



**DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION**

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	Nov-09-2020, 2:00 PM		
RFQ No.:	20-11-3288	Date:	November-03-2020
PR No.:	GRASPED-20-09-10228	Date:	September-01-2020

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the item/s listed below. As such, suppliers, contractors, or distributors are invited to submit their quotation/s duly signed by authorized representative. Prospective bidder/s who will submit a proposal with the single/lowest calculated and responsive quotation shall be selected. Guidelines on the format and eligibility documents are listed at the box below the item/s to be procured.

Quotations may be sent via **a)** electronic mail at bac-sec@asti.dost.gov.ph, **b)** fax message, or **c)** delivering documents to the BAC Secretariat. For further inquiries, you may contact +63 2 249-8500 local 1206/1212 or +63 2 426-7423.

Thank you.

Respectfully,

REYNALDO JOSEPH A. CALLAO JR.
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Toolset for Antenna Maintenance</p> <p>Specifications: Set Type: Mechanical Set Contents: Bits, Hammer, Hex Keys, Knife, Pliers, Ratchet, Screwdriver, Sockets, Spanners Number of Pieces:73 VDE/1000V Approved: No Storage Type: Case</p> <p>Features: 3/8in socket components Chrome Vanadium steel construction Sandblasted finish Sockets stamp with sizes for quick identification Tool storage - supplied in a sturdy handy blow moulded tool box Telescopic magnetic rod for retrieving screws that cannot be reached by hand Flexible attachment for the ratchet set - ideal for awkward bolts Full Allen key set Comfortable handles</p> <p>Kit Contents Screwdrivers Slotted: 5.5 x 100, 6.5 x 150, 6.5 x 38 mm</p>	1	unit	14900.00	14,900.00

	<p>Phillips: PH1 x 100, PH2 x 150, PH2 x 38 mm</p> <p>Ratchets and Sockets 3/8" Quick Release Ratchet Spark Plug Socket: 16 mm 3/8 in Extension: 75 mm 3/8 in Universal joint 3/8 in Sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm</p> <p>Spanners Combination: 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 mm 200 mm Adjustable Wrench</p> <p>Pliers 160 mm Long Nose 180 mm Combination 250 mm Water Pump</p> <p>Bits and Drivers Bit Driver</p> <p>21 Bit Piece Set x4 Phillips Bit: PH0, PH1, PH2, PH3 x4 Pozidriv Bits: PZ0, PZ1, PZ2, PZ3 x5 Torx Bits: T10, T15, T20, T25, T30 x5 Slotted Bits: 3, 4, 5, 6, 7 mm x3 Hex Bits: 3, 4, 5 mm</p> <p>Additional Extras 300g Hammer Utility Knife Magnetic Pick Up 5 M Tape Measure Hex Key Set: 1.5, 2, 2.5, 3, 4, 5, 6, 8, 10 mm</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP Warranty: at least one year</p>				
2	<p>12 Piece Chrome Vanadium Steel Spanner Set Material: Drop forged chrome vanadium Steel (cr-v#6140) for spanners body Chrome-molybdenum steel (Scm-440) for ratchet gear and Pawl Finish: Chrome plated with mirror polish spanner body Phosphate finish for ratcheting gear Hardness: Heat treated to HRC 42~48 for wrench body HRC 48~52 for ratcheting gear and pawl Contents: 12pc-72 teeth reversible ratcheting combination spanners (5 degrees for each ratcheting) Black colour injection rack Sizes: 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19mm Remarks Hardness of spanner body meets din 899-row ii</p>	1	unit	14900.00	14,900.00

	<p>Torque tests of box end meet din 899-row Open end meet Din 899-row c and go, no-go gauges of both box and open end meet din 475 part row 1 requirements</p> <p>Features Surface drive design nearly eliminates fastener rounding. No need to remove from fastener to change direction with compact reversing lever and additional knuckle clearance provided by 15 percent off-set. Ratcheting box end needs as little as 5 degree to move fastener vs 30-degree for standard box end wrench. Mirror chrome finish all metal construction</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP Warranty: at least one year</p>				
3	<p>USB Microscope - 5MP interpolated 220x magnification / 8 LEDs Technical specs Image Sensor: 2.0 megapixel w/high-speed DSP for 5MP interpolation 20x/220x axis micro-lens Adjustable focal length, from 10mm-50mm Snapshots via software or pressing the button Image capture: 2560x2048 (5M Pixel), 2304x1738 (4M Pixel), 1600x1200 (2MPixel), 1280x1024 (1.3MPixel), 1280x960, 1024x768, 800x600, 640x480, 352x288, 320x240, 160x120. Video rate of 30f/s at a brightness of 600 lux Flicker control for 50Hz/60Hz Video format: AVI Photo format: JPG or BMP 8 white LED light, 40000mLux 20x/200x magnification USB port powered TWAIN compatible Size: 112mm long x 33mm diameter</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP Warranty: at least one year</p>	1	unit	7500.00	7,500.00
4	<p>Two way Radio (4 Pcs) Specifications: Frequency Range: 400-470MHz Channel Capacity: 16 Channel Spacing: 25.0kHz / 12.5kHz Frequency Stability:±1.5ppm</p>	1	set	2500.00	2,500.00

Working Temperature:-20°C ~ +60°C
 Antenna impedance:50Ω
 Working Voltage: 3.7V
 Dimensions (L * w * h):100×55×34mm
 Weight: 166g
 Battery: 1500mAh
 Receiving Sensitivity:0.15μV / 0.18μV
 Adjacent channel selectivity:65dB / 55dB
 Intermodulation Rejection: 55dB
 Spurious Response:≥60dB
 Signal to noise ratio:40dB / 35dB
 Rated audio output power:≥600mW
 Rated audio distortion:≤5%
 Transmitting power:≤5W
 modulation mode:16KΦF3E / 8KΦF3E
 Modulation limit:≤5kHz / ±2.5kHz
 FM distortion:≤5%
 residual FM:-45dB / -35dB
 Adjacent channel power:-65dB / -55dB
 Stray and harmonic:≤-36dBm

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 Warranty: at least one year

5	<p>DLI Kit compatible with Jetson Nano Specifications: GPU 128-core GPU CPU Quad-core ARM A57 Memory 4 GB 64-bit LPDDR4 25.6 GB/s 10/100/1000BASE-T Ethernet Video Encode 4Kp30 4x 1080p30 9x 720p30 (H.264/H.265) Video Decoder4Kp60 2x 4Kp30 8x 1080p30 18x 720p30 (H.264/H.265) Supports Micro-USB 5V 2A Supports DC power adapter 5V 4A USB 3.0 Type A USB 2.0 Micro-B HDMI/DisplayPort M.2 Key E Gigabit Ethernet GPIOs, I2C, I2S, SPI, UART 2x MIPI-CSI camera connectors (for stereo vision) Fan connector PoE connector Dimensions: atleast 100mm x 80mm x 29mm</p> <p>Includes: - 32GB MicroSD Card - Webcam - Power Supply 5V, 4A - USB Cable - microB (Reversible) - 2-Pin Jumper - Embedded AI Computer</p>	1	unit	14900.00	14,900.00
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	<p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP Warranty: at least one year</p>				
6	<p>Wall Mount Power Supply 5V 4A Specifications: Electrical Specifications (@25C) 1. Input Voltage rating: 100-240VAC, 50-60Hz 2. Input Voltage range: 90-264VAC 3. Input current: <0.8A(RMS) @ 115VAC 4. Max Inrush Current: <50A peak @ 115VAC (Cold start) 5. Output Voltage: 5VDC 6. Output Current: 4.0A 7. Regulation (line & load): ±5%* 8. Ripple & Noise: 100mVpk-pk Max* 9. No load power (stand by): <100mW 10. Average Efficiency: ≥83.08%. Meets minimum level VI efficiency. Environmental Specifications 1. Operating Temperature Range: 0°C to +40° C @ full load 2. Storage Temperature Range: -20°C to 60°C 3. Humidity: 5% to 95%, Non-condensing Reliability Specifications 1. Leakage Current: <0.25mA (264VAC) 2. Dielectric Strength (Hi-pot): 4242VDC/3secs., 5mA Max 3. Warranty: 5 years Mechanical Parameters Case Type: Thermoplastic molded enclosure. Output Cord: 18 AWG, 4 Ft. Long Nom. Safety & EMI ETL: 4002961 conforms to UL STD: 60950-1. Certified to CSA.STD C22.2 No. 60950-1 Class II, Double Insulated EMI standard: FCC part 15 class B Over voltage and short circuit protected Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>	5	unit	1400.00	7,000.00
7	<p>10L Wet and Dry Vacuum Cleaner Specifications: 1200 watts power 10 liters dust/liquid capacity With blower function Washable ecological HEPA filter With holder support of accessories atleast 2.5 meters flexible hose</p>	1	unit	5000.00	5,000.00

	<p>atleast 5.85 meters power cord</p> <p>Includes</p> <ul style="list-style-type: none"> - Bristle brush - Crevice nozzle - 2 in 1 brush - 3 pcs Extension tube - Wet and dry floor brush - Floor and Carpet brush - Flexible extension tube - HEPA Filter <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>				
8	<p>SDR Active Learning Module Kit</p> <p>Specifications:</p> <p>Based on Analog Devices AD9363--Highly Integrated RF Agile Transceiver RF coverage from 325 MHz to 3.8 GHz Up to 20 MHz of instantaneous bandwidth Flexible rate, 12-bit ADC and DAC One transmitter and one receiver, half or full duplex MATLAB, Simulink support GNU Radio sink and source blocks libio, a C, C++, C#, and Python API USB 2.0 Powered Interface with Micro-USB 2.0 connector</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>	2	unit	13500.00	27,000.00
9	<p>Embedded Module with Camera for Machine Vision</p> <p>Includes</p> <ul style="list-style-type: none"> - 1 Camera Module. - 2 x Pin Header (Unsoldered) - 1 x Accessories set - Embedded Computer <p>Specifications:</p> <p>32-Bit Arm Cortex-M7 operating at 400MHz. High bandwidth 1MB SRAM / 2MB FLASH. Double-precision Floating Point Unit (FPU). Full DSP instructions, hardware JPEG encoding. 2 UARTs, 2 I2C, 1 SPI, 1 CAN, 3 TIM/PWM. 1 USB full speed (FS) for programming. 1 RGB LED and 2 IR LEDS on board. 1 uSD Card socket (supports up to 64GBs). High efficiency switching regulator (1A out). Low noise LDO for sensor analog supply. LiPo battery connector. Less than 150-mA power consumption. Modular sensor design supports multiple sensors: - OV7725 640x480.</p>	1	unit	5200.00	5,200.00

	<ul style="list-style-type: none"> - MT9V034 (Global Shutter Sensor). - FLIR 1,2 and 3 thermal imaging sensors <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>				
10	<p>Ultra Wide Angle Lens</p> <p>Lens Specs: Focal Length: 2.8mm Aperture: F2.0 Format: 1/3" HFOV = 70.8°, VFOV = 55.6° Voltage:3.3V output (5V tolerant) Weight:19g Length:45mm Width:36mm Height:30mm</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>	1	unit	1200.00	1,200.00
11	<p>Quad-band Wired Cellular Antenna SMA</p> <p>Specifications: Length: at least 7.75" Frequencies: GSM/850E: 824 to 894MHz GSM : 880 to 960MHz DCS : 1710 to 1880MHz PCS : 1850 to 1990MHz</p> <p>Notes: charged under GRASPED Price inclusive of government fees, taxes and duties Delivery: Item must be delivered to ASTI one week upon issuance of NTP</p>	4	unit	1000.00	4,000.00
12	<p>FPGA Development Kit</p> <p>Specifications: Xilinx FPGA -Internal clock speeds exceeding 450MHz -On-chip analog-to-digital converter (XADC) -Programmable over JTAG and Quad-SPI Flash -Logic Cells: 32,280 -Logic Slices: 5,200 -Flip-flops: 29,200 -Block RAM (Kbits): 1,800 -Clock Management Tiles: 5 -DSP Slices: 90 System Features</p>	2	unit	12000.00	24,000.00

-256MB DDR3L with a 16-bit bus @ 667MHz
 -16MB Quad-SPI Flash
 - USB-JTAG Programming circuitry (Micro USB cable not included)
 - Powered from USB or any 7V-15V source

System Connectivity
 -10/100 Mbps Ethernet
 -USB-UART Bridge

Interaction and Sensory Devices
 - 4 Switches
 -4 Buttons
 -1 Reset Button
 -4 LEDs
 -4 RGB LEDs

Expansion Connectors
 - 4 Pmod connectors
 -Arduino/chipKIT Shield connector

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TOTAL APPROVED BUDGET FOR THE CONTRACT:

Php 128,100.00

GUIDELINES

A. Submission of Quotations

1. Quotation/s shall include the Request for Quotation and/or the Purchase Request Number as state above;
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation/s; and
3. Quotation/s must be signed by the company's duly authorized representative.

B. Eligibility Requirements

Pursuant to Annex "H" or Consolidated Guidelines for the Alternative Methods of Procurement of the 2016 Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, as amended by Government Procurement Policy Board Resolution No. 21-2017 dated 30 May 2017, the following documents shall be submitted except for Repeat Order, Shopping under Section 52.1(a), and Negotiated Procurement under Sections 53.1 (Two-Failed Biddings), and 53.5 (Agency-to-Agency):

For Procurement of Goods

1. Upon submission of quotation
 - ✓ PhilGEPS Platinum Membership Certificate including Annex "A". If not available, the following alternate documents may be submitted:
 - PhilGEPS Registration Number
 - Mayor's Permit
 - For individuals/professionals engaged under Section 53.6, 53.7 and 53.9 of the 2016 IRR of RA No. 9184, only the Bureau of Internal Revenue (BIR) Certificate of Registration shall be submitted in lieu of the Mayor's Permit.
2. Upon issuance of Notice of Award (NOA)
 - ✓ Omnibus Sworn Statement
 - Applicable only for bidders who have submitted their quotation on item/s with a total Approved Budget for the Contract (ABC) of above Php50,000.00.
 - ✓ Income/Business Tax Return

- Applicable only for: **a)** bidders who have submitted their quotation on item/s with a total ABC of above Php500,000.00; and **b)** bidders for Lease of Real Property and Venue (except for government agencies as lessors).

For Procurement of Infrastructure

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Philippine Contractors Accreditation Board License.

For Procurement of Consulting Services

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Professional Regulation Commission License or Curriculum Vitae.

NOTE: For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. For all kinds of procurement, the bidder who passed the bid evaluation, shall submit a duly notarized Omnibus Sworn Statement upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery; and
5. The DOST-ASTI 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.