



**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

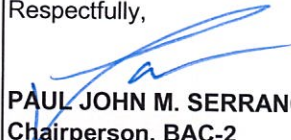
ITB No.:	18-09-2109	Date:	September 7, 2018
PR No.:	GAA-18-08-6570	Date:	August 30, 2018
Source of Funds:		GAA	
Total ABC:		Php 1,250,000.00	
Time, Date & Venue of Pre-bid Conference:		September 21, 2018, 1:30 PM at DOST-ASTI	
Time and Date of Submission of Bids:		October 3, 2018, 12:00 PM	
Time, Date & Venue of Opening of Bids:		October 3, 2018, 2:00 PM at DOST-ASTI	
Date of availability of Complete Set of Documents:		September 13, 2018	
Deadline of Potential Bidder's Clarifications:		September 23, 2018	
Deadline of ASTI's Supplemental Bid Bulletin:		September 26, 2018	
Delivery Schedule:			

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested bidders to submit their bids for the item(s) listed below. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - www.asti.dost.gov.ph

For further inquiries, contact ASTI's BAC Secretariat via email at bac-sec@asti.dost.gov.ph. Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,


PAUL JOHN M. SERRANO
Chairperson, BAC-2

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE (Php)	TOTAL PRICE (Php)
1	<p>UPS</p> <p>1. Upgrade of existing ASTI NOC Symmetra PX 2 UPS - 32KVA scale-up to 48KVA</p> <p>2. Supply, delivery and installation of brand new: 2.1 Additional Power Module for existing UPS - 1 unit</p> <p>Output power capacity: - 16.0 KWatts / 16.0 kVA per power module - 230V , 400V 3PH - Configurable for 380 : 400 or 415 V 3 Phase nominal output voltage - 95 % Efficiency at Full Load - Less than 2% Output Voltage Distortion - 50/60 Hz +/- 3 Hz user adjustable +/- 0.1, Output Frequency (sync to mains) - 50Hz +/- 0.1% for 50Hz nominal Output Frequency (not synced) - Double Conversion Online Topology - 10 minutes @ 125% and 60 seconds @ 150% , Overload Operation - < 2% for 0 to 100% linear load and < 6% for full non linear load, Output Voltage THD - +/-1% static and +/- 5% at 100% load step - Output Voltage Tolerance</p> <p>Input power capacity: - 400V 3PH, Nominal Input Voltage - 40 - 70 Hz, Input frequency - Hard Wire 5-wire (3PH + N + G), Input Connections - 340 - 477V, Input voltage range for main operations - 95%, Efficiency at Full Load - Less than 5% for full load, Input Total Harmonic Distortion - 30.0kAmps, Maximum Short Circuit Withstand (Icw) - 33.0A, Maximum Input Current * 0.99 , Input Power Factor</p>	1	lot	1,250,000.00	1,250,000.00

at Full Load

Physical:

- Maximum Height, 132mm , 13.2CM
- Maximum Width , 483mm , 48.3CM
- Maximum Depth, 700mm , 70.0CM
- Rack Height, 3U * Net Weight, 28.5KG

2.2 Additional Power Distribution Unit - 6 units

Type: Metered Orientation:

Vertical, Zero U

Load capacity: 7400va

Maximum input current: 32 A

Input connections: IEC 309 32A

Output connections: (6) IEC 320 C19 (Battery Backup)

maximum (36) but not less than 21 (C13) ,IEC

320(Battery Backup)

Nominal Voltage: 230V :

- Shall have Hydraulic-magnetic circuit breakers
- Shall have Locking IEC receptacles and locking power cord compatible
- Shall have Environmental monitoring port for external temperature/humidity monitoring

Display and Management:

- Shall have User-interactive LCD display for local access
- Shall have Field-replaceable network management module
- Shall have Local USB port for easy local firmware updates
- Shall have Active current measurements (amps) and power metering capability
- Shall have User-customizable alarms and warnings
- Shall have Embedded log memory to record/review/report historic metered data

2.3 Additional POWER DISTRIBUTION MODULE UNIT

(PDMU) - 1 unit

Output:

- 230V , Nominal Output Voltage
- 32 Maximum Total Current Draw

Input:

- 400V 3PH, Nominal Input Voltage
- 50 Hz , Input frequency
- 32A, Maximum Line Current
- Shall include Circuit breaker, power cord , power connection and circuit monitoring
- Power distribution module must be tested and assembled in the Philippines

3. BIDDER'S ELIGIBILITY REQUIREMENT

1. Bidder should have at least one (1) Single Largest Completed Contract SLCC similar to the contract to be bid. A similar contract refers to supply and installation of Modular Uninterruptible Power Supply (UPS).
2. Bidder must have employed and assign as authorized safety officer to oversee the implementation of the project. Copy of certification of safety training shall be attached in the bid documents. Training bodies shall be accredited by Department of Labor and Employment.
3. Bidder must be Certified Service Sales Partner of the product offered to ensure of its technical expertise on the offered solution. Copy of the Certificate to be provided should be signed and issued by Principals Country Service Head/Director.
4. Bidder must have at least one (1) certified Data Center Professional and has been employed to the bidder for at least three (3) years.
5. Bidder should provide a certificate that it has 24x7 technical support capabilities together with its Technical Organizational Structure. Bidder should identify the person in-charge on restoring service due to outages and provide his contact details like contact person, position, contact numbers and email address.
6. The Bidder shall have at least five (5) years' experience in undertaking similar modular UPS project. Valid proof of documents to be provided along with the bid submission.
7. The Bidder must have at least one (1) electronics/electrical engineer fully certified by the vendor on

<p>brand being offered with a minimum two (2) years' experience in the UPS-Electrical System installation, configuration and troubleshooting. Certified Engineer/s must be employed by the bidder for at least Two (2) years Copy of the Certification shall be provided.</p> <p>8. Bidder offered brand should have manufacturing plant here in the Philippines.</p> <p>9. Bidder's Manufacturer/ Principal should have Customer Care Center in the Philippines.</p> <p>10. Bidder must provide cut-over methodology/procedure to minimize if not eliminate downtime.</p> <p>11. Bidder must provide technical support in the event of any problem with the existing UPS that will arise during the equipment upgrade.</p> <p>4. Others</p> <ul style="list-style-type: none"> - Price is inclusive of VAT - Delivery 30 - 45 days after receipt of PO - With at least one (1) year warranty. 				
TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):				PHP 1,250,000.00
RESERVATION CLAUSE				
<p>The Advanced Science and Technology Institute reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.</p>				