



Republic of the Philippines  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
Regional Office No. 13, Caraga  
CSU Campus, Ampayon, Butuan City  
Telephone #: (085) 342-5345, 341-9551, Fax #: 342-5684

*Supply, Delivery and Installation for the Project “Exhibits for CARAGA Regional Science Centrum”*

**INVITATION TO BID**

Bid Bulletin No : **2019-08-598**

1. The **DEPARTMENT OF SCIENCE AND TECHNOLOGY-CARAGA**, through the General Appropriations Act 2019 intends to apply the sum of **₱ 3,890,000.00** being the Approved Budget for the Contract (ABC) for **LOT 1** – Equipment for the Project “Exhibits for Caraga Regional Science Centrum” and **₱180,000.00** being the Approved Budget for the Contract (ABC) for **LOT 2** - IT Equipment for the Project “Exhibits for Caraga Regional Science Centrum” to payments under the contract for **PR # 2019-08-598**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The **DEPARTMENT OF SCIENCE AND TECHNOLOGY-CARAGA** now invites bids for the following.

Quantity / Unit	Particulars	Approved Budget
<b>LOT 1</b>	<b>EQUIPMENT FOR CARAGA REGIONAL SCIENCE CENTRUM</b>	
<b>1 set</b>	<b>Anti-Gravity Mirror</b>	<b>149,300.00</b>
	<b>Specifications:</b>	
	Mirror : Flat Mirror	
	Backboard: made with marine plywood	
	Adhesive: Mirror Tape	
	Frame: Square steel Tube	
	Base surface: non-slip rubber tile	
	Paint finish: Lacquer Paint Finish	
	Hardware: Assorted bolts and nuts	
	Dimension: 1.8m x 1.2m x 1.8m	
<b>1 set</b>	<b>Bernoulli Blower</b>	<b>112,350.00</b>
	<b>Specifications:</b>	
	<b>Motor: 0.5 Hp 220v single phase induction motor</b>	
	Chassis: Marine Plywood	
	Nozzle: PVC tube and bezel	
	Cover: protective exhaust cover	
	Timer: customized electronic power-off timer	
	Paint Finish	
	Voltage regulator: 220 V 500W electronic	
	Dimension: 0.75m x 0.6m x 0.75m	
<b>1 set</b>	<b>Body Beat</b>	<b>133,880.00</b>
	<b>Specifications:</b>	
	Chassis: made of marine plywood	

Quantity / Unit	Particulars	Approved Budget
	with stainless steel dome conductive hand rest	
	customized electronic power-off timer	
	Sound System: Tone generator with amplifier and speaker system	
	Label stand: stainless steel square tube	
	with 220V 500W electronic voltage regulator	
	Paint Finish	
	Dimension: 0.7m dia.x 0.75m	
<b>1 set</b>	<b>Cyclone</b>	<b>146,950.00</b>
	<b>Specifications:</b>	
	Chassis: made of marine plywood	
	Steel Post: stainless steel tube	
	with transparent enclosure clear acrylic sheet	
	Mist maker: 220v Ultrasonic Humidifier	
	customized electronic power-off timer	
	Label stand: stainless steel square tube	
	Exhaust: 220v 4"x4" Box Fan	
	with 220V 500W electronic voltage regulator	
	Dimension: 0.75 m dia x 2.0 m	
<b>1 set</b>	<b>Elliptical Board</b>	<b>139,100.00</b>
	<b>Specifications:</b>	
	Table Edge: Solid Lumber	
	Chassis: made in marine plywood	
	Table surface: Billiard Cloth	
	Rubber Edge: Billiard rubber edging	
	White standard size billiard cue ball	
	Stick: Standard billiard stick 57"	
	Label stand: stainless steel square tube	
	Paint finish	
	Dimension: 1.82 m x 1.8 m x 0.8 m	
<b>1 set</b>	<b>Feel the Shake</b>	<b>196,340.00</b>
	<b>Specifications:</b>	
	Motor: 220v three phase 2.5 Hp induction motor	
	Base frame:steel angular bar	
	Bearings : Linears bearings	
	Bench and back wall : made in marine plywood	
	Speed controller 220v three phase frequency inverter	
	with Lamp Post	
	Paint Finish	
	Non-slip surface/rubber tile	
	Edging : Aluminum angle bar	
	220V 500W electronic voltage regulator	
	Dimension: 1.25 m x 2.8 m x 2.2 m	
<b>1 set</b>	<b>Finger Tingler</b>	<b>96,600.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	

Quantity / Unit	Particulars	Approved Budget
	Table Surface: Clear Acrylic Sheet	
	Diffuser: White Diffuser	
	Crank: Fabricated Stainless steel crank	
	Motor :6V DC dynamo	
	with Gauge 0 – 100 AC volt meter	
	Contact plates : Stainless steel sheet 6mmx2" dia.	
	Paint Finish	
	Dimension: 0.5 m x 0.5 m x 1.0 m	
<b>1 set</b>	<b>Following Faces</b>	<b>109,200.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	
	with Faces Reverse Masks	
	Lighting: 220v 18watts LED tubular bulbs	
	Exhaust: 4" x 4" 220V box fan	
	Potective Exhaust Cover: 6" dia	
	Dimension: 1.2 m x 0.6 m x 1.8 m	
<b>1 set</b>	<b>Frozen Shadow</b>	<b>133,300.00</b>
	<b>Specifications:</b>	
	Projection Wall made in marine Plywood	
	Wall Frame: KD Lumber	
	Flash Stand: made in marine plywood	
	Flash Unit: 220V 1500W Studio Flash	
	customized electronic power-off timer	
	with 8' seven-segment digital display	
	with canvass coated with phosphorescent paint	
	Wall cover: Gauge 14 plastic sheet	
	Label Stand: Stainless steel square tube	
	220V 500W electronic voltage regulator	
	Paint Finish	
	Dimension: Phosphorescent wall: 2.4m x 2.4m	
	Dimension: Standalone flash stand: 0.7m x 0.7m x2.0m	
<b>1 set</b>	<b>Gravity Well</b>	<b>210,500.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	
	Fiberglass funnel-shape well	
	Label Stand: Stainless steel square tube	
	with clear acrylic fabricated coin slot	
	Paint finish	
	Dimension: 1.8 m dia. x 0.85 m	
<b>1 set</b>	<b>Head on a Platter</b>	<b>143,300.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	
	Surface: Vinyl tiles	
	Wall Paper and adhesive	
	With Mirror 600mm x 1m x 6mm	

Quantity / Unit	Particulars	Approved Budget
	with Plastic Assorted Fruits	
	with Stainless steel platter	
	Edging: Aluminum Angular Bar	
	Plastic Corner Protectors	
	Paint finish	
	Dimension: 1.8 m dia. x 0.85 m	
<b>1 set</b>	<b>Laser Harp</b>	<b>244,100.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	
	Tone generator Electronic keyboard	
	Tone generator with amplifier and speaker syste	
	Customized electronic power-off timer	
	Customized electronic controller (laser sensors)	
	Label Stand: Stainless steel square tube	
	220V 500W electronic voltage regulator	
	Paint finish	
	Dimension: 1.3 m x 0.65 m x 1.75 m	
<b>1 set</b>	<b>Magic Faucet</b>	<b>238,320.00</b>
	<b>Specifications:</b>	
	Customized fiberglass giant faucet	
	Intake tube: 2.5" dia. Clear acrylic tube	
	Pump: 220V 3m head submersible water pump	
	Hose: 2" dia x 1m flexible transparent plastic hose	
	Faucet base: 20mm angle bar faucet support base	
	Label Stand: Stainless steel square tube	
	Pool dimension :1.2m x 1.2m x 700mm	
	marine plywood with fiberglass surface	
	Lacquer paint finish (pool)	
	Dimension: 1.6 m x 1.6 m x 2.2 m	
<b>1 set</b>	<b>Pedal Power</b>	<b>170,100.00</b>
	<b>Specifications:</b>	
	with stationary Bike Flywheel	
	Motor 48V DC dynamo 1 Each	
	Indicator lights 12V LED side lamps	
	Chassis: made in marine plywood	
	Base Surface: Non-slip rubber tile	
	Frame: KD Lumber	
	Edging: Aluminum angle bar	
	Lacquer paint finish	
	hardware: Assorted bolts and nuts	
	Electrical: Assorted electrical wirings and parts	
	Dimension: 1.8 m x 1.25 m x 1.9 m	
<b>1 set</b>	<b>Plasma Sphere</b>	<b>83,990.00</b>
	<b>Specifications:</b>	
	Chassis: made in marine plywood	

Quantity / Unit	Particulars	Approved Budget
	Plasma bulb: 8' dia. 220V plasma globe	
	Customized electronic power-off timer	
	Label Stand: Stainless Steel Square tube	
	220V 500W electronic voltage regulator	
	Electrical: Assorted electrical wirings and parts	
	Dimension: 0.6 m x 0.6 m x 1.7 m	
	+1 extra unit plasma ball	
<b>1 set</b>	<b>Ring Bubbles</b>	<b>97,100.00</b>
	<b>Specifications:</b>	
	Rings: 6m x 6mm dia, Stainless steel rods	
	Bubble tub gauge 24 or 0.025", stainless steel sheet	
	Frame: Stainless steel tube	
	Frame Stiffeners 6m x 20mm dia	
	Label Stand: Stainless steel square tube	
	Dimension: 1.4 m x 1.3 m x 0.74 m	
	Soap Solution with a minimum of 5 Ltrs	
<b>1 set</b>	<b>Rope Puzzle</b>	<b>98,700.00</b>
	<b>Specifications:</b>	
	Puzzle Post: 6m x 2" dia x 3mm steel tube	
	Elbow: 2" dia x 3mm 30 deg steel tube	
	Base: Steel Plate	
	Label Stand: Stainless Steel Square Tube	
	Paint: Laquer Paint Finish	
	Rope Mountain climbing rope 3 meter	
	Dimension: 0.65 m x 0.8 m x 1.05 m	
	Elastic	
<b>1 set</b>	<b>Square Wheels Bicycle</b>	<b>211,000.00</b>
	<b>Specifications:</b>	
	with customized steel or rubberized bike and steel or rubberized square wheels	
	Track: 1.2m x 2.4m x 20mm marine plywood	
	Surface: non-slip rubber tiles	
	Lacquer paint Finish	
	Label Stand: Stainless Steel Square Tube	
	Dimension: 5.2 m x 1.04 m x 0.32 m	
<b>1 set</b>	<b>Touch me if you can</b>	<b>91,350.00</b>
	<b>Specifications:</b>	
	Parabolic Mirror: 8" double	
	Lighting LED mini spot lamps	
	Timer: Customized electronic power-off timer	
	with 220V 500W electronic voltage regulator	
	Electricals: Assorted electrical wirings and parts	
	Chassis: made in marine plywood	
	Label Stand: Stainless Steel Square Tube	
	Paint: Laquer Paint Finish	

Quantity / Unit	Particulars	Approved Budget
	Dimension: 0.7 m x 0.9 m x 1.0 m	
<b>1 set</b>	<b>Van de Graaff Generator</b>	<b>265,620.00</b>
	<b>Specifications:</b>	
	with stainless steel sphere 10" dia	
	with PVC Tube	
	Roller: customized plastic rollers	
	with black rubber belt drive	
	motor: 1 pc 220V 0.5 Hp electrical motor each	
	base separator: fabricated aluminum rods	
	Dehumidifier: 220V	
	Enclosure Frame: KD Lumber	
	Enclosure Wall: marine plywood	
	Enclosure Window: clear acrylic	
	Lighting: 220V 10W LED bulb	
	Mirror: Glass Mirror with frame	
	Paint: Laquer Paint Finish	
	Dimension: 0.6m dia. x 1.0m (ball: 0.4m dia.)	
	With Casing	
<b>1 set</b>	<b>Watch Me Pedal</b>	<b>165,880.00</b>
	<b>Specifications:</b>	
	With 130cm height plastic human skeleton	
	Bike: Standard size mountain bike	
	Bike Stand: Fabricated steel bike stand	
	Customized center drive train	
	Base and Backboard: marine plywood	
	Base Surface: non-slip rubber tile	
	Case Frame: Slotted Angle Bars	
	Case Panel: Clear Acrylic Sheet	
	Lighting: 220V LED mini spot lamps	
	Electricals: Assorted electrical wirings and parts	
	Hardware: Assorted bolts and nuts	
	Paint Finish Acrylic paint finish	
	Dimension: 2.4 m x 2.4 m x 2.0 m	
<b>1 set</b>	<b>Well of Flowers</b>	<b>118,640.00</b>
	<b>Specifications:</b>	
	Frame: Steel Tube	
	Wall: Marine Plywood	
	Flowers: Assorted Colors and laser cut acrylic flower patterns	
	Lighting: 12V LED strip lighting	
	Power Supply: 12V 10A Power supply	
	with 220V 500W electronic voltage regulator	
	Mirror: 0.75m x 0.75m x 6mm glass mirror	
	Electricals Assorted electrical wirings and parts	
	Hardware Assorted bolts and nuts	
	Paint: Laquer Paint Finish	
	Dimension: 0.75 m x 0.75 m x 1.8 m	

Quantity / Unit	Particulars	Approved Budget
<b>1 set</b>	<b>Whisper Dishes</b>	<b>215,230.00</b>
	<b>Specifications:</b>	
	Dish: 1.5m dia. Fiberglass parabolic dish	
	Frame: steel tube	
	Paint: Finish Lacquer paint	
	Label stand: stainless steel square tube	
	Base plate : steel plate	
	Hardware: Assorted bolts and nuts 1	
	Dimension: 1.2 m x 1.0 m x 2.3 m each ( 2 units)	
<b>1 set</b>	<b>Bubble Capsule</b>	<b>111,290.00</b>
	<b>Specifications:</b>	
	Frame: steel tube	
	Base: Stainless Steel Sheet	
	Pulleys: 1' dia. Stainless Steel Pulley	
	Cable: Plastic Rope and Guide Wire: Nylon Strings	
	Base Surface: Non-Slip Rubber Mat	
	Label stand: stainless steel square tube	
	Dimension: 1.0 m dia. x 2.3 m	
	Soap Solution minimum of 5 Ltrs	
<b>1 set</b>	<b>Probability Machine</b>	<b>207,860.00</b>
	<b>Specifications:</b>	
	Chassis: Marine Plywood	
	Cover: Clear Acrylic Sheet	
	Slots: Clear Acrylic Sheet	
	Pegs: wooden dowels	
	Balls: 25mm solid plastic balls	
	Timer: Customized electronic power-off timer with 220V 500W electronic voltage regulator	
	Actuator: 12V soleniod	
	Compressor: 220V 100W Air Compressor	
	Ball Lift: Customized ball lifetr mechanism	
	Electronic Controller: Customized	
	Motor: 12V 100rpm single ph motor	
	Gear Box: 1:5 ratio gear reducer	
	Label stand: stainless steel square tube	
	Paint: Laquer Paint Finish	
	Electricals: Assorted electrical wirings and parts	
	Dimension: 1.74m x0.65 x 2.4m	
	**Price inclusive of: FOB - Surigao City; Tax	
	<b>TOTAL LOT 1</b>	<b>3,890,000.00</b>
<b>LOT 2</b>	<b>IT EQUIPMENT FOR CARAGA REGIONAL SCIENCE CENTRUM</b>	

<b>Quantity / Unit</b>	<b>Particulars</b>	<b>Approved Budget</b>
<b>1 Unit</b>	<b>Laptop Computer</b>	<b>72,000.00</b>
	<b>Specifications:</b>	
	Processor: intel core i7, 8700 processor or higher	
	Memory: 8GB RAM, DDR4, expandable up to 128gb	
	Storage: 1000TB 5400 RPM HDD SATA	
	Network: 10/100/1000 giga ethernet	
	Front Camera: 720p HD webcam	
	Display Screen: 15.6" 1366x768 resolution	
	Graphics: 4GB, VGA and HDMI ports	
	Network: 10/100/1000 giga ethernet; Wi-Fi 802.11a/b/g/n/ac (1x1); Bluetooth 4.2 combo	
	OS: Windows 10 Home edition, licensed, with Office Productivity Tool (perpetual license)	
	Accessories: wireless mouse; laptop bag; power adaptor;	
	Warranty: 1 yr. parts and labor	
<b>2 Unit</b>	<b>LCD Projector</b>	<b>100,000.00</b>
	<b>Specifications:</b>	
	Ports and Interfaces: 1 VGA (D-Sub) port, 1 HDMI port, 1 Composite video in, 1 S-Video inputs quantity, 2 USB 2.0 ports, PC Audio in, PC in (D-Sub)	
	Lens Focus: Manual	
	Zoom Type: Manual	
	Power: AC 100-240 V, 50-60 Hz	
	Projector: 3LCD, 2800 ANSI Lumens (normal), 1960 ANSI Lumens (eco mode)	
	Native Resolution: XGA (1024x768)	
	Contrast Ratio: 15000:1	
	Screen size compatibility: 762-7620mm (30-300")	
	Projection Distance: 0.9-9m (wide), 1.08-10.8m (tele)	
	Keystone correction: ±30° horizontal, ±30° vertical	
	Matrix size: 1.4 cm (0.55")	
	Lamp: 5000H (normal), 10000H (eco)	
	Bulb power 200W, UHE type	
	with Built-in speakers, ceiling mounting supported, handheld remote control, carrying case	
	Warranty: 1 yr parts and labor	
<b>1 Unit</b>	<b>Printer</b>	<b>8,000.00</b>
	<b>Specifications:</b>	
	Functions: Print, Scan, Copy	
	Copy Quality: Color / Black-and-White; Draft / Standard	
	Copy Size: A4, Letter	
	ISP 29183, A4, Simplex (Black / Colour): Up to 7.0 ipm / 1.7 ipm	
	Max Copy Resolution: 300x300 dpi	
	Scanner Type: Flatbed colour image scanner, CIS Sensor	
	Scan speed Flatbed (Black/Colour) 200dpi: 11sec / 200 dpi: 32sec	
	Optical Resolution: 600x1200dpi	
	Maximum Scan Area: 216x297 mm (8.5x11.7")	



Quantity / Unit	Particulars	Approved Budget
	Scanner Bit Depth: 48bit input, 24bit output (Colour); 16bit input, 8bit output (grayscale); 16bit input, 1bit output (BW)	
	Paper Size: Legal, Letter, A4, Envelopes	
	Paper Friction Feed Method	
	Print Margin: 0 TLRB via custom settings in printer driver	
	Consumables: CMYK Ink Bottles	
	Maximum Print Resolution: 5760x1440 dpi (with Variable-Sized Droplet Technology)	
	Minimum Ink Droplet Size: 3pl	
	Interface: USB 2.0	
	OS Compatibility: Windows 10 or later	
	Mac OS X or later	
	**Price inclusive of: FOB - DOST Caraga, Tax	
	<b><i>TOTAL LOT 2</i></b>	<b>180,000.00</b>
<b>GRAND TOTAL</b>		<b>4,070,000.00</b>

Delivery of the Goods is required within **60 days upon receipt of Notice to Proceed**. Bidders should have completed, within **120 days from the date of submission and receipt of bids**, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. Instructions to Bidders.

3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”. Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the IRR of RA 9184.

4. Interested bidders may obtain further information from **DEPARTMENT OF SCIENCE AND TECHNOLOGY-CARAGA** and inspect the Bidding Documents at the address given below during **8:00 AM to 5:00 PM**

5. A complete set of Bidding Documents may be acquired by interested Bidders on **September 3, 2019 to September 10, 2019** from the address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of:

- **Lot No. 1** - **₱ 5,000.00**
- **Lot No. 2** - **₱ 500.00**
- **Lot No. 1 & 2** - **₱ 5,000.00**

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

6. The **DEPARTMENT OF SCIENCE AND TECHNOLOGY-CARAGA** will hold a Pre-Bid Conference on **September 11, 2019 @ 1:30 PM** at **DOST Caraga Conference Room, CSU Campus, Ampayon, Butuan City**, which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat at the address below on or before **1:00 PM of September 23, 2019**. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 18**.

Bid opening shall be on **September 23, 2019 at 1:30 PM** at **DOST Caraga Conference Room, CSU Campus, Ampayon, Butuan City**. Bids will be opened in the presence of the bidders’ representatives who choose to attend at the address below. Late bids shall not be accepted.

8. The **DEPARTMENT OF SCIENCE AND TECHNOLOGY-CARAGA** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

9. For further information, please refer to:

**RICKY C. POCON**

BAC Secretariat

DOST CARAGA, CSU CAMPUS, AMPAYON BUTUAN CITY, 8600

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**NOEL M. AJOC**

Chairperson, BAC