



Republic of the Philippines  
Department of Science and Technology  
**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**



ASTI - FM 03-17  
REV 2 / 31 January 2020

**PURCHASE ORDER**

<b>Supplier:</b>	<b>JDR Trading Services</b>	<b>PO No.:</b>	<b>22-04-086</b>
<b>Address:</b>	<b>312 Tindalo St., Doña Rosario Heights, Posadas Ave., Sucat, Muntinlupa City</b>	<b>PO Date:</b>	<b>April 22, 2022</b>
<b>TIN:</b>	<b>223-429-920-000</b>	<b>Mode of Procurement:</b>	<b>NP: Small Value Procurement</b>

Gentleman:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

<b>Place of Delivery:</b>	<b>ASTI Bldg., C.P. Garcia Ave., U.P. Technology Park Complex, U.P. Campus, Diliman, Quezon City 1101</b>	<b>Delivery Term:</b>	<b>Thirty (30) calendar days upon issuance of NTP</b>
<b>Date of Delivery:</b>		<b>Payment Term:</b>	<b>Government Terms</b>
		<b>Warranty Term:</b>	

Stock / Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Piece	<p><b>16 GB RAMS for mobile development workstation/ laptops</b></p> <p>1 General Overview 1.1 The Advanced Science and Technology Institute is seeking qualified and competent for the delivery of fourteen (14) pieces RAM for Development Workstation. 1.2 The approved budget for the contract is inclusive of all applicable government taxes and service charges 1.3 The technical specifications indicated herein are minimum requirement, unless otherwise specified.</p> <p>2 Technical Specification 2.1 CL(DD): 22 cycles 2.2 Row Cycle Time (tRCmin): 45.75ns (min.) 2.3 Refresh to Active/Refresh Command Time (tRFCmin): 350ns(min.) 2.4 Row Active Time (tRASmin): 32ns(min.) 2.5 UL Rating: 94 V - 0 2.6 Operating Temperature: 0 Degree C to +85 Degree C 2.7 Storage Temperature: -55 Degree C to +100 Degree C</p> <p>3 Features 3.1 Power Supply: VDD = 1.2V Typical 3.2 VDDQ = 1.2V Typical 3.3 VPP = 2.5V Typical 3.4 VDDSPD = 2.2V to 3.6V 3.5 Nominal and dynamic on-die termination (ODT) for data, strobe, and mask signals 3.6 Low-power auto self refresh (LPASR) 3.7 Data bus inversion (DBI) for data bus</p>	14	₱5,875.00	₱82,250.00

Postal Address : ASTI Bldg., U.P. Technology Park Complex,  
CP Garcia Ave., Diliman, Quezon City 1101  
Website : www.asti.dost.gov.ph  
Email : info@asti.dost.gov.ph

Tel No. : +632 8249-8500  
+632 8426-9755;  
Fax No. : +632 8426-9764

	<p>3.8 On-die VREFDQ generation and calibration  3.9 Single-rank  3.10 On-board I2 serial presence-detect (SPD) EEPROM  3.11 16 internal banks; 4 groups of 4 banks each  3.12 Fixed burst chop (BC) of 4 and burst length (BL) of 8 via the mode register set (MRS)  3.13 Selectable BC4 or BL8 on-the-fly (OTF)  3.14 Fly-by topology  3.15 Terminated control command and address bus  3.16 PCB: Height 1.18" (30.00mm)  3.17 RoHS Compliant and Halogen-Free</p> <p>4 Warranty and After Sales Support  4.1 Supplier warrants the items against defects in manufacturing and shipping and delivery issues.  4.2 Defective and incorrect items shall be replaced  4.3 Warranty Period should be 1 year; warranty on Parts and Labor with Premier Support</p> <p>5 Payment and Delivery Terms  5.1 The price of bid must be inclusive of government taxes and additional fees.  5.2 Government terms, payment upon complete delivery  5.3 Delivery of goods shall be made by the supplier within thirty (30) calendar days upon issuance of Notice to Proceed  5.4 The unit must be brand new and unused</p> <p><i>(Please see attached quotation.)</i></p>			
				<b>TOTAL:</b>
				<b>₱82,250.00</b>
<b>(Total Amount in Words)</b>		<b>Eighty Two Thousand Two Hundred Fifty Pesos Only</b>		

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 latest implementing rules and regulations of RA 9184.

Conforme:


Very Truly Yours,

\_\_\_\_\_  
(Signature over Printed Name of Supplier)

  
**FRANZ A. DE LEON, Ph.D.**  
Director, DOST-ASTI

  
Digitally signed by Bayani Benjamin R. Lara

MAY 6, 2022  
(Date)

<b>Fund Cluster:</b>	01	ORS / BURS No.:	011011012022-05-000291
<b>Funds Available:</b>	₱82,250.00	ORS / BURS Date:	MAY 5, 2022
		Amount:	₱82,250.00
 <b>GAY CONCEPCION S. BUGAGAO</b> Accountant III			