit Brochure</p>		
	<div>Fire alarm Control Panel</div> <div> Electrical: Operating Voltage: 20V DC to 30V DC Mechanical: Operating Element: Touchscreen Interfaces: Ethernet, USB & RS232 Signal Inputs: 2 Display Element: 14.5 cm (5.7") multi-color TFT display Protection Class: IP30 Easy upgrade to 2 loops by second LSN 0300 A module Connection of up to 254 elements (127 per loop) Remote operation by up to 3 Remote keypads (via CAN or Ethernet) Auto-detection of modules and Plug-in of modules during operation Serial interface to Bosch Voice Evacuation System (EVAC) </div>		

98