



UNIVERSITY OF SCIENCE AND TECHNOLOGY OF SOUTHERN PHILIPPINES
Alubijid | Balubal | Cagayan de Oro | Claveria | Jasaan | Oroquieta | Panaon | Villanueva

OFFICE OF THE BIDS AND AWARDS COMMITTEE IV

BID FORM

NAME OF THE PROJECT : **PROPOSED PROCUREMENT OF THE SUPPLY AND DELIVERY FOR AIRACK: AI-DRIVEN HYBRID-POWERED SMART DATA CABINET WITH INTELLIGENT THERMAL AND POWER MANAGEMENT FOR SUSTAINABLE IT OPERATIONS FOR USTP-CDO CAMPUS CY 2026**

APPROVED BUDGET OF CONTRACT : **THREE MILLION FOUR HUNDRED NINETY THOUSAND TWO HUNDRED TWENTY-FOUR PESOS AND 00/100 (P3,490,224.00)**

BRIEF DESCRIPTION : **SUPPLY AND DELIVERY FOR AIRACK: AI-DRIVEN HYBRID-POWERED SMART DATA CABINET WITH INTELLIGENT THERMAL AND POWER MANAGEMENT FOR SUSTAINABLE IT OPERATIONS FOR USTP-CDO CAMPUS CY 2026**

SOURCE OF FUND : **EFP (DOST-PCIIERD) CY 2026**

ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
1	EMBEDDED SECURITY, INTERFACE AND MONITORING MODULE - Integrated monitoring and security system with 10-inch industrial HMI, environmental sensors, access control (RFID and facial recognition), 1080p IP camera with 128 GB storage, alarm system, and ≥1 kVA UPS, providing real-time monitoring, data acquisition, secure access, and supervisory control via Modbus and TCP/IP communication interfaces.	1.00	unit	652,024.00	P	P
2	INTEGRATED PRECISION COOLING AND THERMAL MANAGEMENT SYSTEM - Hybrid precision cooling system with minimum 1.3 TR capacity utilizing DX refrigeration (R410A), liquid cooling loop, and PCM thermal storage (~50 kg). Includes radiator-based heat rejection, IoT-controlled exhaust, and instrumentation, capable of maintaining ≤27°C cabinet temperature under 3 kW IT load with adaptive, energy-efficient thermal control.	1.00	unit	736,200.00	P	P
3	INTELLIGENT POWER AND HYBRID ENERGY SYSTEM - Intelligent hybrid power system with minimum 12 kW inverter capacity, integrated MPPT supporting ≥12 kWp solar PV, and 48 VDC 100 Ah LiFePO4 battery storage. Includes complete protection, grounding, distribution, and metering, capable of continuous operation with hybrid solar, grid, and battery supply and monitored energy management.	1.00	unit	930,000.00	P	P

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ITEM NO.	DESCRIPTION/SPECIFICATIONS	QTY	UNIT	USTP APPROVED UNIT PRICE	UNIT PRICE	AMOUNT
4	SERVER RACK WITH INTEGRATABLE AI-ENABLED MICROCONTROLLER SWITCHES - 19-inch rack-mounted AI-enabled smart cabinet system, minimum 42U galvanized steel enclosure (≥1000 mm depth), with integrated mounting, thermal insulation, rack PDU, KVM console, 10-inch HMI, access control, surveillance, AI controllers (≥20 TOPS each), microcontrollers, rack server, networking devices, and centralized AI-based monitoring, control, and data logging system.	1.00	unit	1,172,000.00	P	P
TOTAL						P

Total Bid Price in Figure: _____
 Total Bid Price in Words: _____
 Name and Signature of Bidder: _____

All bid proposals must be sealed in envelopes properly labeled and submitted to this University on or before the deadline of submission of bids, **JULY 27, 2026, 09:30 A.M. (MONDAY)** at the Conference Room, Procurement Services Section, 2nd Floor DRER Gymnasium, USTP-CDO Campus, C.M. Recto Avenue, Lapasan, Cagayan de Oro City.

The University of Science and Technology of Southern Philippines – Cagayan de Oro (USTP-CDO) Campus assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of the bid. The USTP-CDO Campus neither assumes any obligation for whatsoever losses that the bidders may incur in the preparation on their bids nor guarantee that an award will be made.


ENGR. ALEX L. MAUREAL
 BAC IV Chairperson