

# ***Section VII. Technical Specifications***

## **Notes for Preparing the Technical Specifications**

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

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

### **Sample Clause: Equivalency of Standards and Codes**

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "*or at least equivalent.*" References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# Technical Specifications

Item No.	Specification	Statement of Compliance
		<p><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></p>
<b>LOT 1: AIR-CONDITIONING UNITS (P789,000.00)</b>		
5	<p><b>BRANDED AIR-CONDITIONER</b></p> <p>3.0 TR Floor Mounted Aircon, Inverter, Refrigerant R410A, Ultra High efficiency, Fan Motor, 24hr, timer, Auto swing, anti rust, with electrical wirings, circuit breaker, bolt-on NEMA 3R wall Bracket, and Base support, with 10 ft. Copper Tube, includes Supply, Delivery, Installation and Commissioning to USTP-Panaon Campus</p>	
<b>LOT 2: ICT EQUIPMENT (P725,000.00)</b>		
1	<p><b>BRANDED MULTI-FUNCTION PRINTER</b></p> <p>A3 Refill Ink Tank Multi-Function Center with Wireless &amp; Ethernet Connectivity, Automatic 2-sided Color Print, ADF - Scan/Copy/Fax.. Professionally Designed for Fast Print Speeds, Low</p>	



	<p>Cost High Resolution Photo Quality with Ultra High Yield Ink Bottles, Wi-Fi Direct, Mobile &amp; USB Print; includes delivery to USTP Panaon, with 3 sets of Ink per Color</p>	
3	<p><b>BRANDED ALL-IN-ONE COMPUTER</b></p> <p>27inch FHD   1920x1080 resolution   Intel Core i7-13th Gen Processor (P-core up to 5.0 GHz, E-core up to 3.7 GHz, 18 MB Intel Smart Cache, 4 P core/8 E core/16-thread, 28W)   16GB soDIMM DDR4   512 GB M.2 2280 PCI-e Gen4 SSD + 1TB HDD 2.5-inch 5400 RPM/ NVIDIA GeForce MX550 with 2 GB of GDDR6   802.11ax/ac/a/b/g/n, Wi-Fi 6E and Bluetooth 5   Windows 11 Home SL; includes delivery to USTP Panaon, with USB Mouse, Keyboard and Integrated Built-in Webcam</p>	
4	<p><b>BRANDED 1U RACKMOUNT SERVER</b></p> <p>Intel Xeon E3-2124 Processor, 16GB DDR4 ECC UDIMM, Onboard Broadcom 5720 Dual Port 1Gb LOM, Integrated RAID Controller, 1TB 7.2K RPM (1 x 1TB) SATA 6Gbps 3.5" Hot Plug HDD, 3Yr Next Business Day Onsite Service, Single Power Supply 250W, Rail kit</p>	
6	<p><b>BRANDED DOCUMENT DUPLICATOR</b></p> <p>Scan, Print, Create; Packaged With Consumables and Delivery to USTP Panaon Operation Mode: Thermal Master Making, Memory Print B4 Scan, B4 Print Scan Mode: Document Feed Original Type: Sheet, Two in One Image Processing Mode: Text/ Text &amp; Picture/ News Paper/Pencil Original Size (Min/Max) : Min: 90x140mm, Max :297 x 420mm Printing Area (Max): 252 x355mm Paper Size (Min/Max): 90x 140mm, Max:297 x 420mm Master Making Speed: 19s (A4 vertical) Resolution: 300 x 400dpi Print Reproduction Ratio: Reductions: 71%, 81%, 87%, 94%; Enlargement: 100%, 115%, 122%, 141%; Free Zoom: 50-200% (1% increment) Paper Weight( Min/ Max): 40-200gsm Paper Feeding Capacity: 950 Sheets (60gsm) Paper Receiving Capacity: 1,200 sheets (60gsm) Print Speed: Five Steps Variable (55/70/85/105/120/140ppm)</p>	

**LOT 3: ROUTING AND SWITCHING EQUIPMENT (P650,000.00)**

**ROUTING AND SWITCHING EQUIPMENT**

2

For CCNA Laboratory; includes: three 4331 routers, three C1000- 24T switches, two 1262 wireless access points, three NIM 2T or six MIN- 1T cards, Console Cable: USB-RJ45 Console Cable - CAB-CON-USB, with 3mtrs CAT6 Patch Cable(30pcs); Serial Cable compatible to Network Interface Module Serial Adapter(6); includes Networking Racks with rack power bar and rack cable management; includes delivery and installation to USTP Panaon, USTP Cisco Academy Partner

**\*\*\*\*\* Nothing Follows\*\*\*\*\***

**Additional Requirements:**

The technical specification that shall be submitted by the Bidder shall include, among others:

- a. *product specifications as supported by brochures or catalogues for Lot 1, 2 & 3;*
- b. *bidder's certification for one (1) year warranty for Lot 1, 2 & 3;*
- c. *bidder's certification of the availability of Service Center within Visayas and Mindanao for Lot 1, 2 & 3; and*
- d. *certification from manufacturer/distributor that bidder is authorized to resell for Lot 1, 2 & 3.*