



INVITATION TO BID

1. The **PHILIPPINE TEXTILE RESEARCH INSTITUTE (PTRI)**, through the DOST-GIA Project entitled "Upscaling and Expanding the Production and Application of the Philippine Natural Dyes..." intends to apply the sum of **THREE MILLION FOUR HUNDRED SIXTY THOUSAND PESOS (Php3,460,000.00)** being the total Approved Budget for the Contract (ABC) for payments of the following:

Item	Qty.	Particular	ABC
1	1 Lot	Spray Dryer	Php1,460,000.00
2	1 Lot	Upscale Natural Dyeing Machine (Fabricated)	Php2,000,000.00

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

2. The PTRI now invites bids for the above equipment with **90 CALENDAR DAYS** delivery period. Bidders should have completed, within ten (10) 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 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, 6th Edition, 2012*)

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.

4. A complete set of Bidding Documents (soft copy contained in a CD) will be purchased by interested Bidders from **June 04 to June 22, 2015** from the BAC Secretariat, Property, Procurement & General Services Section, PTRI Main Building and upon payment of a **non-refundable fee of 0.1%** of the individual ABC to the PTRI Cashier. Detailed specifications of the items are posted and can be viewed at the PTRI website:
http://www2.ptri.dost.gov.ph/index.php?option=com_docman&task=doc_download&gid=96&Itemid=37
5. The PTRI will hold a **Pre-Bid Conference** on **June 10, 2015 at 9:00 a.m., PTRI Training Room, PTRI Main Building**, Gen. Santos Ave., Bicutan, Taguig City, which will be open only to all interested parties who have purchased the Bidding Documents, as provided for in Section 22.3 of the IRR.
6. Bids must be delivered to **PTRI Training Room, PTRI Main Building, Gen. Santos Ave., Bicutan, Taguig City, on June 22, 2015 from 8:00 a.m. to 9:00 a.m. (Item 1) and 9:00 a.m. to 10:00 a.m. (Item 2)**. All Bids must be accompanied by a bid security in any of the acceptable forms (Sec. 27.2, Revised IRR) and in the amount stated in ITB Clause 18 plus a **Bid Securing Declaration**.
7. Bid opening shall be on **June 22, 2015, 9:00 a.m. (Item 1) and 10:30 a.m. (Item 2)**. Bids will be opened in the presence of the Bidders' representatives who submitted their bid proposals and who choose to attend at the given address above. Late bids shall not be accepted.
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. In instances that may arise and not specifically mentioned herein, the PTRI resolve bidding issues by resorting to and applying the pertinent provisions of R.A.9184 and its Revised Implementing Rules and Regulations.

Original Signed

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BAC Chairperson
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Technical Specifications

Item	Specification	Statement of Compliance
1	<p>Spray Dryer</p> <p>Specifications:</p> <p>Capacity</p> <ul style="list-style-type: none">- ≥16 liters/hr <p>Materials</p> <ul style="list-style-type: none">-stainless steel 304, 2mm thick for drying chamber, 2mm thick for insulation cover.- Insulation- fiber glass with aluminum foil in one (1) side, three (3) layers to make one and a half (1 1/2) inches thick.-Heat generating chamber- 2mm thick stainless steel 304 up to air diffuser.-Cyclone separator and bag filter holder - 1.8 mm stainless steel.- Ducting - 3" diameter stainless steel tube with stainless steel ferrol connectors on both ends for easy connect & disconnect. <p>Heater (4 units)</p> <ul style="list-style-type: none">- 2" high pressure LPG torch and one pc 1" Ø. <p>Dimensions</p> <ul style="list-style-type: none">-Drying Chamber: 5 ft. diameter x 6 ft. high(straight side), 3.5 ft. cone-Heat generating chamber: 16" diameter x 30 " long-Cyclone Separator: 10" dia. straight side x 8" long x 24" cone-Ducting: 3" Ø stainless steel tube-Powder Collector: 8" dia. X 18" long <p>Accessories</p> <ul style="list-style-type: none">- 5 Hp high pressure blower-atomizer-digital temperature controller-digital thermometer-control panel board-high pressure pump, 3 HP electric motor, 220V, 60Hz, 3 phase <p>Terms and Condition:</p> <p>1 year warranty on materials and workmanship</p> <p>Vat inclusive</p>	
2	<p>UPSCALE NATURAL DYEING MACHINE (FABRICATED)</p> <p>1.1 Yarn dyeing tank and accessories</p> <ul style="list-style-type: none">a. 600 L volume rectangular stainless steel tank; dimensions: (80cmx60cmx130cm), SS304, gauge 9 (4mm)b. Gear assembly for yarn dyeing (stainless steel gears for drive and gear train assembly) w/ speed reducer controlsc. Stainless steel tank cover (90cmx70cm); welded hinges, SS304, gauge 9 (4mm) w/ attached pressure relief valve, pressure gauge, temperature gauged. Locking mechanism - heavy duty latch type locking mechanism	

	<p>e. Centrifugal pump - 1 - 1/2 hp, stainless steel impeller and body for high temperature and pressure. For liquid recirculation.</p> <p>f. Stainless steel rectangular basket, perforated w/ 3-5mm dia. holes (50cmx110cmx75cm), SS304, 3mm thickness, welded hinges for cover and latch lock with attached stainless steel side bar handles.</p> <p>g. Detachable stainless steel hank yarn dyeing assembly (see attached diagram for details).</p> <p>1.2 Dyeing and extraction machine and accessories</p> <p>a. 300 L Volume cylindrical stainless steel tank, SS304, gauge 9</p> <p>b. Stainless steel tank cover, SS304, gauge 10 w/ pivot arm welded/screwed; counterweight</p> <p>c. Locking mechanism - toggle hook/ pull action latch clamp stainless steel</p> <p>d. Dye extract viewing compartment - stainless steel w/ sight glass rectangular - (36cmx31cmx31cm)</p> <p>e. Centrifugal pump - 1-1/2 hp, stainless steel impeller and body for high temperature and pressure.</p> <p>f. Stainless steel basket - filter mesh SS304 mesh 30, volume -230 L, latch type locking mechanism and SS support framing and handles</p> <p>1.3 Winch type fabric dyeing machine (fabrication) (see attached drawing with specifications)</p> <p>1.4 Electric steam boiler (steam capacity - 150kg/hr; 3-50 kw; max. pressure - 7 bar; steam temperature - 130°C-170°C)</p> <p>1.5 Set-up and Control Mechanism</p> <p>a. Control panel - power and motor pump controls, temperature and pressure monitoring</p> <p>b. Gauges and valves - temperature and pressure gauges, water level gauges, stainless steel 304 - gate valves, ball valves, check valves, pressure relief valves, steam trap valves</p> <p>c. Pipes and fittings - all stainless steel pipes and fittings SS304; water and solution pipes 1/2" - 1" ; drain pipes and recirculation pipes 1- 1/2-2"</p> <p>d. Stainless steel support/ footing for steel tank - c- bar; metal platform (checkered plate) and step ladder</p> <p>e. Electric chain hoist w/ moveable ball bearing trolley, 1/2 ton capacity w/ I-beam frame assembly</p> <p>1.6 Additional Accessory</p> <p>a. Electric metal chooper for dye plants (leaves, barks, etc.) - fabricated</p> <p>Terms and Condition:</p> <p>1 year warranty on materials and workmanship</p> <p>Delivery period: ≤ 60 calendar days</p>	
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