



DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

Kind of Procurement Activity:	Negotiated Procurement: Small-value Procurement		
Deadline of Submission of Bids:	Jul-21-2025, 2:00 PM		
RFQ No.:	25-07-5344	Date:	July-17-2025
PR No.:	GAA-25-07-21542	Date:	July-02-2025

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the enlisted item/s below. Bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, except otherwise specified in the requirements. Award may be considered for prospective bidder/s proven to be the single/lowest calculated and responsive quotation among all other quotations. Guidelines on the format of quotations and eligibility documents are listed below. Kindly follow the prescribed GUIDELINES to avoid DISQUALIFICATION.

Quotations may be submitted 1) manually to the BAC Secretariat at G/F DOST-ASTI Bldg., UP Technology Park Complex, CP Garcia Ave., UP Campus, Diliman, Quezon City or 2) sent via electronic mail at bac-sec@asti.dost.gov.ph. For further information, please contact the BAC Secretariat at +63 2 8249-8500 loc. 1206/1212.

Thank you.

JEFFREY A. ABOROT
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	Action Camera 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of THREE (3) SETS ACTION CAMERA, for documentation of test setups, procedures, and results of Testing Laboratory of Electronics Product Development Center (EPDC). 1.2. The Approved Budget for the Contract (ABC) is inclusive of all applicable government taxes and other charges. 1.3. Classification: Equipment 2. TECHNICAL SPECIFICATIONS 2.1. Three (3) sets of action camera with the following specifications: 2.1.1. Dimensions: Approx. 71.8 W x 50.8 H x 33.6 D (mm) 2.1.2. Weight: 2.1.2.1. Approx. 159g (with battery and mounting fingers) 2.1.2.2. Approx. 125g (without battery) 2.1.3. Battery: Removable 1900mAh high-capacity rechargeable battery or higher mAh 2.1.4. Displays: 2.1.4.1. Rear: Approx. 2.27" Touch Display	3	set	47000.00	141,000.00

2.1.4.2. Front: Approx. 1.4" Color Display

2.1.5. Durability: Waterproof up to 10 meters or deeper; ruggedized body

2.1.6. Mounting: Built-in folding mount; compatible with 1/4-20 thread

2.1.7. Memory Storage: microSD™ rated class A2 V30 or higher

2.1.8. Connector: USB-C; HDMI via modular attachment

2.1.9. Operating Temperature: -10° C to 35° C or better

2.1.10. Image Quality & Hardware

2.1.10.1. System Processor: Equivalent to GP2

2.1.10.2. Image Sensor: 1/1.9" CMOS, approx. 27.6MP (5599x4927)

2.1.10.3. Lens Aperture: f/2.5 aperture, 12–39mm (35mm equivalent)

2.1.11. Video Specifications

2.1.11.1. Video Resolutions & Frame Rates:

2.1.11.1.1. 5.3K: Up to 60fps

2.1.11.1.2. 4K: Up to 120fps

2.1.11.1.3. 2.7K: Up to 240fps

2.1.11.1.4. 1080p: Up to 240fps

2.1.11.2. Stabilization: Built-in advanced video stabilization (e.g., HyperSmooth 6.0 or equivalent)

2.1.11.3. Aspect Ratio: 16:9, 9:16, 4:3, 8:7

2.1.11.4. HDR Video: Supported for 5.3K, 4K, and 1080p

2.1.11.5. Digital Lenses: Wide, Linear, Horizon Lock, etc.

2.1.11.6. Zoom (Video): Digital zoom up to 2x

2.1.11.7. Video Codec: H.265 (HEVC)

2.1.11.8. Color Video Bit Depth: 8-bit and 10-bit (4K and higher)

2.1.11.9. Max Bitrate: Up to 120Mbps

2.1.11.10. Slow Motion: Up to 8x (2.7K), 4x (4K), 2x (5.3K)

2.1.12. Photo Specifications

2.1.12.1. Max Photo Resolution: Approx. 27MP (5568x4872)

2.1.12.2. Photo Frame Grabs from Video: Frame Grabs from Video: Up to 24.7MP

2.1.12.3. Photo Formats: JPG and RAW (.gpr or equivalent)

2.1.12.4. RAW Photo Capture: 27.13MP (5568x4872)

2.1.12.5. Burst Photo Rates: Various rates including 60/10, 30/3

2.1.12.6. Night Photo Shutter Speed: Auto and manual up to 30s

2.1.13. Time Lapse & Advanced Features

2.1.13.1. TimeWarp (hyperlapse): Up to 5.3K

2.1.13.2. Effects: Star Trails, Light Painting, Vehicle Light Trails

2.1.13.3. Time Lapse & Night Lapse Resolution: Up to 5.3K

2.1.14.4. Live Streaming: 1080p30 with stabilization; simultaneous 1080p60 recording

2.1.14. Audio Features

2.1.14.1. Microphones: 3-mic stereo audio with

	<p>advanced noise reduction</p> <p>2.1.14.2. RAW Audio Capture: WAV format</p> <p>2.1.14.3. Audio Input: 3.5mm (via modular accessory)</p> <p>2.1.14.4. Wireless Audio: Supports Bluetooth headsets</p> <p>2.1.15. Connectivity & User Interface</p> <p>2.1.15.1. Wi-Fi: 6 (2.4GHz, 5GHz), 802.11 a/b/g/n/ac/ax</p> <p>2.1.15.2. Bluetooth: BLE 5.3 or higher</p> <p>2.1.15.3. Voice Commands: At least 14 commands in multiple languages</p> <p>2.1.15.4. Advanced Settings: Protune/custom presets</p> <p>2.1.16. Compliance & Certification Standards</p> <p>2.1.16.1. Union Harmonisation Legislation:</p> <p>2.1.6.1.1. Radio Equipment Directive (2014/53/EU)</p> <p>2.1.6.1.2. RoHS Directive (2011/65/EU as amended by 2015/863/EU)</p> <p>2.1.16.2. Applied Standards in Conformity Assessment:</p> <p>2.1.16.2.2. EMC (Article 3.1b):</p> <p>2.1.16.2.2.1. ETSI EN 301 489 series</p> <p>2.1.16.2.2.2. EN 55032, EN 55035, EN 61000-3-2, EN IEC 61000-3-2, EN 61000-3-3</p> <p>3. PACKAGE INCLUSION:</p> <p>3.1. Action Camera with Creator Accessories (per unit)</p> <p>3.1.1. Camera Unit</p> <p>3.1.2. Battery Grip</p> <p>3.1.3. Media Module</p> <p>3.1.4. Light Module</p> <p>3.1.5. Rechargeable Battery</p> <p>3.1.6. Mounting Accessories</p> <p>4. Warranty</p> <p>4.1. Must carry at least one (1) year warranty, which shall commence from the date of acceptance of the end-user.</p> <p>5. PAYMENT AND DELIVERY TERMS</p> <p>5.1. Delivery must be done within sixty (60) calendar days upon issuance of Notice to Proceed (NTP) to EPDC Bldg., MIRDC Compd., Bicutan, Taguig City.</p> <p>5.2. Government terms. Full payment will only be processed once completely delivered, inspected, and accepted by the end-user.</p>				
2	<p>360° Action Camera</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of ONE (1) SET 360° ACTION CAMERA, for documentation of test setups, procedures, and results of Testing Laboratory of EPDC.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and other charges.</p>	1	set	44807.00	44,807.00

1.3. Classification: Equipment

2. TECHNICAL SPECIFICATIONS

2.1. One (1) set 360° action camera with the following specifications:

- 2.1.1. Sensor: At Minimum 1/2-inch image sensor
- 2.1.2. Lens Aperture: f/1.9 or better
- 2.1.3. Focal Length: Approximately 6.7mm
- 2.1.4. Video Resolution Capabilities:
 - 2.1.4.1. 360° Mode: Up to 8K (7680x3840@30fps), 5.7K@60fps
 - 2.1.4.2. Single-Lens Mode: Up to 4K@60fps
 - 2.1.4.3. Me Mode: Up to 4K@30fps
- 2.1.5. Photo Resolution: Up to 72MP (11904x5952), including includes lower resolution options such as 18MP
- 2.1.6. Photo Formats: DNG (RAW), proprietary image formats
- 2.1.7. Video Formats: MP4 and proprietary 360 format
- 2.1.8. Supported Modes: Timelapse, TimeShift, Active HDR, Loop Recording, Bullet Time, Pre-recording, Interval, HDR Photo, Starlapase, Burst
- 2.1.9. Video Encoding: H.264 and H.265
- 2.1.10. Bitrate: Up to 200Mbps
- 2.1.11. ISO Range: 100 to 6400 (Photo and Video) or better
- 2.1.12. Exposure Compensation: ± 4 EV
- 2.1.13. Shutter Speed: Up to 1/8000s (Photo: up to 120s) or better
- 2.1.14. White Balance: Adjustable from 2000K to 10000K or higher
- 2.1.15. Color: Black
- 2.1.16. Stabilization: 6-axis gyroscope or equivalent built-in stabilization
- 2.1.17. Audio Recording: Stereo microphone with directional pickup and wind noise reduction
- 2.1.18. Audio Format: AAC, 48kHz, 16-bit
- 2.1.19. Connectivity:
 - 2.1.19.1. Bluetooth: BLE 5.2 or newer
 - 2.1.19.2. Wi-Fi: Dual-band, at least 5GHz (802.11a/n/ac)
 - 2.1.19.3. USB: Type-C, USB 3.0 or better
- 2.1.20. Bluetooth Headset Compatibility: Should support connection to a range of standard Bluetooth headsets, including but not limited to motorcycle intercom brands and wireless earbuds (e.g., Apple, Samsung).
- 2.1.21. Battery: Minimum 2290mAh rechargeable lithium-ion
- 2.1.22. Operating Time: Approx. 135 mins (5.7K@30fps); approx. 75 mins (8K@30fps)
- 2.1.23. Charging Time: Approx. 55 mins (with fast charging adapter)
- 2.1.24. Storage: microSD card supports up to 1TB (UHS-I V30 or higher)
- 2.1.25. Operating Temperature: -20°C to 40°C or better

	<p>2.1.26. Waterproofing: Submersible up to 10 meters (without housing) or deeper</p> <p>2.1.27. Weight: Approx. 203g</p> <p>2.1.28. Dimensions: Approx. 46mm x 123.6mm x 37.6mm</p> <p>2.1.29. Device Compatibility:</p> <p>2.1.29.1. iOS: Devices with A12 chip or newer</p> <p>2.1.29.2. Android: Devices with Snapdragon 855/Kirin 990/Exynos 2200 or newer</p> <p>2.1.30. Regulatory Compliance</p> <p>2.1.30.1. European Directives</p> <p>2.1.30.2. RED: 2014/53/EU</p> <p>2.1.30.3. RoHS: 2011/65/EU, (EU) 2015/863</p> <p>2.1.30.4. WEEE: 2012/19/EU</p> <p>2.1.30.5. REACH: (EC) No. 1907/2006</p> <p>2.1.31. Conformity with Standards</p> <p>2.1.31.1. EN IEC 62368-1:2020 + A11:2020</p> <p>2.1.32. EMC (Electromagnetic Compatibility) (Article 3.1b)</p> <p>2.1.32.1. ETSI EN 301 489-1 V2.2.3</p> <p>2.1.32.2. ETSI EN 301 489-3 V2.3.2</p> <p>2.1.32.3. ETSI EN 301 489-17 V3.2.4</p> <p>2.1.32.4. EN 55032:2015 + A11:2020</p> <p>2.1.32.5. EN 55035:2017 + A11:2020</p> <p>2.1.32.6. EN IEC 61000-3-2:2019 + A1:2021</p> <p>2.1.32.7. EN 61000-3-3:2013 + A2:2021</p> <p>3. PACKAGE INCLUSION:</p> <p>3.2. 360° action camera (per unit) accessories include:</p> <p>3.2.1. Camera Unit</p> <p>3.2.2. Rechargeable Battery</p> <p>3.2.3. Lens Protection</p> <p>3.2.4. Charging Cable</p> <p>3.2.5. Mounting Accessories</p> <p>4. Warranty</p> <p>4.1. Must carry at least one (1) year warranty, which shall commence from the date of acceptance of the end-user.</p> <p>5. PAYMENT AND DELIVERY TERMS</p> <p>5.1. Delivery must be done within sixty (60) calendar days upon issuance of NTP at EPDC Bldg., MIRDC Compd., Bicutan, Taguig City.</p> <p>5.2. Government terms. Full payment will only be processed once completely delivered, inspected, and accepted by the end-user.</p>				
3	<p>IEC 61000-4-2:2025</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders to Supply and Deliver One (1) Piece of the Reference Standard titled, "IEC 61000-4-2:2025", as standards testing reference guide for the Testing Laboratory of EPDC.</p> <p>1.2. The ABC is inclusive of all applicable government taxes and charges.</p> <p>1.3. Classification: Laboratory Standards – Reference standards</p> <p>2. TECHNICAL SPECIFICATIONS</p>	1	pc	48665.00	48,665.00

	<p>2.1. Title Description: Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test</p> <p>2.2. Publication Type: International Standard</p> <p>2.3. Edition: 3.0 or the latest available version</p> <p>2.4. Language: English</p> <p>2.5. Publication Date: 2025-03-07, or the latest available version</p> <p>2.6. Stability date: 2027</p> <p>2.7. Format: Hardcopy must ensure the copy is original and from a traceable source</p> <p>2.8. Customer-Specific Watermark: Featuring a watermark specifically for the EPDC exclusive use.</p> <p>3. WARRANTY AND AFTER SALE SUPPORT</p> <p>3.1. The supplier warrants that the items are free from defects, as well as shipping/delivery issues.</p> <p>3.2. Defective/Incorrect items shall be replaced.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Must be delivered within thirty (30) calendar days upon issuance of NTP to EPDC Bldg., MIRDC Compd., Bicutan, Taguig City.</p> <p>4.2. Full payment will only be processed once completely delivered, inspected, and accepted by the end-user.</p>				
4	<p>Microcontroller Board</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of Two (2) UNITS MICROCONTROLLER BOARD to control the functions of embedded systems for demonstration during consultations of EPDC - Research, Engineering, and Development.</p> <p>1.2. The ABC is inclusive of all applicable government fees, taxes, and other charges.</p> <p>1.3. Classification: Tool</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. ATmega328 / base processor</p> <p>2.2. Operating voltage: 5V</p> <p>2.3. 14 Digital I/O Pins (6 PWM outputs)</p> <p>2.4. Six (6) analog inputs</p> <p>2.5. 32KB flash memory</p> <p>2.6. 16MHz clock speed</p> <p>2.7. Input Voltage: 7-12V</p> <p>3. WARRANTY</p> <p>3.1. Must carry at least three (3) months warranty, which shall commence from the date of acceptance of the end- user.</p> <p>4. PAYMENT AND DELIVERY TERMS</p> <p>4.1. Delivery must be done within sixty (60) calendar days upon issuance of NTP to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City. Government terms.</p> <p>4.2. Full payment will only be processed once completely delivered, inspected, and accepted by the end-user.</p>	2	unit	530.00	1,060.00

5	External Solid State Drive 1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the Supply and Delivery of FOUR (4) PIECES EXTERNAL SOLID STATE DRIVE to be used by EPDC - Research, Engineering, and Development and Testing Laboratory for secondary storage of laboratory data and information. 1.2. The ABC is inclusive of all applicable government fees, taxes, and other charges. 1.3. Classification: Tool 2. TECHNICAL SPECIFICATIONS 2.1. Interface: USB 3.2 Gen 2x2 (20 Gbps) 2.2. Capacity: 1TB 2.3. Dimensions: 88 x 60 x 14 mm 2.4. Performance: Up to 2,000MB/s Sequential Read; Up to 1,950MB/s Sequential Write 2.5. Durability: Drop resistant up to 3 meters 2.6. Encryption: AES 256-bit hardware encryption 3. PACKAGE INCLUSION 3.1. One (1) piece of external solid-state drive must include the following: 3.1.1. One (1) external solid-state drive 3.1.2. One (1) USB-C to C cable 3.1.3. One (1) USB-C to A cable 3.1.4. User manual 4. WARRANTY 4.1. Must carry at least three (3) months warranty, which shall commence from the date of acceptance of the end- user. 5. PAYMENT AND DELIVERY TERMS 5.1. Delivery must be done within sixty (60) calendar days upon issuance of NTP to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City. 5.2. Government terms. Full payment will only be processed once completely delivered, inspected, and accepted by the end-user.	4	pc	10750.00	43,000.00
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TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 278,532.00

GUIDELINES

A. Content and Format of Quotations

- The Quotation/s must include the RFQ Number or the PR Number indicated above
- Bidders must specify the BRAND NAMES and MODEL NAMES/NUMBER for the following goods:
 - Computer and electronic equipment and its accessories or peripherals
 - Software applications, programs, and digital licenses
 - Commercial off-the-shelf electronic devices or components
- The Quotation/s must indicate the registered business name of the company (or individual), business address and contact number. It must also include the full name and signature of the company's authorized representative.
- BIR Certificate of Registration for new DOST-ASTI suppliers.

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, 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
 - a. Valid PhilGEPS Registration Number / Organization ID
 - b. Valid Mayor's/Business Permit
2. Upon issuance of Notice of Award (NOA)
 - a. Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)
 - b. Income/Business Tax Return (For ABCs above P500,000.00)

For Procurement of Infrastructure

1. Upon submission of quotation
 - a. Valid PhilGEPS Registration Number / Organization ID
 - b. Valid Mayor's/Business Permit
 - c. Valid PCAB License
2. Upon issuance of NOA
 - a. Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)
 - b. Income/Business Tax Return (For ABCs above P500,000.00)

**Requirements under Section 53.6 (Scientific, Scholarly or Artistic Work, Exclusive Technology and Media Services) of the revised IRR of RA No. 9184 will not apply to artists such as singer, performer, poet, writer, painter and sculptor who are engaged in business.*

***Requirements under Section 53.10 (Lease of Real Property or Venue) of the revised IRR of RA No. 9184, specifically Mayor's/Business Permit, PhilGEPS Registration Number and Income/Business Tax Return will not apply to government agencies as lessors.*

****For methods of procurement requiring Mayor's Permit and PhilGEPS Registration Number, valid Certificate of Platinum Membership may be submitted in lieu of the said documents.*

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
3. Liquidated damages of at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay shall be imposed by the DOST-ASTI pursuant to Section 68 of the revised IRR of RA No. 9184; and
4. The DOST-ASTI 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 Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.