



ASTI-FM 03-11  
REV 1/13 January 2020

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

<b>ITB No:</b>	21-03-3356	<b>Date:</b>	March-15-2021
<b>PR No:</b>	GAA-20-11-10596	<b>Date:</b>	November-23-2020
<b>Source of Funds:</b>			
<b>Total ABC:</b> Php 62,791,600.00			
<b>Time, Date &amp; Venue of Pre-bid Conference:</b> March 23, 2021, 10:30 AM at Videoconferencing			
<b>Time and Date of Submission of Bids:</b> April 05, 2021, 09:30 AM			
<b>Time, Date &amp; Venue of Opening Bids:</b> April 05, 2021, 10:00 AM at DOST-ASTI & Videoconferencing			
<b>Date of availability of Complete Set of Documents:</b> March 15, 2021			
<b>Deadline of Potential Bidder's Clarifications:</b> March 26, 2021			
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b> March 29, 2021			
<b>Delivery Schedule:</b>			

The 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. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents

Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - [www.asti.dost.gov.ph](http://www.asti.dost.gov.ph)

For further inquiries, contact ASTI's BAC Secretariat via email at [bac-sec@asti.dost.gov.ph](mailto:bac-sec@asti.dost.gov.ph). Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,

**REYNALDO JOSEPH A. CALLAO JR.**  
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<b>Daily Optical Satellite Imaging</b> I. Constellation 1 Requirements - at least 100 satellites - at least 3 meters ground sample distance (GSD) (nadir) - at least four spectral bands (RGB, NIR) - at least 300,000 sq km. coverage for the year - images must be available in raw, radiometrically & geometrically corrected, and orthorectified formats. - access to a platform (API & GUI) for viewing of images collected, and areas of interest - end-user must have access to historical archive with the option to choose the cloud cover II. Constellation 2 Requirements - at least 15 satellites - At least 4 spectral bands (RGB, NIR)	1	lot	36395800.00	36,395,800.00

- At least 0.5 meters ground sample distance (GSD) (nadir)

- At least 50 images

- At least 25 sq.km. per image

### III. Basemap

- access to download at least two basemaps of the Philippines, including its Exclusive Economic Zone (EEZ), for the duration of the contract

### IV. Trial

- A trial of one image download will be used to evaluate the validity and quality of the different kinds and modes of satellite data, as applicable, (must also include the corresponding metadata) during the post-qualification period

### V. Mode of Delivery

- Once data is available, bidder must ensure that the mode of transfer is stable and secure (ex. https, ftp)

### VI. License Terms

- The DOST-ASTI will be allowed, as part of the licensing agreement with the telemetry supplier, to freely

distribute data and imagery products within the government hierarchy, including public research and development (R&D) institutions and academia, to support various applications and operational activities. In case of conflict, Philippine laws shall take precedence.

### VII. Payment Terms

- Progress billing, subject to actual number of images downloaded / utilized

- Subject to the usual government terms and regulations

- Unutilized image allocations shall no longer be payable after the duration of the contract

### VIII. The supplier shall also provide the following documents:

- Proof of Authority of the Bidder's authorized representative/s, i.e., Secretary's Certificate or Special Power of Attorney;

- Proof of Offers for manufacturer's supplied items containing all the technical information about the product, i.e., product brochures, unamended product literature, etc.;

- Statement of Aftersales Technical Support including trained technician, engineers or personnel, who are competent and qualified to provide aftersales service;

- Troubleshooting Escalation Procedure, which must reflect escalation plans or measures to be implemented when unexpected issues or problems arise. Include contact details of personnel in charge of technical support; and

- Proof of Warranty as the Procuring Entity reserves the right to accept or reject the delivered images subject to the actual capture of area of interest

	<p>Notes:</p> <ul style="list-style-type: none"> <li>- Price inclusive of government fees, taxes and duties</li> <li>- Delivery: access/service to be given within 10 days upon issuance of NTP</li> </ul>				
2	<p><b>Direct Reception High Resolution Satellite Imaging</b></p> <p>I. Satellite Access</p> <ul style="list-style-type: none"> <li>- Satellites must be compatible with existing collection planning systems at the ASTI-GRS</li> </ul> <p>I.A. High Resolution Optical Satellite</p> <ul style="list-style-type: none"> <li>- access to X-band telemetry for direct reception at ASTI-GRS of raw images (Level 0 or equivalent)</li> <li>- option to increase product level using available hardware at ASTI-GRS</li> <li>- satellite must have at least 0.7m resolution for the PAN band and 2.8m resolution for the MS bands at nadir</li> </ul> <p>I.B. SAR Satellite</p> <ul style="list-style-type: none"> <li>- access to X-band telemetry for direct reception at ASTI-GRS of raw images (Level 0 or equivalent)</li> <li>- option to increase product level using available hardware at ASTI-GRS</li> <li>- satellite must have a resolution of at least 0.85m</li> </ul> <p>II. Trial</p> <ul style="list-style-type: none"> <li>- A trial of one image capture (tasking and download) for each satellite will be used to evaluate the validity and quality of the different kinds and modes of satellite data (must also include the corresponding metadata) during the post-qualification period</li> </ul> <p>III. Response Time</p> <ul style="list-style-type: none"> <li>- Image requests should have a response time of at least 24 hours (regardless if approved or rejected). If the request is acceptable, data should be available within 72 hours from the time of approval.</li> </ul> <p>IV. Mode of Delivery</p> <ul style="list-style-type: none"> <li>- Once data is available, supplier must ensure that the mode of transfer is stable and secure, such as, but not limited to, FTP and hard drives.</li> </ul> <p>V. License Terms</p> <ul style="list-style-type: none"> <li>- The DOST-ASTI will be allowed to freely distribute data and imagery products within the government hierarchy, including public research and development (R&amp;D) institutions and academia, to support various applications and operational activities. In case of conflict, Philippine laws shall take precedence.</li> </ul> <p>VI. Telemetry</p> <ul style="list-style-type: none"> <li>- Access to task and download at least 329 scenes, interchangeable for both satellites</li> <li>- One new tasking scene shall be equivalent to two archive images - Scenes may be exchanged for other satellites</li> </ul> <p>VII. Payment Terms</p> <ul style="list-style-type: none"> <li>- Progress billing, subject to actual number of images downloaded / utilized</li> <li>- Subject to the usual government terms and regulations</li> <li>- Unutilized image allocations shall no longer be payable after the duration of the contract</li> </ul> <p>VIII. The supplier shall also provide the following documents:</p>	1	lot	26395800.00	26,395,800.00

<ul style="list-style-type: none"> <li>- Proof of Authority of the Bidder's authorized representative/s, i.e., Secretary's Certificate or Special Power of Attorney;</li> <li>- Proof of Offers for manufacturer's supplied items containing all the technical information about the product, i.e., product brochures, unamended product literature, etc.;</li> <li>- Statement of Aftersales Technical Support including trained technician, engineers or personnel, who are competent and qualified to provide aftersales service;</li> <li>- Troubleshooting Escalation Procedure, which must reflect escalation plans or measures to be implemented when unexpected issues or problems arise. Include contact details of personnel in charge of technical support; and</li> <li>- Proof of Warranty as the Procuring Entity reserves the right to accept or reject the delivered images subject to the actual capture of area of interest</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <li>- Price inclusive of government fees, taxes and duties</li> <li>- Delivery: access/service to be given within 10 days upon issuance of NTP</li> </ul>				
<b>TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):</b>				<b>Php 62,791,600.00</b>
<b>RESERVATION CLAUSE</b>				
<p>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.</p>				