



ASTI-FM 03-11
REV 1/08 JUN 2022

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

IB No:	23-07-4439	Date:	2023-07-10
PR No:	VIROS-22-11-15503	Date:	2023-05-26
Source of Funds:	VIROS-ROVE: V2X Initiatives for Road Safety Road Safety V2x Initiatives		
Total ABC:	Php 1,800,000.00		
Time, Date & Venue of Pre-bid Conference:	July 18, 2023, 9:00 AM at Videoconferencing (MS Teams)		
Time and Date of Submission of Bids:	July 31, 2023, 9:00 AM		
Time, Date & Venue of Opening Bids:	July 31, 2023, 9:30 AM at DOST-ASTI and Videoconferencing (MS Teams)		
Date of availability of Complete Set of Documents:	July 11, 2023		
Deadline of Potential Bidder's Clarifications:	July 21, 2023		
Deadline of ASTI's Supplemental Bid Bulletin:	July 24, 2023		
Delivery Schedule:			

The *Department of Science and Technology (DOST)* - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested Bidders to submit their bids for the *item/s* listed below. *Section II. Instructions to Bidders (ITB) of the DOST-ASTI Bidding Documents provides information necessary for bidders to prepare responsive bids, in accordance with the requirements of DOST-ASTI. The ITB likewise provides information on*

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 of Republic Act No. 9184.*

A complete set of *DOST-ASTI Bidding Documents* may be acquired by interested Bidders on the date and address given on this document, and upon payment of the applicable fee, pursuant to the latest Guidelines issued by the Government Procurement Policy Board. Further, the *DOST-ASTI Bidding Documents* may be accessed through the *DOST-ASTI website (https://asti.dost.gov.ph/)*.

For further inquiries, you may contact the **DOST-ASTI BAC Secretariat** at telephone number **+63 2 8249-8500 / +63 2 8426-9755 local 1206/1212** or send your message to **bac-sec@asti.dost.gov.ph**.

Respectfully,

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	JNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Traffic Actuators with Accessories</p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders for the supply and delivery of one (1) Lot of Traffic Actuators with Accessories.</p> <p>1.2. Said equipment shall be used as components for the project's prototyping of STEER Unit.</p> <p>1.3. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.4. The technical specifications written herein are of minimum requirement, otherwise stated.</p> <p>2. SUPPLY AND DELIVERY OF THE FOLLOWING ITEMS:</p> <p>2.1. Traffic Actuators with Accessories</p> <p>2.1.1. One (1) Lot Traffic Actuators with Accessories includes four (4) sets of the following:</p>	1	lot	1,800,000	1,800,000.00

ASTI Bldg., U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101

• Website: www.asti.dost.gov.ph • E-mail: info@asti.dost.gov.ph • Tel. No.s: +632 927-2541, +632 927-3502, +632 426-9759, +632 426-9760
• Fax No.: +632 925-8598

2.1.1.1. One (1) Set Variable Message
 Sign
 2.1.1.2. One (1) Unit Traffic Light
 2.1.1.3. One (1) Unit Direction Light
 2.1.1.4. Two (2) Units Pedestrian Light
 2.1.1.5. One (1) Unit AVR Power Supply
 2.1.2. One (1) Lot Traffic Actuators with
 Accessories Specifications:
 2.1.2.1 One (1) Set Variable Message
 Sign
 2.1.2.1.2. LED Panel (2 Units)
 2.1.2.1.1.1. Display Dimension
 (W x H): 0.96m x 0.96m
 2.1.2.1.1.2. Pixel Pitch: P5
 (5.9mm)
 2.1.2.1.1.3. Resolution: 24 x
 24
 2.1.2.1.1.4. Viewing Angle:
 140 degrees
 2.1.2.1.1.5. Cabinet Material:
 Metal IP65, Black in color, for Outdoor Use
 2.1.2.1.1.6. Weight of
 Cabinet: 44kg
 2.1.2.1.1.7. Color
 Temperature: 3000 - 10000K
 2.1.2.1.2. Sending Card (1 Unit)
 2.1.2.1.2.1. Capacity: 1.3
 million pixels
 2.1.2.1.2.2. Supply Voltage:
 AC-100-240V-50/60HZ
 2.1.2.1.2.3. Control Method:
 USB Interface
 2.1.2.1.2.4. Video Interface:
 DVI
 2.1.2.1.2.5. Audio Interface:
 3.5mm
 2.1.2.1.2.6. Video Format: RGB
 2.1.2.1.2.7. Output Interface:
 2 Ethernet ports
 2.1.2.1.2.8. Bit Depth of
 Video Resource: 8bit
 2.1.2.1.2.9. Light Sensor
 Interface: 1
 2.1.2.1.2.10. Certification:
 CE; RoH; SFCC; EAC; IC
 2.1.2.1.3. Receiving Card (2 Units)
 2.1.2.1.3.1. Resolution:
 256x256 pixels
 2.1.2.1.3.2. RGB Data Output:
 16 groups
 2.1.2.1.3.3. Monitoring Card
 Applicable
 2.1.2.1.3.4. Support Memory on
 Module
 2.1.2.1.3.5. HUB75 Interface:
 Integrates 8 standard HUB75 connectors
 2.1.2.2. One (1) Unit Traffic Light
 2.1.2.2.1. 200mm full ball traffic
 light
 2.1.2.2.2. red+amber+green color,
 2.1.2.2.3. cobweb lens or clear
 lens
 2.1.2.2.4. Steel or Polycarbonate
 IP65 Enclosure
 2.1.2.2.5. Voltage: 12-24VDC

100-240VAC

2.1.2.3. One (1) Unit Direction Light

2.1.2.3.1. 200mm full ball traffic light

2.1.2.3.2. red+amber+green color,

2.1.2.3.3. cobweb lens or clear lens

2.1.2.3.4. Steel or Polycarbonate IP65 Enclosure

2.1.2.3.5. Voltage: 12-24VDC
100-240VAC

2.1.2.4. Two (2) Units Pedestrian Light

2.1.2.4.1. 200mm full ball traffic light

2.1.2.4.2. red+green color,

2.1.2.4.3. cobweb lens or clear lens

2.1.2.4.4. Steel or Polycarbonate IP65 Enclosure

2.1.2.4.5. Voltage: 12-24VDC
100-240VAC

2.1.2.5. One (1) Unit AVR Power Supply

2.1.2.5.1. Range of Input Voltage:
140V - 250VAC

2.1.2.5.2. Maximum Output Voltage:
2,000 VA

2.1.2.5.3. Input/ Output Voltage:
110V and 220 V

2.1.2.5.4. Over - Voltage
Protection Value: 246V + ~4%

2.1.2.5.5. Under - Voltage
Protection Value: 184V + ~4%

2.1.2.5.6. Frequency: 50~60Hz

2.1.2.5.7. Efficiency: ~90%

2.1.2.5.8. Adjusting Time: 1.5 sec
(when input voltage has a change of 10%)

2.1.2.5.9. Long Time Delay (for
220V output only):5 + 2 mins

2.1.2.5.10. Short Time Delay (for
220V output only): 5 + 2 sec

3. WARRANTY AND AFTER SALES SUPPORT

3.1. All units must carry six (6) months warranty for other parts and services that covered defects in materials and workmanship.

3.2. Replacement units should be provided for defective units, fifteen (15) calendar days upon receipt of notice from End-users/DOST-ASTI Property and Supply Section.

3.2.1. Defective units may be defined as units not working upon testing or units that have failed to work after testing within seven (7) calendar days from purchase.

3.3. End- users must be able to request technical support by phone or email. Moreover, technical support service should be available and can reached from Mondays to Fridays at 8am-5pm subject upon the availability of the aforementioned.

3.3.1. The end-user should receive feedbacks and responses from the third party twenty-four (24) hours after the inquiry or concern was made.

4. PAYMENT AND DELIVERY TERMS

4.1. Delivery of Goods and/or performance of services shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed.

4.2. Traffic Actuators with Accessories Lot must be

brand new and unused.
 4.3. Payment shall be made only upon certification/acceptance by End User to the effect that the Goods have been rendered or delivered in accordance with the terms of this Contract and have been duly inspected and accepted. No payment shall be made for services not yet rendered or for the supplies and material not yet delivered under this Contract.
 4.4. The price of the bid must be inclusive of government tax and fees.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 1,800,000.00

RESERVATION CLASE

The Advanced Science and Technology Institute 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.

