

PROJECT : SUPPLY AND DELIVERY OF ELECTRICAL AND DATACOM MATERIALS FOR DBP VIGA BRANCH LITE UNIT

LOCATION : G/F MUNICIPAL BLDG., D. ALCALA ST., SAN VICENTE, VIGA, CATANDUANES

SUBJECT : TECHNICAL SPECIFICATIONS

MODE OF PROCUREMENT: SMALL VALUE PROCUREMENT (GOODS & SERVICES)

I. APPROVED BUDGET FOR THE CONTRACT:

FIVE HUNDRED THOUSAND PESOS - Php 500,000.00 (inclusive of VAT/applicable taxes)

II. TECHNICAL SPECIFICATIONS:

Item No.	Particulars	Quantity	Specifications
DATACOM			
Wires and Cables			
1	Cat6 UTP cable 25 pairs	40 m	Cable shall be covered by low smoke zero halogen or flame retardant PVC jacket.
2	Cat6 UTP cable 4 pairs (305m/box)	2 box	
3	Cat6 slim-line UTP patch cord 4 pairs (1 meter)	20 pcs	
4	Cat6 UTP patch cord 4 pairs (3 meters)	20 pcs	
Conduits and Fittings			
5	20mm (3/4”) dia PVC pipe (3m/pc) with adapter and locknut	40 pcs	PVC conduits and fittings shall be unplasticized Polyvinyl Chloride (uPVC), schedule 40, and uniformed wall thickness. It shall be compression and impact resistant, non-corrosive, weatherproof, made of superior quality. Thermosetting plastic, color: white
6	25mm (3/4”) dia PVC pipe (3m/pc) with adapter and locknut	10 pcs	
7	32mm (1”) dia PVC pipe (3m/pc) with adapter and locknut	30 pcs	
8	32mm (1”) dia PVC elbow	15 pcs	
9	32mm (1”) dia PVC coupling	30 pcs	
10	32mm (1”) dia U-Clamp wall support	40 pcs	
11	40mm (1 1/4”) dia PVC pipe (3m/pc) with adapter and locknut	15 pcs	
12	40mm (1 1/4”) dia PVC elbow	4 pcs	

13	40mm (1 1/4") dia PVC coupling	8 pcs	
14	40mm (1 1/4") dia U-Clamp wall support	10 pcs	
Boxes			
15	Junction box with cover (PVC)	10 pcs	4"x 4" PVC
15	Utility box (PVC)	50 pcs	2"x 4" PVC
16	Pullbox	3 pcs	(ga#16) (100mm Hx100mm Wx100mm D)
Outlets			
17	Duplex data port outlet (RJ45)	9 sets	Thermosetting plastic, color: white
18	Duplex voice port outlet (RJ11)	9 sets	
Others and Miscellaneous Materials			
19	Electrical Tape	10 rolls	Black
20	Cable Ties (100pcs/pack)	3 packs	4mmx150mm
21	40mm (1 1/4") dia service entrance cap	1 pc	PVC
22	32mm (1") dia service entrance cap	2 pcs	PVC
23	Dyna Bolt	10 pcs	5/8"
24	Drill Bit (Concrete)	5 pcs	5/8"
25	Grounding rod (3/4" x 3m)	1 pcs	(3/4" x 3m)
26	Grounding clamp	1 pcs	(3/4")
Network system			
27	Data terminal cabinet – 1 set/s	1 lot	(960mm H x 550mm W x 580mm D)
	Horizontal cable manager		- Framing & paneling GA#16
	Rack shelves		- 19" standard opening
	Powerstrip 6-convenience outlet for data cabinet – 2 set/s		- Mesh front door with lock
	24 port CAT6 patch panel - 1 set/s		- Detachable exhaust side panel with lock
28	48-port manageable LAN switch -1 set/s :	1 set	- Fixed type back panel
			- 2 pcs. Exhaust fan at the top panel
			- 2 pcs. Ventilating fan at the bottom panel
			- Black powder coated
			- 48 x 10/100/1000BaseT PoE+ (RJ-45) ports
			- 4 x 100/1000Base-X (SFP) unpopulated ports
			- 1 x Serial console port RJ-45

			- ARM Cortex-A9 32-BIT Processor, 400 Mhz clock, 512MB DRAM, 128 MB Flash, 1.5MB MAC buffer; 128K L2 Cache (CPU) - VLANs; Up to 1024, MSTP instances; 4, Link access groups (LAGS): 6 - Device Management: Full Compatibility with existing management extreme cloud - Throughout 77.35 MPPS (Million packets per second) - Switching capacity 103 GBPS (Giga Bit per second) - MAC address table size (# of entries) 15,999 entries - AC Voltage 100-127VAC/ 200-240VAC - Maximum heat dissipation 138 Btu/hr - Advanced Layer 2 Features: AAA, DHCP, Snooping, MVR, Port MAC locking - Limited lifetime warranty
Telephone system			
29	Telephone terminal cabinet – 1 set/s Krone module/10 pairs – 8 set/s 5-way back mounting frame – 3 set/s	1 lot	Include 20mm Thk. Plywood, Krone modules, & 5-way back Mounting frame
30	Private Automatic Branch Exchange (PABX) – 1 set/s Krone module/10 pairs – 5 set/s Includes: 1 unit Proprietary Programmable Telephone set;	1 lot	6-Trunk lines & 24 local lines

	8 units standard telephone; and back-up battery		
31	Service telephone terminal cabinet with grilles and padlock – 1 set/s Krone module/10 pairs – 3 set/s 5-way back mounting frame – 1 set/s	1 lot	(H-400mm X W-400mm X D-200mm)
Electrical			
Wires and Cables			
32	3.5mm² THHN stranded (150m/roll)	8 roll/s	All wires and cables shall be 600-volt grade, made of copper, lead-free, and soft-annealed, capable of withstanding a 130° C emergency overload condition, and must be UL-listed for safety and quality compliance.
33	5.5mm² THHN stranded (150m/roll)	2 roll/s	
34	3.5mm² 3C Royal cord wire	50 m	
35	5.5mm² 3C Royal cord wire	80 m	
Pipes and Fittings			
36	25mm dia PVC moulding	55 pc/s	PVC conduits and fittings shall be unplasticized Polyvinyl Chloride (uPVC), schedule 40, and uniformed wall thickness. It shall be compression and impact resistant, non-corrosive, weatherproof, made of superior quality.
37	20mm dia PVC moulding	150 pc/s	
38	20mmØ Flexible PVC conduit (50m/roll)	2 pc/s	
39	20mm dia flexible PVC connector	20 pc/s	
40	20mm dia angle connector	20 pc/s	Flexible conduits covered with a jacket made of thermoplastic rubber.
Panel boards			
41	Panel "PP1" -Enclosure: GA #16 G.I. sheet, NEMA-1 -Main: 125AT/150AF, 2P, 230V MCCB -Branch: 10-20AT,2P, MCCB; 6-30AT, 2P, MCCB 230V -With busbar & grounding busbar rated 125 amperes	1 set/s	Powder coated beige Bolt-on 25KAIC for Main Breaker
42	ECB -Enclosure: GA #16 G.I. sheet, NEMA-3R -Main: 125AT/150AF, 2P, MCCB	1 set/s	Powder coated beige Bolt-on 25KAIC for Main Breaker

	-With busbar & grounding busbar rated 150 amperes		
43	Timer Switches -1-20A, 2P, MCB; 230V -1-24 Hour timer switches -1-20A Magnetic Contactor; 230V -Enclosure: GA #16 G.I. sheet, NEMA-3R -Timer switches phenolic backboard	3 set/s	Powder coated beige Timer can be manually override (15 minutes – 24 hour timing range)
Boxes			
44	Pullbox	2 set/s	12" x 12" x 8" (GA#16)
45	PVC Amco Box	40 pc/s	2" x 4" PVC
46	Junction box with cover (PVC)	20 set/s	4" x 4" PVC
47	Utility box (PVC)	20 set/s	2" x 4" PVC
Switches and Outlets			
48	16A, 230V, 3-pin Single universal outlet with ground (wall mounted)	6 set/s	Thermosetting plastic, color white
49	16A, 230V, 3-pin duplex universal outlet with ground (wall mounted)	22 set/s	Compatible with various plug types, grounded for safety
50	Weather Proof 16A, 230V, 3-pin duplex universal outlet with ground (wall mounted)	1 set/s	Compatible with various plug types, grounded for safety
51	3prong twistlock outlet with plug (20A)	1 set/s	Heavy-duty connection for high-current equipment, secure twistlock design
52	Weather Proof 3prong twistlock outlet with plug (20A)	1 set/s	Heavy-duty connection for high-current equipment, secure twistlock design
Lighting Fixtures			
53	LED exit sign with white acrylic housing	2 set/s	3W LED acrylic exit sign, single face (Green light, black background)
54	Emergency light (Wall mounted)	6set/s	2W HI-POWER LED, ≥ 2 hour usage duration, rechargeable
Other Miscellaneous Materials			
55	PVC Slotted wire duct with cover	25 set/s	(2000mm Lx50mm Wx50mm D)
56	Cable Ties (100pcs/pack)	5 set/s	4mmx150mm

57	Heavy duty plug with ground	10 set/s	20A
58	PVC tox with screw (50pcs/pack)	5 packs	#6 (30mm), color: brown
59	No more nail (100g/sachet)	15 Sachet	
60	Electrical Tape	20 roll/s	0.16mm x 19mm x 16mm Black = 5 rolls Red = 5 rolls Blue = 5 rolls Yellow = 5 rolls

Notes: Supplier must provide same brand for each item

III. CONDITIONS OF THE CONTRACT:

1. The Supplier shall ensure that the items delivered are in accordance with the specifications required by the DBP. DBP reserves the right to reject delivery if the item/s are found to be defective or do not meet to the required specifications/model.
2. The DBP may terminate/cancel the Purchase Order (PO)/Notice to Proceed (NTP) when the Supplier fails to deliver, perform and comply with its obligation.
3. **Delivery Period:** The Supplier shall complete the supply and delivery of various electrical, voice and datacom system materials within **thirty (30) calendar days** after receipt of Purchase Order (PO) / Notice to Proceed (NTP).
4. **Point of Delivery:** G/F Municipal BLDG., D. Alcala St., San Vicente, Viga, Catanduanes
5. **Warranty:** One (1) year warranty upon acceptance of items by DBP.

IV. DOCUMENTARY REQUIREMENTS:

Interested Supplier/s must submit the following documents:

- Proposal/Quotation
- Proof PhilGEPS Registration
- 2025 Mayor's/Business Permit
- Omnibus Sworn Statement
- Secretary Certificate (for Supplier under Partnership/Corporation)
- Signed Request for Quotation (RFQ)

V. PAYMENT:

ONE-TIME, FULL PAYMENT shall be processed be after completion of the project subject to submission of following complete documents:

- Project Pictures
- Invoice/Billing Statement
- Certificate of Completion/Acceptance (as applicable)

VI. LIQUIDATED DAMAGES:

Once the contractor fails to satisfactorily complete the works under the contract within the specified contract duration, inclusive of duly granted time extensions, if any, the contractor shall be liable for liquidated damages in an amount equal to at least one-tenth (1/10) of one percent (1%) of the cost of the unperformed portion of the works for every day of delay.

In computing liquidated damages, the DBP shall determine the usability of the project. A project or a portion thereof may be deemed usable when it starts to provide the desired benefits as certified by the targeted End-User or Implementing Units and the DBP.

To be entitled to liquidated damages, the DBP does not have to prove that it has incurred actual damages. Such amount shall be deducted from any money due, or which may become due the contractor under the contract, collected from the retention money or other securities posted by the contractor, or a combination thereof, whichever is convenient to the DBP.

In case the total sum of liquidated damages reaches ten percent (10%) of the total contract price, the DBP may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances. This does not, however, preclude the DBP in resorting to Termination of Contract under Section 71.4 of the IRR of R.A. 12009.

Recommended by:

MARK GIL H. BAYOS

Branch Services Officer, DBP Virac Branch

Approved by:

BRENDA G. BRIZO

Head, DBP Virac Branch