



**ASTI-FM 03-10**  
**REV 5/ 30 APR 2024**

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

<b>Kind of Procurement Activity:</b>	Negotiated Procurement:Small-value Procurement		
<b>Deadline of Submission of Bids:</b>	Jun-14-2024, 2:00 PM		
<b>RFQ No.:</b>	24-06-4862	<b>Date:</b>	June-10-2024
<b>PR No.:</b>	GAA-24-05-19303	<b>Date:</b>	May-29-2024

*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.

**BAYANI BENJAMIN R. LARA**  
*BAC Chairperson*

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (4.8mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.2. The Approved Budget for the Contract (ABC) includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 4.8 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30)</p>	5	meter	30.00	150.00

	<p>calendar days upon issuance of Notice to Proceed (NTP).</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
2	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (3.2mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 3.2 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	5	meter	30.00	150.00
3	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (7.9mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 7.9 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p>	5	meter	35.00	175.00

	<p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
4	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (12.7 mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 12.7 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	5	meter	55.00	275.00
5	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (19.1mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 19.1 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p>	5	meter	50.00	250.00

	<p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
6	<p><b>Workshop Consumable - Adhesive Lined Heat Shrink Tubing (15.4mm)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) METERS OF ADHESIVE LINED HEAT SHRINK TUBING to be used in the continuous operation of the Metbuoy station.</p> <p>1.1.1. Will be part of the prototype under the STRIIDER project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 15.4 mm</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	5	meter	42.00	210.00
7	<p><b>Cable Assembly - USB Extension Cable (5 meters)</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) PCS OF USB EXTENSION CABLE to be used to configure and troubleshoot the Metbuoy station at a distance.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Length: 5 m</p> <p>2.2. Connector:</p> <p>2.2.1. USB-A Male</p> <p>2.2.2. USB-A Female</p> <p>2.3. Conductor cable:</p>	3	pc	200.00	600.00

	<p>2.3.1. Power: 28 AWG 2.3.2. Data: 24 AWG</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP. 4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user. 4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
8	<p><b>Cable Assembly - USB Extension Cable (3 meters)</b></p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) PCS OF USB EXTENSION CABLE to be used to configure and troubleshoot the Metbuoy station at a distance. 1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Length: 3 m 2.2. Connector: 2.2.1. USB-A Male 2.2.2. USB-A Female 2.3. Conductor cable: 2.3.1. Power: 28 AWG 2.3.2. Data: 24 AWG</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP. 4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user. 4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	3	pc	130.00	390.00
9	<p><b>Workshop Consumable - Drill Bit</b></p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIFTEEN (15) SETS OF DRILL BIT to be used to drill the various</p>	15	set	200.00	3,000.00

	<p>boards of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. 13 pcs</p> <p>2.1.1. Sizes:</p> <p>2.1.1.1. 1.5 mm</p> <p>2.1.1.2. 2 mm</p> <p>2.1.1.3. 2.5 mm</p> <p>2.1.1.4. 3 mm</p> <p>2.1.1.5. 3.2 mm</p> <p>2.1.1.6. 3.5 mm</p> <p>2.1.1.7. 4 mm</p> <p>2.1.1.8. 4.5 mm</p> <p>2.1.1.9. 4.8 mm</p> <p>2.1.1.10. 5 mm</p> <p>2.1.1.11. 5.5 mm</p> <p>2.1.1.12. 6 mm</p> <p>2.1.1.13. 6.5 mm</p> <p>2.2. Straight round shark</p> <p>2.3. Material: High-speed steel (HSS)</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
10	<p><b>Deployment Gear - Safety Harness</b></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) PCS OF SAFETY HARNESS to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Color: Blue</p> <p>2.2. Size: Large</p> <p>2.3. Waist belt: 84 – 92 cm</p> <p>2.4. Leg loops: 56 – 64 cm</p> <p>2.5. Materials: Nylon, polyester, EVA, polyurethane, aluminum, high-modulus polyethylene</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p>	2	pc	7500.00	15,000.00

	<p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
11	<p><b>Deployment Gear - Safety Harness</b></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) PCS OF SAFETY HARNESS to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Color: Blue</p> <p>2.2. Size: Medium</p> <p>2.3. Waist belt: 77 – 84 cm</p> <p>2.4. Leg loops: 51 – 61 cm</p> <p>2.5. Materials: Nylon, polyester, EVA, polyurethane, aluminum, high-modulus polyethylene</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	2	pc	7500.00	15,000.00
12	<p><b>Deployment Gear - Carabiner</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FOUR (4) PCS OF CARABINER to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Axis strength:</p>	4	pc	4500.00	18,000.00

	<p>2.1.1. Major: 25 KN 2.1.2. Minor: 9 KN 2.2. Open gate strength: 7 KN 2.3. Size: Gate opening 2.1”</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP. 4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user. 4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
13	<p><b>Deployment Gear - Carabiner</b></p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FOUR (4) PCS OF CARABINER to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station. 1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS 2.1. Locking system: Twist-lock 2.2. Type: B 2.3. Color: Gray 2.4. Axis strength: 2.4.1. Major: 27 kN 2.4.2. Minor: 8 kN 2.5. Open gate strength: 7 kN</p> <p>3. WARRANTY 3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials. 3.2. Warranty service shall commence from the date of end-user acceptance. 3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS 4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP. 4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user. 4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	4	pc	1750.00	7,000.00
14	<p><b>Deployment Gear - Rope Lock</b></p> <p>1. GENERAL OVERVIEW 1.1. DOST-ASTI is seeking qualified and competent</p>	2	pc	6500.00	13,000.00



	<p>bidders for the SUPPLY AND DELIVERY OF TWO (2) PCS OF ROPE LOCK to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Has three different modes of operation:</p> <p>2.1.1. Ascender</p> <p>2.1.2. Pulley</p> <p>2.1.3. Progress-capture hauling pulley</p> <p>2.2. Features:</p> <p>2.2.1. Allows ascending the rope in accordance with EN 567 / EN 12841-B standards</p> <p>2.2.2. Can be used as a simple pulley for lifting or transferring load in accordance with the EN 12278 standard (pulley mode)</p> <p>2.2.3. Allows the direct lifting of a load, creation of hauling systems and rescue or self-rescue of a person</p> <p>2.2.4. Switching from one model to another is intuitive and can be done with gloves on or while operating in difficult conditions</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
15	<p><b>Deployment Gear - Harness Rope</b></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) PC OF HARNESS ROPE to be used as additional protection for the staff who perform the series maintenance of the Metbuoy station.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Diameter: 9 mm</p> <p>2.2. Percentage of sheath: 39 %</p> <p>2.3. Material: Nylon</p> <p>2.4. Color: Orange</p> <p>2.5. Length: 30 m</p> <p>2.6. Certifications: CE EN 892, UKCA, UIAA</p> <p>2.7. Rope type:</p> <p>2.7.1. Multi-type: Single, half and twin</p> <p>2.8. Static elongation:</p>	1	pc	10000.00	10,000.00

	<p>2.8.1. Single: 7.6 %  2.8.2. Half: 7.6 %  2.8.3. Twin: 4.4 %  2.9. Dynamic elongation:  2.9.1. Single: 34 %  2.9.2. Half: 30 %  2.9.3. Twin: 27 %  2.10. Impact force:  2.10.1. Single: 8.5 kN  2.10.2. Half: 6.6 kN  2.10.3. Twin: 10.4 kN</p> <p>3. WARRANTY  3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.  3.2. Warranty service shall commence from the date of end-user acceptance.  3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS  4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.  4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.  4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
16	<p><b>Hand Tool - Industrial Measuring Tape</b></p> <p>1. GENERAL OVERVIEW  1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF THREE (3) PCS OF INDUSTRIAL MEASURING TAPE to be used in the continuous operation of the Metbuoy station.  1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS  2.1. Maximum reach: 12 ft – 16 ft  2.2. With 3” bladearmor for hook protection  2.3. Durable blade coating to resist abrasion</p> <p>3. WARRANTY  3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.  3.2. Warranty service shall commence from the date of end-user acceptance.  3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS  4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.  4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.  4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	3	pc	1300.00	3,900.00

17	<p><b>Antenna - LTE Antenna</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF LTE ANTENNA to be used for the operation of the LTE prototype board.</p> <p>1.1.1. Will be part of the prototype under the Metbuoy+ project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Antenna type: Internal (Off board)</p> <p>2.2. Technology: 2G / 3G / 4G / 5G / Cellular / LTE / LTE-M / NB-IoT / Sub-6 GHz / SigFox / LoRa / LPWA</p> <p>2.3. Frequency: 617 – 960 MHz / 1400 – 2690 MHz / 3300 – 5000 MHz</p> <p>2.4. Peak gain: 2.5 – 6.0 dBi</p> <p>2.5. Average efficiency: 35 – 61 %</p> <p>2.6. Mounting: Adhesive + Cable + Connector</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	5	pc	495.00	2,475.00
18	<p><b>Sensor - Multilayer Warning Light</b></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) PC OF MULTILAYER WARNING LIGHT to be used that gives signal if the water quality parameters acquired by the Metbuoy station are already below the threshold.</p> <p>1.1.1. Will be part of the prototype under the Metbuoy+ project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Mode: Always ON (T)</p> <p>2.2. Colors: Red, Orange, Green</p> <p>2.3. Voltage:</p> <p>2.3.1. DC: 12 V / 24 V</p> <p>2.3.2. AC: 110 V / 220 V</p> <p>2.4. Power: 0.9 W / layer</p> <p>2.5. LED bead quantity: 15 pcs / layer</p> <p>3. WARRANTY</p>	1	pc	1500.00	1,500.00

	<p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
19	<p><b>Transceiver - LoRaWAN Gateway</b></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) SETS PCS OF LoRaWAN GATEWAY to be used to receive multiple LoRa data from the Metbuoy station.</p> <p>1.1.1. Will be part of the prototype under the Metbuoy+ project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Without LTE</p> <p>2.2. Frequency: 868 MHz</p> <p>2.3. Number of channels: 8</p> <p>2.4. Memory:</p> <p>2.4.1. CPU: Quad-core cortex-A7 1.2 GHz</p> <p>2.4.2. RAM: 512 MB</p> <p>2.4.3. eMMC: 4 GB</p> <p>2.5. Interface:</p> <p>2.5.1. 10/100M RJ45 ports x 1</p> <p>2.5.2. Multi-channel LoRaWAN wireless</p> <p>2.5.3. WiFi 802.11 b/g/n</p> <p>2.5.4. Maximum output power: 27 dBm</p> <p>2.5.5. Sensivity: -140 dBm</p> <p>2.6. Open-source Debian system</p> <p>2.7. Remote management</p> <p>2.8. 10 programmable parallel demodulation</p> <p>3. PACKAGE INCLUSION</p> <p>3.1. One (1) LoRaWAN gateway</p> <p>3.2. One (1) LoRa antenna</p> <p>3.3. One (1) USB Type-C charge</p> <p>4. WARRANTY</p> <p>4.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>4.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>4.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>5. DELIVERY AND PAYMENT TERMS</p> <p>5.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p>	2	set	20000.00	40,000.00

	<p>5.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>5.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>				
20	<p><b>GPS antenna</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. DOST-ASTI is seeking qualified and competent bidders for the SUPPLY AND DELIVERY OF FIVE (5) PCS OF GPS ANTENNA to be used for the operation of the LTE prototype board.</p> <p>1.1.1. Will be part of the prototype under the Metbuoy+ project.</p> <p>1.2. The ABC includes all applicable government taxes and services charges.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Passive GPS antenna</p> <p>2.2. Interface: uFL</p> <p>2.3. Gain: approx. 1 dBi</p> <p>3. WARRANTY</p> <p>3.1. Must have at least six (6) months of warranty from the time of delivery which covers defects in materials.</p> <p>3.2. Warranty service shall commence from the date of end-user acceptance.</p> <p>3.3. Any replacement service must be successfully performed within fifteen (15) calendar days.</p> <p>4. DELIVERY AND PAYMENT TERMS</p> <p>4.1. The goods must be delivered within thirty (30) calendar days upon issuance of NTP.</p> <p>4.2. Full payment will only be processed once the items are completely delivered, inspected, and accepted by the End-user.</p> <p>4.3. No payment shall be made for the supplies and materials not yet delivered under this contract.</p>	5	pc	450.00	2,250.00

**TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):**

**Php 133,325.00**

**GUIDELINES**

**A. Content and Format of Quotations**

1. The Quotation/s must include the RFQ Number or the PR Number indicated above
2. Bidders must specify the BRAND NAMES and MODEL NAMES/NUMBER for the following goods:
  - a. Computer and electronic equipment and its accessories or peripherals
  - b. Software applications, programs, and digital licenses
  - c. Commercial off-the-shelf electronic devices or components
3. 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.
4. 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.