2 6 JAN 2024

PURCHASE ORDER

Province of Davao de Oro Agency/Procuring Entity

Date			Province of Davao de Oro Agency/Procuring Entity		Page 2
SMD Supplier: TRE Address: DOC E-mail Tel. TIN			The state of the s	PO Number: 231215 Date 12/29/23 Mode of PB Procurement PR No: 23-398	
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No. Steek No.	Unit of Issue	Quantity	Description	Unit Cost	Amount
			For centralized, stable and redundant storage of databases, and for seamless implementation of applications in the Provincial Capitol THE AWARD IS BASED ON ABSTRACT NO. 2312179 UNDER BID NO.B-23-0279 OPENED ON December 19, 2023		
				COMMISSION ON ALLIEU DATE 2./2.2 TIME: 8Y:	ED
			RESTRICTED CONTROL NO		
Total Amount			ighty Thousand Pesos Only		18,480,000.00
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No. Stock No. Unit of Issue Qua	ntity Description	Unit Cost	Amount
1 32441 lot	Mini Indoor Data Center(32441N) Specifications MINI INDOOR DATA CENTER - 1 set FusionModule800- U103A12ML: Subassembly Accessories, FusionModule800, Basic configuration BC3L-IT25kW-UPS10K*3 - Intelligent temperature control*2-ECC800-Pro- PAD-Smoke sensor CABINET SYSTEM - 2 units NetHos-M FR426135W-S: M-type Rack, 600mm(W)*1350mm(D)*2000mm(H), 42U, with elastic front door, with bottom plate, the front door is glass door - 1 unit FR428135W: M-type Rack, 800mm(W)*1350mm(D)*2000mm(H), 42U, with elastic front door, with bottom plate, the front door is glass door - 6 units IDSV2ACPDUM0: Distribution line- Metered type-PDU2000-32-1PH-20/4-M1- 20*C13+4*C19-Full height vertical- With Industrial connector-Supporting mounting plate use - 3 units IDSV2DKBM23: Full-height rPDU mounting plate, for M-type cabinets MONITOR SYSTEM - 1 unit 33010352: Sensor-Non positioning water immersion sensor-12VDC-NO/NC-Standard 5m immersion	COMMISSION ON JOSE DI TEAM 1 DATE 7.17: TIME EIY:	18,480,000,0
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No. Stock No. Unit of		Description	Unit Cost	Amount
		Cooling Only, International packaging - 3 units NetCol500- A018WC1E0: Smart Cooling Product, Air Cooling, Outdoor Unit, NetCol500- A018,865H*1040W*410D, International packaging RESERVE BATTERY SYSTEM FOR CABINET - 2 units SWSUBMCB: FusionModule800-MCB- 63A -For Battery Cabinet-Without Remote Control - 2 units FR426135W: Battery Basic Cabinet rack- 600mm(W)*1350mm(D)*2000mm(H) BATTERY - 2 units BRACKET01: Wide Gulde rail - 40 units BSD12V80AH01: Rechargeable Battery, VRLA Battery, 12V, 80Ah, 12V Monobloc, 289mm(W) *174mm(D) * 222mm(H), 1 PCS, Shoto 6-GFMHR-320W, UPS Battery CABLES - 2 pcs CABBUN20A: Cable Bundle, FusionModule800, 65AH/100AH 20 battery without midline, For Battery cabinet - 3 pcs DCRVV3C04mm001: Power Cable, 5.5m, 6*12AWG, RED, BLACK, YELLOW&GREEN (2*PP45R+2*PP45B+2*PP45Y&G), (RVV4^2(3C)Black), (3*(OT10-6)), 10k UPS to Battery Cabinet	COMMISSION ON AUCITUAVA RIZCEIVE DATE 7.2, TY	1
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No. Stock No.	Unit of Issue	Quantity	Description	Unit Cost	Amount
			- 25 pcs EECABYG6: Power Cable, UL1015, 6AWG, 600V, 90A, Yellow/Green - 4 pcs ACRVV3C06mm002: Power Cable, 3m, 3*6mm^2, Brown, Blue, Yellow/Green, (3*T6^2B), (RVV6^2(3C)B), (2*T6^2B+OT6-6), rPDU power supply - 4 pcs ACRVV3C06mm003: Power Cable, 3.6m,3*6mm^2,Brown, Blue, Yellow/Green, (3*T6^2B), (RVV6^2(3C)B), (2*T6^2B+OT6-6), Power supply - 4 pcs ACRVV3C06mm005: Power Cable, 7m, 3*6mm^2, Brown, Blue, Yellow/Green, (3*T6^2B), (RVV6^2(3C)B), (2*T6^2B+OT6-6), rPDU power supply - 8 pcs OT0010M6RO00: Naked Crimping Terminal, OT, 10mm^2, M6, Tin Plating, Naked Ring Terminal - 2 pcs IDS2CBLBDL21: Cable Bundle, FusionModule2000, smart ETH gateway link cable, 3m - 30 pcs C1024BL00: Power Cable, 600V/1000V, ZA-YJV, 5x10mm^2,Black(5Cores:Yellow, Green, Red, Blue, Black), 80A, CE (Unit:meter) - 8 pcs CAB-Straight Through-0.3: Signal Cable, Straight Through Cable, 0.3m, MP8-I, CC4P0.5GY, MP8-I - 8 pcs CAB-Straight Through-US-3: Single Cable, Straight Through Cable, 3.00m, MP8-I, CC4P0.5GY, MP8-I, Unshielded - 12 pcs IDS2SIGCBL02: Signal Cable,	COMMISION ON AUDIT THAN RECEI DATE TIME: BY	UAVA DE ORO
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			llowing articles subject to the terms and conditions con	tained herein:	
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No. Stock No.	Unit of Issue	Quantity		Unit Cost	Amount
		1 1/1	standard network cable, 5m, (MP8-I), (CC4P0.5GY), (MP8-I), Power supply - 7 pcs CAB-Straight Through-7: Signal Cable, UTP Straight Through Cable, 7m, (MP8-I), (CC4P0.5P430U), (MP8-I) - 4 pcs C600BLK00: Power Cable, 600V, UL1015, 8AWG, Black, 71A, UL (Unit:meter) - 4 pcs C600RED00: Electronic Electric Cable, 600V, UL1015, 8AWG, Red, 71A, UL - 1 pc ACRVV3C06mm001: Power Cable, 4.8m, 3*4mm^2, Black (3Cores:Blue, Brown, Yellow/Green), (2*T6*2B+OT6-6), ZA-RVV4mm^2(3C)B,(2*T6*2B+OT6-4), Power supply TECHNICAL SUPPORT SERVICE - 1 set 52274160-001_88134UGQ-22V_12: Smart Cooling Product, Air Cooling, Indoor Unit, NetCol5000-A013HX0E1, 486H*442W*800D, Horizontal Air Flow, Up&Down Pipe, Single Power Supply, Cooling Only, International packaging_Co-Care Standard NetCol5000-A 11-13kW_12Month(s) - 1 set 02233RYE_88134UGQ-61J_12: Sub assembly Accessories, FusionModule800, Basic configuration BC3L-IT25kW-UPS10K*3 - Intelligent temperature control*2-ECC800-Pro-PAD-Smoke sensor_Co-Care Standard-FusionModule800-Integrated UPS Cabinet-25kW-UPS10K*3-	COMMISION ON AUGRATE TEAMS DATE 2/	1
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No. Stock No.	Issue	Quantity	Description control*2_12Month(s)	Unit Cost	Amount
			DATA CENTER IMPLEMENTATION SERVICE -1 set 8814060128: FusionModule800 Installation guide and commissioning /pcs -1 set 8814060148: NetCol5000-A, NetCol5000-C, NetCol8000-C precision air conditioner supervision/pcs IMPLEMENTATION SERVICE FOR FM800 AND UPS SYSTEM WITH VRLA BATTERY -1 set 1.1 Inventory/ unboxing of equipment 1.2 Assembly and positioning of FMModule800, UPS cabinet, cooling cabinet, and battery cabinet 1.3 Mounting and Integration of UPS power modules and battery Modules 1.4 Installation of cables and sensors of UPS system, Cooling system and battery system 1.5 Assist on the installation of battery and inter-cell power 1.6 Tapping of AC cables to the main PDU of FM800 1.8 Testing and cheeking of AC power and battery system 1.9 Integration of monitoring of system monitoring	COMMISSION ON AUDITEDAN RECEIVED DATE TIME: BY:	1 1
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No. Stock No.	Unit of	Quantity	Description	10.3.2	
	Issue		1.9 Start-up and commissioning 1.10 Testing and configuration of system 1.11 User orientation/ User training 1.12 UPS functional testing - 1 package Support and Service Warranty Cost for 1year 1.1 1 Year Service Warranty Coverage 1.2 24/7 Service Desk support and On-call support 1.3 24/7 On-Site support / Remote support 1.4 Quarterly Visit Preventive Maintenance 1.5 Equipment warranty enrolled back-to-back w/ principal ELECTRICAL AND MECHANICAL WORKS FOR THE FM800 -1 package MECHANICAL: Hauling and positioning of PACU and condenser Supply & Installation of refrigerant pipe w/ insulation Supply & Installation of Control Wires with conduit from PACU to Condenser Supply & Installation of water line and drain line, tap to nearest tapping point Flushing and Leak testing of pipes Vacuuming of the system Supply of Refrigerant Housekeeping works	COMMISION ON AUDIT FEATURE 2./2	Amount OAVA DE ORO
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No. Stock No.	Unit of Issue	Quantity	Description	Unit Cost	Amount
			ELECTRICAL: Supply and installation of Electrical works from tappning point to Data Center Supply and installation of 40kVA Transformer PREVENTIVE MAINTENANCE: Quarterly preventive maintenance for 4 x NetCol5000 PACU (Good for 1 year) DATA CENTER FLOORING (VINYL FLOORING): 1 package Supply of labor and materials for anti static vinyl tiles, 34949 AVQT (plain) 3mm 300x300 white anti static vinyl tiles (26SQM) ACCESS CONTROL: Card-based Access Control System EM Lock Controller-Reader Power supply 10 x MiFare Card Installation, cabling and wiring CABLE TRAY SYSTEM: 1 package Cable Wire Mesh, 18 inches under floor Cable Ladder, 18 inches on the wall With installation VXRAIL NODE: 3 units VXRail S670 1 x Intel® Xeon® Silver 4314 2.4G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-	COMMISION DE AUTO DE LA TEMENTA DE LA TEMENT	The state of the s
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			2666 8 x 32GB RDIMM, 3200MT/s, Dual Rank, 16Gb BASE x8 3 x 4TB NLSAS ISE 12Gbps 7.2K 512n 3.5in Hard Drive 1 x 1.6TB SSD SAS ISE Mix Use 12Gbps 512 2.5in Flex Bay AG Drive, 3 DWPD BOSS-S2 controller card + with 2 M.2 480GB (RAID 1) with Rear 4xBP Broadcom 57414 Dual Port 10/25GbE SFP28, OCP NIC 3.0 ReadyRails Sliding Rails With Cable Management Arm Dual, Hot-Plug,Power Supply Fault Tolerant Redundant (1+1), 1400W, Mixed Mode 2 x Jumper Cord - C13/C14, 2M, 250V, 12A (Guam, North Marianas, Philippines, Samoa) ProSupport VSAN Hybrid Standard-ACDTS, 36 Month(s) VMware Hypervisor license and subscription VSAN Standard license and subscription VM Replication software license and subscription SERVER SWITCH: 2 units EMC Switch S4112F, 12 x 10GbE SFP+, 3 x 100GbE QSFP28, FAN to IO, 2 x AC PSU, each	COMMISSION OU AUTITION TEAM PECEI DATE 2/2 TIME BY:	1
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Tel. TIN Gentleme Please furnish this office the following articles subject to the terms and conditions contained herein: Please of Delivery: PGSC-Warehouse Date of Delivery: 150 calondar days Date of Delivery: 150 calondar days Date of Delivery: 150 calondar days Description With Stock No. Unit of Issue With 2 x Networking, Transceiver, SFP, 100BASE-T 2 x Networking, Transceiver, SFP+, 10GbE, SR, 850nm Wavelength, 30mm Reach Info Mod - Factory Pass Through Process Networking Gable, 10GbE, QSFP22 to QSFP22, Passive Copper Twinax Direct Attach, 0.5 Meter 3 x Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach Cable, Meter 2 x Networking Cable, LC to LC Fiber Cable, Meter 2 x Networking Dual Tray, one Rack Unit, 4- poat rack only, S4112 2 x Jumper Cord - C13/C14, 2M, 250V, 10A (EU, TW, APCC countries except Alz) EMC Networking S4112-ON APJC User Guide OS10 Enterprise, S4112F Force10 Promotion 3 Year ProSupport Next Business Day Onsite Service-VNP,KPH,BN,SL,BD S4112F No Installation Services Selected Total Amount in Words: Eighteen Million Four Hundred Eighty Thousand Pesos Only In case of failure to make the full delivery within the time specified above, a penalty of one tenth (1/10) of one (1) percent for every day of delay shall be imposed. Conform Opin August 1000 Very truly DOROTHY August 1000 Signature of ver printer mane of Opin Case of Negotiated Purchase pursuant to section 365(8) of RA7480, this portion must be Aptroved per Sanggunian Resolution	SMD	NDC 8 T	-cunoi o	Agency/Procuring Entity		Page
Please furnish this office the following articles subject to the terms and conditions contained herein: Place of Delivery: PGSC-Warehouse Delivery Date of Delivery: 150 calendar days No. Stock No. Unit of Stock No. No. Stock No.		Date 12/29/23 Mode of Procurement	РВ			
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2 x Networking, Transceiver, SFP, 100BE, SR, 850m Wavelength, 300m Reach Info Mod - Factory Pass Through Process Networking Cable, 1000BA, 95FP28 to QSFP28 to QSFP28 to QSFP28 to QSFP28 to QSFP28 to QSFP28 to Assert Sevential Cable, 2 Meter 3 x Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Direct Attach, 0.5 Meter 3 x Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach, 0.5 Meter 2 x Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach Cable, 2 Meter 2 x Networking, Cable, SFP+ to SFP+, 10GbE, Passive Copper Twinax Direct Attach Cable, 2 Meter 2 x Networking, S41127 Cable, 2 x Jumper Cord - C13/C14, 2M, 250V, 10A (EU, TW, APCC countries except ANZ) EMC Networking S41127 EMC Networking S41127 Day Dord Travel Office OS10 Enterprise, S4112F Force10 Promotion 3 Year ProSupport OS10 Enterprise Software Support-Maintenance 3 Yr ProSupport Dos10 Enterprise Software Support-Next Business Day Onsite Service-VN,PK,PH,BN,SL,BD S4112F No Installation Services Selected Total Amount in Words: Services Selected Services Selected Total Amount in Words: Services Selected Services Selected Total Amount in Words: Services Selected Services Selected	NO.		Quantity		Unit Cost	Amount
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Date 26 JAN 2024 SMD

Province of Davao de Oro Agency/Procuring Entity

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No. Stock No.		Quantity	Description	Unit Cost	Amount
	Issue		hundred Fifty (150) calendar days for the installation, Configuration, Testing, Commissioning and Administrative User Training. II. APPROVED BUDGET FOR THE CONTRACT (ABC) 1. The Fund for this engagement shall be sourced from the General Appropriations Act (GAA) for the fiscal year 2023 of PICTO. 2. The ABC for the project is Eighteen Million Four Hundred Ninety Nine Thousand Seven Hundred Ninety Five Pesos (PhP18,499,795.00) inclusive of all government taxes and other fees and charges. III. MODE OF PROCUREMENT The procurement of the Davao De Oro Data Center shall be undertaken through Competitive Bidding pursuant to RA No. 9184 and its 2016 Revised IRR. IV. CONDITIONS ON THE DELIVERY AND INSTALLATION This project is aligned with the implementation of the Davao De Oro Data Center of the Provincial Information And Communication Technology FY Q2 2023. The Contractor of this Project shall be willing to provide flexibility on the schedule of delivery and installation of data center	COMMISSION ON AUG TEXT DATE DAY TIME: BY:	ET HAVAG DE ORO
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No. Stock No.	Unit of Issue	Quantity	Description	Unit Cost	Amount
Total Amount	a Wasala		equipment and the provision of software & hardware, electronics, mechanical, electrical, and other services pertaining hereof based on the Data Center Project. The installation of data center equipment is to be accomplished in the 3rd Floor Executive Building, Capitol Complex, Cabidianan, Nabunturan, Davao De Oro. V. TECHNICAL SPECIFICATIONS The solutions should have the following specifications and capabilities: 1. Integrated Data Center Facility 1.1 General Requirements 1.1.1 The solution should be an integrated data center facility with UPS, precision cooling, rack system, and monitoring system 1.1.2 The system shall support up to 10kW IT capacity 1.1.3 The rack system shall be with hot and cold containment 1.1.4 The backup power should have redundancy, 2N redundancy 1.1.5 The cooling system shall be PACU-based; at least two units 1.1.6 Shall have an integrated monitoring system with tablet to view status of the integrated systems 1.2 Rack System 1.2.1 Shall have at least two (2) IT racks: 1 network and 1 server rack 1.2.2 Another rack to house the UPS,	COMMISION ON AUD TEACH TEACH TIME: TIME:	VED
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Total Amount	in Words		power distribution, cooling and monitoring system 1.2.3 With dual metered 32A PDUs per IT rack; with C13 and C19 1.2.3.1 accurately and effectively monitors the real-time status changes of the current, voltage, power, and electric energy of electrical devices in the data center 1.2.4 Intelligent door locks 1.3 Backup Power 1.3.1 At least two units 10kVA online UPS 1.3.2 1 (unity) output power factor rating 1.3.3 96% system efficiency 1.3.4 Backup runtime should be at least 10 minutes 1.3.5 Rack-mounted 1.3.6 Redundant configuration 1.3.7 Manual bypass capable 1.4 Precision Cooling 1.4.1 At least two (2) units with 12.5 kW cooling capacity 1.4.2 Air volume capacity per unit 2600 m3/hour 1.4.3 ROHS, CE certified 1.5 Monitoring System 1.5.1 manages the real-time status, alarms, and configuration information about the devices inside the integrated data center 1.5.2 retrieve historical data 1.5.3 must have the following monitoring capabilities:	DATE 2,	VED
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PURCHASE ORDER

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Page 15

PO Number: 23121561 Supplier: TRENDS & TECHNOLOGIES, INC. Address: DOOR 3A ATV PLAZA GOV. DUTERTE STREET, Date 12/29/23 E-mail Mode of Procurement PB Tel. TIN PR No: 23-3984 Gentleme Please furnish this office the following articles subject to the terms and conditions contained herein: Place of Delivery: PGSO-Warehouse Delivery Date of Delivery: 150 calendar days Payment Stock No. Unit of Description Unit Cost Quantity Amount No. Issue Tablet-based human-1.5.3.1 machine interface Temperature and 1.5.3.2 humidity sensor 1.5.3.3 Smoke sensor 1,5,3,4 Flood/water leak sensor 1.5.3.5 Email and SMS alarm Power distribution 1.5.3.6 monitoring Cabinet door access 1.5.3.7 activity records Hyperconverged Server Infrastructure 2.1 General Requirement 2.1.1 At least 3-node HCI cluster 2.1.2 Can tolerate 1 node failure or 1 disk failure in a node must include in the software 2.1.3 bundle with 1 instance license of standard virtualization manager COMMISSION (4) AUS IT LAVEO DE ORO software' for the data center to enable advanced high availability features, e. g., live migration, high availability, fault DATE tolerance, etc. THME 2.2 **HCI Node** Should have at least: 1 x Intel® Xeon® Silver 4314 2.4 G, 16C/32T, 10.4GT/s, 24M Cache, Turbo, HT (135W) DDR4-2666 256 GB memory; preferable 8 x **32 GB DDR4** 2.2.3 3 x 4TB NLSAS ISE 12Gbps 7.2K 512n Hard Drive 2.2.4 1 x 1.6TB SSD SAS ISE Mix Use Total Amount in Words: 18,480,000.00 Eighteen Million Four Hundred Eighty Thousand Pesos Only In case of failure to make the full delivery within the time specified above, a penalty of one tenth (1/10) of one (1) percent for every day of delay shall be imposed. GANTE MENDIGO Conform Very truly Signature over printed name of DOROT Authorized Official Date GENERAL OBR No.: 2182 - 12- 27- 105 CONTROL NO. Responsibility Center: Signal Amount: 18,480,000.00 (In case of Negotiated Purchase pursuant to section 369(a) of RA 7180, this portion must be Aprroved per Sanggunian Resolution Certified Date

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		5.1.4.4 at least one (1) project management professional 5.1.5 An office in Davao Region to provide immediate onsite support if needed; and 5.1.6 Maintains a 24 x 7 helpdesk facility to attend support requests with 30 minutes to 1 hour response time. Can be reached through the following channels: email, SMS, mobile and landline VI. WARRANTY AND MAINTENANCE 1. Twelve (12) months warranty upon installation for all equipment installed. 2. Cabling Works / System Components must adhere to the ten (10) years industry standards compliance product warranty. 3. Workmanship maintenance contract for twelve (12) months with no additional cost. 4. With parts and next business day onsite service support for all equipment during the whole duration of the warranty. 5. Technical end-user training for the PICTO personnel. 6. After-sales support services.	/ 18	EIVED
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