



INVITATION TO BID

1. The PHILIPPINE TEXTILE RESEARCH INSTITUTE (PTRI), through the DOST-GIA Project "Establishment of TELA-Regional Yarn Production and Innovation Center" intends to apply the sum of **TWO MILLION SIX HUNDRED FIFTY THOUSAND PESOS (Php2,650,000.00)** being the total Approved Budget for the Contract (ABC) for payments of **One (1) Lot 50Hp Steam Boiler** 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 "Procurement of **One (1) Lot 50Hp Steam Boiler** with **180 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 23.5.1.3 (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 BAC Secretariat 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 **Two Thousand Six Hundred Fifty Pesos (Php2,650.00)**.

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

5. The PTRI will hold a **Pre-Bid Conference** on **18 May 2018 at 2:00 p.m.**, PTRI Training Room, PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City, which shall be open only to all interested parties who have purchased the Bidding Documents.
6. Bids must be delivered to PTRI Training Room, PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City, **on or before 2:00 p.m., on May 31, 2018**. 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 **May 31, 2018 at 2:00 p.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	<p>50Hp Steam Boiler.</p> <p>Horizontal , Fire tube, self contained package-type, fully automatic operation, factory assembled, ready for connection to water, steam, fuel, gas, drain, electrical and vent connection, with the following specifications:</p> <p>General Description/specifications:</p> <p>1. Steam Boiler and Burner</p> <ul style="list-style-type: none">- Boiler Horsepower = 50Hp- Type = Horizontal- Design = Dry-back, 3-Pass- Steam Capacity = 1,725 lbs/h of steam @ 212°F- Design Pressure = 150-psi- Operating pressure = 145-psi- Maximum steam pressure = 354°F- Heating surface = 5ft²/BHP- Steam Chamber = with steam separator and chamber- Includes piping connection <p>Material Specifications</p> <ul style="list-style-type: none">- Shell = Boiler Plate A515 Gr. 70- Flue Tube = Boiler Plate A515 Gr. 70- Flue Sheet = Boiler Plate A515 Gr. 70- Tube = STBH 340E 50mmØ x 3.2mm thick, gauge # 10- Cladding = Ga.22 (color: fire red oven baked)- Insulation = 50mm thick, Rockwool @ 650°C service temperature- Shell and Dorr Flange = MS Plate A-36 <p>Burner</p> <ul style="list-style-type: none">- Brand/Maker = Japan- Fuel = Diesel- Control Supply = 220V/380V; 3-Phase; 60 Cycles- Mode of Operation = On/Off/Pressure atomized <p>Feed Water Connection</p> <ul style="list-style-type: none">- 2-unit Disc type check valves 150lbs boiler side- 2-unit Globe valve- 1-unit Spring loaded check valve 800lbs capacity- 1-unit Pressure gauge on the boiler feed line <p>2. 1-Unit Feedwater Tank</p> <ul style="list-style-type: none">- Capacity = 60 gal- Model/Type = FWT-60- Mode of Operation = Controlled by mechanical float valves and sight galss; with y-strainer; with drain line; with angular structural support and base plate. <p>3. 1-Unit Fuel Day Tank</p> <ul style="list-style-type: none">- Capacity = 60 gal- Model/Type = FDT-60- Mode of Operation = Controlled by mechanical float valves and sight galss; with y-strainer; with drain line; with angular structural support and base plate. <p>4. 1-Feedwater Tank</p> <ul style="list-style-type: none">- Capacity = 1.55 m³/h- Total Dynamic Head = 105m- Power Supply = 220V/460V; 3-Phase; 60Hz- Impeller = Stainless Steel; Vertical type- Mode of Operation = Automatic cut-off of the feed pump, complete with sensor for flow and low water level, pressure gauge and continuous level control devices	

	<p>5. 1-Unit Control Panel</p> <ul style="list-style-type: none">- With circuit breakers, pilot lamps, magnetic contactors, relays & motors controller; power indicator; feed water pump; fuel pump burner; flame detection; Hi-Low interlock steam press; low water level alarm systems; motor on/off switch indicator <p>6. 1-Unit Smokestack</p> <ul style="list-style-type: none">- Materials = MS palte A-36, 4' x 8' x 1/8" thick, required with ash pit clean outlet flanges- Size = 250-mm Ø / 300mmØ x 3mm thick x 40ft long; with stack temperature gauge; rain cap; guy wire; inspection port for DENR- Painting = Hi-heat @ 1800°F service temperature- Connection = Rear side of the boiler <p><i>Note:</i></p> <ol style="list-style-type: none"><i>1. Installation, test run and commissioning for two weeks prior to acceptance and training included</i><i>2. Warranty: 1 year parts and service</i><i>3. Place of delivery: Institute of Science and Technology University (ISATU), Miag-ao, Iloilo</i>	
--	--	--