



Republic of the Philippines
Department of Science and Technology
PHILIPPINE TEXTILE RESEARCH INSTITUTE
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ISO 9001:2015
Cert No. 01 100 127458

INVITATION TO BID

1. The **PHILIPPINE TEXTILE RESEARCH INSTITUTE (PTRI)**, through the PCIEERD-GIA Project "**Establishment of the PTRI Perfect Fit Textile...**" intends to apply the sum of **EIGHT MILLION PESOS (Php8,000,000.00)** being the total Approved Budget for the Contract (ABC) for payments of **One (1) Lot Digital Cutter** inclusive of taxes, fees, delivery costs and other incidental charges.

Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The PTRI, now invites bids for the rebidding of "Procurement of One (1) Lot Digital Cutter" with **210 CALENDAR DAYS** delivery period. Bidders should have completed, within five (5) years from the date and submission and receipt of bids, a contract similar to the Project as provided for in Section 23.4.1.3 (a) and (b) of the IRR of RA 9184. The description of an eligible bidder is contained in the Bidding Documents, particularly in Section II, Instruction to Bidders.
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the Revised Implementing Rules and Regulations (IRR) of Republic Act No. 9184 (RA 9184), otherwise known as the "Government Procurement Reform Act" (*Handbook on Phil. Government Procurement, 8th Edition, 2016*)

Bidding is restricted to Filipino citizens/sole proprietorship, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws and regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183 and subject to Commonwealth Act 138.

4. Interested bidders may obtain further information from PTRI and inspect the Bidding Documents at the address given below from 8:00 a.m. to 5:00 p.m.

A complete set of Bidding Documents in soft copy contained in a CD may be purchased by interested Bidders from the BAC Secretariat upon payment of **Eight Thousand Pesos (Php8,000.00)**.

It may also be downloaded free of charge from the website: <https://www.ptri.dost.gov.ph> of the Procuring Entity, provided that upon submission of their bids, the bidders shall pay the corresponding fee.

5. The PTRI will hold a **Pre-Bid Conference** on **23 April 2019 at 10:00 a.m.**, PTRI Training Room, PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City, which shall be open to all prospective bidders.
6. Bids must be delivered to PTRI Training Room, PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City, on **08 May, 2019 from 9:00 a.m. to 10:00 a.m.** All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 1.18 or a **Bid Securing Declaration**.

Bid Opening shall be on **08 May 2019 at 10:00 a.m.**, at the PTRI Training Room, PTRI Main Building, General Santos Avenue, Bicutan, Taguig City. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address above. Late bids shall not be accepted.

7. The bidders shall submit three (3) sets of their duly accomplished eligibility requirements and Technical, and Financial Proposal in two (2) separate sealed envelopes, contained in an outer envelope.
8. The PTRI reserves the right to accept or reject any bid, to annul the bidding process at any time prior to contract award, without thereby incurring any liability to the affected bidder or bidders.
9. For further information, please refer to:
Marilou G. Agustin
Property, Procurement and General Services Section (PPGSS)
Tel. No. (02) 837 2071 (loc. 2373) or
Tel. / Fax No. (02) 837 0744
mgagustin@ptri.dost.gov.ph


CORAZON I. TAPULGO
PTRI BAC Chairperson

Technical Specifications

Item	Specification	Statement of Compliance
1. DIGITAL CUTTER		
Particulars:		
Cutting Width:	≥ 2.0 m (79 in.)	
Cutting Height (compressed):	single ply - 7.2cm (max.)	
Cuttable Length per bite:	≥ 1.8 m (71 in.)	
Noise Level (max):	≤ 80 dB	
Table Height:	80 to 90cm	
Table Weight:	≤ 4,700kg	
Head Acceleration (max):	≥ 245 cm/s^2	
Cutting Speed (max):	≥ 18m/min	
Power Requirements:	<ul style="list-style-type: none"> • Average Energy Consumption 18.5 kWh to 20 kWh • Table Vacuum: 380/440V, 3 phase, 60 Hz, 40 A • Control Power: 3-wire 200V-240V, single phase, 60 Hz, 20A • Compressed Air Consumption 85 L/min. @ 6,8 bar or 3 SCPM @ 100 PSI 	
Operating Temperature (max):	≤ 45°C	
Additional Features:		
<ul style="list-style-type: none"> • Variable cutting speeds that can cut through a different types of fabrics • Can change cut angle and cut path accurately in different speed • With Cutting Software (perpetual license) and Operator Console • With Table Vacuum • With emergency buttons and beam paddles • Touchscreen User Interface • Vacuum Resealer 		
INCLUSIONS:		
Installation, Commisioning, and Training		
<ul style="list-style-type: none"> • Dismantling of existing glass and plywood partitions • Renovation of the dismantled glass and plywood partitions • Provisions for electrical installation of the equipment • Inclusion of a step-up generator relevant to the power requirements of the Table Vacuum • Additional four (4) trainings for a period of one (1) year 		
Operating supplies:		
<ul style="list-style-type: none"> • Perforated underlay paper, pattern board • Plastic film overlay • Knives & drill bits • Grinding wheel assemblies • Barrier strips, adhesive, and foam seals 		
10KVA AVR with Transient Voltage Surge Suppressor (TVSS)		
• DIGITAL PLOTTER		
Weight:	≤ 120 kg	
Operating Temperature	≤ 50°C	
Power:	100-260 V Auto Switch/70W	
Max Paper Weight:	≤ 45kg	

Max Paper Roll Diameter:	200mm	
Paper Width Frame:	1.80m	
Throughput:	≥ 75 sqm/hr	
File Types Accepted:	HPGL, DXF, and NC	
Noise level:	≤ 60 dB	
Resolution:	≥ 300 dpi	
Productivity for standard quality in m/hour for a 1.60m width:	≥ 80 sqm/hr	
Productivity for high quality in m/hour for a 1.60m width:	≥ 70 sqm/hr	
Media Accuracy:	+/- 0.1%	
Additional Features:	2-Head Plotter USB and Ethernet interface Windows 10 capable	
Inclusions:	• Plotter Paper	
	• Inks	
• 2 Units LAPTOPS		
Processor:	Intel Core 8th Gen i7-8750H	
Storage:	≥ 256GB SSD and 1TB HDD	
RAM:	≥ 16GB DDR4 ≥ 2400MHz	
Chipset:	Intel HM370 or better	
Screen Size:	15.6” FHD, 1920 x 1080, IPS Level	
Graphic Video Card:	≥ 4GB GDDR5 GTX 1050 Ti or better	
OS:	Windows 10 or better (with MS OFFICE 2016)	
• 1 unit LAPTOP		
Processor:	1.6GHz dual-core Intel Core i5, Turbo Boost up to 3.6GHz, with 4MB L3 cache	
HDD:	≥ 512 GB PCIe SSD	
RAM:	≥ 8GB LPDDR3 (2133 MHz)	
Camera:	720p FaceTime HD camera	
Screen/Display:	13.3-inch (diagonal) LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 ppi	
Graphics:	Intel UHD Graphics 617	
OS:	macOS	
Inclusions:	Apple Ethernet Adapter, USB-C Digital AV Multiport Adapter,	
• 1 unit 2 – in – 1 Detachable Laptop		
Processor:	2.6GHz Intel Core i5-7300U (Dual-Core)	
SSD:	256 GB	
RAM:	8GB	
Screen Size:	12.3” PixelSense 10-Point Touch Display	
Screen Resolution:	2736 x 1824 Screen Resolution (267 ppi)	
Graphics:	Intel Integrated Graphics 620	
Wireless Connection:	802.11ac Wi-Fi, Bluetooth 4.0	

Camera:	<i>5MP Front Camera, 8MP Rear Camera</i>	
OS:	<i>Windows 10 Pro (with MS OFFICE 2016)</i>	
Inclusion:	<i>Keyboard, Mouse and Pen</i>	
I/O Ports:	<i>USB 3.0 Type – A, Mini Display Port, microSD Card Slot</i>	
INTENSIVE WARRANTY FOR THE EQUIPMENT		
<i>Warranty period for ≥ 12 months for Hardware (parts and services)</i>		
<i>and Software (software upgrades and tech support)</i>		
<i>Provisions for easy access to Operating Supplies and Replaceable parts for a period of one (1) year</i>		
Charge to PCIEERD-GIA:“Establishment of the PTRI Perfect Fit Textile Product.....”		