

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>
<p>LOT 1 – Cloud Hosting for USTeP (P1,200,000.00)</p>		
1	<p>Cloud Hosting for USTEP LMS with Migration to On-Premises Datacenter (4 months)</p> <ul style="list-style-type: none"> - Elastic Compute Application Load Balancing (32Core vCPU 64GB RAM Application Server + 1x RDS 32Core 64GB DB Server + 8TB Storage) with end-point security/SSL, - daily cloud incremental back-up and one-full migration to USTP-DataCenter (on- premise running application date database at USTP Datacenter, CDO), - 99.9% SLA Reliability, - 24/7 web access and visibility in 8 campuses, - 99.9% Uptime and Web visibility, - Throttled/elastic/Auto scaling: -15% on regular days and +25%/optimized/bursts optimized during enrollment/grading period, - VAT Inclusive. 	



LOT 2 – Cloud Hosting for PRIISMS (P6,000,000.00)

2	<p>Cloud Hosting for PRIISMS School Management System (15 months)</p> <ul style="list-style-type: none">- Elastic Compute Application Load Balancing (32Core vCPU 64GB RAM Application Server + 1x RDS 32Core 64GB DB Server + 8TB Storage) with end-point security/SSL,- daily cloud incremental back-up and monthly remote on-premise running application data + database backup at USTP Datacenter,- 99.9% SLA Reliability,- 24/7 web access and visibility in 8 campuses,- 99.9% Uptime and Web visibility,- Throttled/elastic/Auto scaling: -15% on regular days and +25%/optimized/bursts optimized during enrollment/grading period,- VAT Inclusive.	
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LOT 3 – PRIISMS Software Maintenance (P2,500,000.00)

3	<p>PRIISMS Software Maintenance Agreement (SMA) and Technical Support (12 months)</p> <p>1. PROJECT OBJECTIVES This project (item) should have the following objectives:</p> <ul style="list-style-type: none">1.1 To ensure the continuous operation and availability of the PRIISMS Integrated School Management System.1.2 To ensure that the system is up-to-date, secured, and free from bugs and errors.1.3 To provide technical support and assistance to USTP in the event of system issues or concerns.1.4 To ensure that the system is secure and protected from unauthorized access or data breaches. <p>2. SCOPE OF WORKS AND DELIVERABLES The following deliverables are expected from the bidder:</p> <ul style="list-style-type: none">2.1 Regular software updates to ensure that the system is up-to-date and free from bugs and errors.2.2 System monitoring reports to ensure that the system is always operational and available.2.3 Technical support and assistance to USTP in the event of system issues or concerns.	
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<p>2.4 Maintenance and repair reports for hardware and software infrastructure, including servers and network components.</p> <p>2.5 Security monitoring reports ensure that the system is secure and protected from unauthorized access or data breaches.</p> <p>2.6 SMA includes the additional functionality and features, as requested by end-users:</p> <ul style="list-style-type: none"> i. Inclusion of “In-Progress” Grade in PRIISMS. ii. Enrollment option for College of Medicine - single/annual semester with four (4) grading period format. iii. API for Student Billing, and Payment (Connectivity from PRIISMS to GIAMS Billing and Collection Module) iv. Reporting updates for reportedly skipping records v. Cashier’s – Collecting modules, Auto-print OR functionality vi. Enhancement of CHED and UNIFAST Billing and Reports <p>2.7 Other functionality and features that may be requested by the end-users during the duration of the contract.</p> <p>2.8 Backup and maintain a functional/running Mirror Server/Remote Server of the PRIISMS at the local USTP datacenter located at the ICT Building, USTP-CDO.</p> <p>2.9 Turn over the credentials of PRIISMS to include the database root password, system super administrator password, or equivalent to the designated USTP data center in charge.</p> <p>3. Technical Support and Service Request Response Time</p> <ul style="list-style-type: none"> 3.1 Within 4 hours: Time to acknowledge the service request 3.2 Within 24 hours: Time to revert with initial blueprint/data gathering 3.3 Within 48 hours: The solution request is shared with the level of complexity 3.4 End User Support (Phone/Email/Remote) 3.5 Password resets, account, and asset recovery support with Microsoft 365 <p>4. The bidder must provide a project team composition comprising the following:</p> <ul style="list-style-type: none"> 4.1. One (1) Project Manager: Oversee all projects aspects, and coordinate with USTP stakeholders. 	
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	<p>4.2 At least one (1) PRIISMS Engineer: Handle technical deployment, infrastructure integration, and troubleshooting.</p> <p>4.3 At least one (1) PRIISMS Online Assistant/HelpDesk: Deliver engaging and effective online helpdesk and training.</p>	
<p>***** Nothing Follows*****</p>		

Additional Requirements:

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

- a. *notarized affidavit of strict compliance to Data Privacy Act of 2012 and confidentiality for Lot 1, 2 & 3;*
- b. *bidder shall present implementation and migration plan in illustrative form, and schedule of activities or equivalent that outlines on how they intend to set up a server, load balancing, and migrate the existing cloud application and data within seven (7) days with near zero-downtime for Lot 1 & 2;*
- c. *bidder shall present a project organizational structure of the implementation team who shall liaise with USTP and shall implement and support the system 24/7. This document shall be notarized and include the names, contact numbers and proof of employment of the implementation team for Lot 1, 2 & 3; and*
- d. *bidder shall present a written clearance or consent from the owner of the proprietary software for Prisms Integrated School Management System, allowing the bidder to secure copy of the codes to the new cloud instance considering that USTP has only perpetual license to use for Lot 2 & 3.*

