

Republic of the Philippines Department of Science and Technology

ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE



ASTI - FM 03-17 REV 0 / 02 April 2018

PURCHASE ORDER

Supplier:	Unotronix Inc.				18-11-0327 .	
Address:	5th Flo	or Filipino Bldg., 135 dela Rosa St., Legaspi Village, City	PO Date:		November 25, 2018 ·	
TIN:	006-32	4-481-000	Mode of F	Procurement:	Competitive Bidding: Goods and Services	
Gentleman:	Please	furnish this Office the following articles subject to the terms ar	nd condition	ns contained here	in: Equipment should be Delivered 180 calendar days upon issuance of Notice to Proceed, Training and Installation shall be completed within	
Place of Delivery:		ASTI Bldg., C.P. Garcia Ave., U.P. Technology Park Complex, U.P. Campus, Diliman, Quezon City 1101		Term:	60 calendar days after delivery	
Date of Deli	vегу:		Payment Term:		Government Terms	
	,	<u>.</u>	Warranty	Term:		
Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount	
1	lot	Satellite Modern System .	1	P 11,100,000.00	P 11,100,000.00	
		- >40k hrs MTBF - with redundant power supplies - hardened OS I.A. Independent, dual channel receiver - IF Input of 720 MHz or 1200 MHz (Tunable), or equivalent to be compatible with the supported ASTI-GRS satellites - With matched filtering and adaptive baseband equalization for correction of cable/channel distortions - Output: at least 2x 1GbE and 2x 10GbE-T UDP/IP - Must support V.35 descrambler I.B. Direct PSK - Up to 500 MSym/s - BPSK, QPSK, SQPSK, 8PSK, MSK - Reed-Solomon - Viterbi (up to 200 Mbps) I.C. DVB-S2 - All LDPC-BCH FEC Code Rates - QPSK, 8PSK, 16APSK, 32APSK - Up to 250 MSym/s - Generic Continuous Stream II. Test Modulator - Single channel modulator with matching IF and functions for test loopback - Has pulse shaping with RC, RRC and bandpass filtering - Test modulator should be able to utilize resources from one of the receiver channels III. Telemetry and Commanding System (T&C) - Small satellite specific software modern with front end digitizer for providing command and telemetry modulation - Tunable 50-2500 MHz front-end, or equivalent to be compatible with the support/data rates up to 5 Msps - One uplink and one downlink channel - 10 MHz bandwidth support/data rates up to 5 Msps - PCM/FM modulator - FSK/GMSK modulator/demodulator - FSK/GMSK modulator/demodulator - PSK modulator/demodulator (BPSK, QPSK, OQPSK)				

•	- Tx/Rx Berts - Application - User Guide V. Host Syst - Supplier sh applications - Processor s - Processor s threads	cD and ICD em all provide a host system for the software should be at least 3.0 GHz must have at least six (6) cores and twelve (12)	,		
	- At least 1TI - Includes wi - Includes at - Includes lat - Supplier sh the software VI. Installation	on and training			
	- Supplier to approval upo - Supplier sh of the end-us - Site accept successful d GRS satellite	ance test should include a provision for ownload and reception of supported ASTI-			
	equipment to - 20% payme acceptance	ent to be processed upon complete shipping of the end-user ent to be processed upon end-user's of equipment and completion of training ts shall be made subject to government terms,			
	- At least 1 y - Delivery: Edupon issuand	sive of government fees, taxes and duties ear warranty support for all items quipment should be delivered within 180 days ce of NTP, training and installation shall be ithin 60 days after delivery			
				TOTAL:	₱11,100,000.00

The contract price is inclusive of taxes and other fees or charges. In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed on the undelivered item/s. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, DOST-ASTI may rescind or terminate the contract, without prejudice to other courses of action and remedies available under the circumstances and in accordance with the provisions of the lates implementing rules ad regulations of RA 9184.

Confor	me:	Very Truly Yours,					
			JOEL JOSEPH	S. MARCIANO, JR., Ph.D.			
(Signature over		Printed Name of Supplier)	₹ Ac	Acting Director			
	}	(Date)					
Fund (Cluster:	01	ORS / BURS No.:	91019201212-60123)			
			ORS / BURS Date:	December 7, 2018			
Funds	Available:	學11,100,000.00	Amount:	₽ 11'1.AD ' ADD' DS			
		GAY CONCERCION	S. BUGAGAO				
		Accountar	nt III				



Republic of the Philippines Department of Science and Technology

ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE



25 November 2018

Respectfully,

NOTICE TO PROCEED

	PUBLIC BIDDING
Sales Head Unotronix I 5th Floor Fi	
Dear Mr. Sa	armiento,
Notice is he	reby given to Unotronix Inc. that work/delivery may proceed for the following procurement details:
(inclusive of	Contract Name : Supply, Delivery, and Installation of Satellite Modem System Purchase Request No. : GAA-18-06-5907 Purchase / Work Order No. : 18-11-0327 Total Contract Price : Php 11,100,000.00 taxes, import duties and all other charges or fees) Total Contract Price in Words : Eleven Million One Hundred Thousand Pesos
	ng receipt of this Notice, you are responsible for performing the services under the terms and conditions of the Purchase Order/Work Order and in accordance with the schedule of requirements/delivery schedule.
Supplies, o Entity of the every progr The said ar consumptio	o hereby required to file a Warranty Security for a minimum period of three (3) months, in the case of Expendable r a minimum period of one (1) year, in the case of Non-Expendable Supplies, after acceptance by the Procuring delivered supplies. It shall by either retention money in an amount equivalent to at leastone percent (1%) of ess payment, or a special bank guarantee equivalent to at least _one percent (1%) of the total contract price. nounts shall only be released after the lapse of the warranty period or, in the case of Expendable Supplies, after in thereof: Provided, however, That the supplies delivered are free from patent and latent defects and all the imposed under the contract have been fully met.
	ilure to comply with the above requirements and failure to perform the services under the terms and conditions of ent/Purchase Order/Work Order may constitute grounds for its forfeiture.
Please acki	nowledge receipt and acceptance of this Notice by signing in the space provided below. There are two (2) copies

of this document; you may keep one copy and return the other to the Bids and Awards Committee (BAC) Secretariat of the Advanced Science and Technology Institute. Should you have any questions or clarifications, you may reach us at bacsec@asti.dost.gov.ph.

JOEL JOSEPH S. MARCIANO, JR., Ph.D. Acting Director				
ATE OF ISSUANCE:	RECEIVED BY:	WARRANTY SECURI		
	(Signature over Printed Name)	Type of Warranty Security: Amount of Warranty Security: O.R. No.:	Php	
	Date and Time			

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

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