NOTICE OF AWARD

November 29, 2021

The Manager
G AND E ENGINEERING SERVICES
Tacloban City

Dear **Sir/Madam:**

This is to notify you that your Bid for the **Upgrading and Commissioning of DBM Regional Office VIII Internet Protocol (IP)-Based Closed Circuit Television (CCTV) System** for the contract Price of **Nine Hundred Thirty Five Thousand Nine Hundred Ninety Five Pesos (₱935,995.00)** Only is hereby accepted.
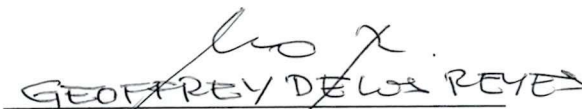
Please refer to the attached signed quotation for the details of the specifications. May we remind likewise that processing of payment is subject to compliance with the required documentary requirements provided in the procurement terms and conditions of the Request for Quotation.

For information and guidance.

Very truly yours,

IMELDA C. LACERAS, CESO III
Regional Director

Conforme:

GEOFFREY DELA REYES
(Signature over Printed Name)
Manager / Authorized Representative
G AND E ENGINEERING SERVICES
Date of Receipt: Dec. 04, 2021

PURCHASE ORDER
Department of Budget and Management
Regional Office VIII
Villa Ruiz, Bgy 77, Marasbaras, Tacloban City
Tel. No. (053) 523-7456, 523-1162, 321-2327 & Fax No. (053) 325 - 7848

Supplier	**G&E Engineering Services**	P.O. No. : 2021-12-001
Address	Tacloban City	Date : December 1, 2021
TIN :		Mode of Procurement : NP-SVP

Gentlemen:

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

Place of Delivery	DBM RO VIII, Marasbaras, Tacloban City	Delivery Term :
Date of Delivery :	See note below.	Payment Term : LDDAP-ADA

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
	lot	**UPGRADING AND COMMISSIONING OF DBM REGIONAL OFFICE VIII INTERNET PROTOCOL (IP)-BASED CLOSED CIRCUIT TELEVISION (CCTV) SYSTEM** *Scope of Work:* - Wiring Layout, Equipment Setup, Installation/Integration of 17 new cameras and 15 existing cameras, 1 NVR, Data Cabinet, and commissioning (including the transfer of necessary components from the office of the Director to Server Room except monitor) (See attached layout) - The cabling system shall be well-structured that it should not clutter on the floor or in the ceiling and must be kept in place through PVC pipes, molding, and/or etc. whichever is applicable. Network and Data Cabinet must be structured using Patch panel and Patch cables (1 foot). Proper Cable Management be followed according to standard practice. - Endpoints or Network drop in the Camera end must be terminated using Keystone RJ45 jack and must be connected using patch cables. - All network drops/patch panel ports must be properly labeled and Patch Panel Matrix must be prepared and included in the Technical Reports. - Network cables must be terminated using TIA/EIA 568A or 568B Standard. - For security purposes, assign dedicated VLAN for CCTV devices (Camera and NVR) and uplink between switches must be on different VLAN. All unused ports must be disabled. - Removal of old and unused CCTV components (wirings, old NVR, cable moldings, and other components which will not be part of the upgraded CCTV System) - Replacement of the damaged HDMI Cable for the CCTV Monitor in the Main Entrance. - Configuration of CCTV for remote access. - Submission of Technical Report/as-built plan. This includes Network layout/Single Line Diagram, IP address/Subnet Mask tables, NVR, IP Camera and switch configuration Configurations (includes user credentials and access list) and Patch Matrix. - Provide training to end-users for two days (Saturday only). *Materials and Labor:*	1	935,995.00	935,995.00

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		1 pc. Network Video Recorder (NVR)			
		- At least 64 channel IPC input or higher			
		- H Smart H.265+/H.265/Smart H.264+/H.264/MPEG4/ MJPEG codec decoding			
		- supports 384Mbps or higher access, storage or forwarding bandwidth			
		- Up to 12MP resolution preview & playback			
		- 2HDMI/2VGA simultaneous video output			
		- 1/4/8/9/16/25/36/64 channel synchronous real time playback, GRID interface			
		- 1/4/8/9/16/25/36/64 CH Multi Screen Display			
		- Supports Multi-brand network cameras:			
		- ONVIF Version 2.4, SDK, CGI conformance			
		- 3D intelligent positioning with PTZ camera.			
		- Support 16 SATA III HDDs @ 8 Terabytes each HDD			
		- Multiple network monitoring: Web, Desktop and Mobile Application.			
		- Intel Processor			
		- Supports RAID 0/1/5/6/10			
		- Remote configuration and management of IPCs, such as setting parameters, acquiring information and upgrading IPCs of the same model in batches			
		- AI-by-camera functions such as perimeter protection, face detection and recognition, SMD Plus, video metadata, ANPR and 3D behavior analysis N+M cluster. When the host fails, the standby device will continue to record; once the host recovers, video recorded on the standby device will be transmitted back			
		16 pcs. Surveillance Hard Drive			
		- 8 Terabyte			
		- Engineered for Video Surveillance Recording Applications			
		- Optimized for 24 x 7 operation			
		13 pcs. High-Definition Network Infrared Dome Type Indoor Camera			
		- 1/2.5" 8Megapixel progressive scan STARVISTM CMOS			
		- H.265&H.264 triple-stream encoding			
		- 15fps@4K(3840×2160),25/30fps@3M(2304×1296)			
		- Smart Detection supported			
		- WDR(120dB), Day/Night(ICR), 3DNR,AWB,AGC,BLC			
		- Multiple network monitoring: Web viewer CMS(DSS/PSS) & DMSS			
		- 2.8mm fixed lens (4mm optional)			
		- 1/1 Alarm in/out, 1/1 audio in/out			
		- Max. IR LEDs Length 30m			
		- Micro SD memory, IP67, IK10, PoE			
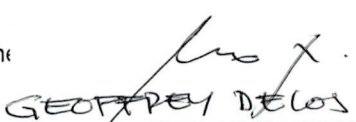
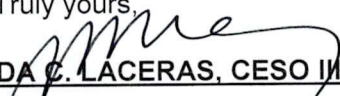| Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		4 pcs. High-Definition Network Full Color Bullet Type Outdoor Camera - 1/1.8" 4Megapixel or higher progressive scan CMOS - ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments - 25/30 fps@2688 × 1520, 50/60 fps@1080P (1920 × 1080) - Wide Dynamic Range (140 dB), Day/Night (Electronic), 3D DNR, AWB, AGC, BLC - Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS - 2.8 mm fixed lens (3.6 mm, 6.0 mm optional) - 1/1 Alarm in/out, 1/1 audio in/out - Max. LEDs Length 20 m - Micro SD memory, IP67,IK10 **2 pcs. 24 Port Gigabit PoE or ePoE Switch** - Managed - 24 ports Giga-ethernet Ports - 2/4 ports – SFP/SFP+ - Switching Capacity: 56Gbps - Packet Forwarding Rate: 41.66 Mbps - PoE Standard: PoE (802.3af) / PoE (802.3at) - Vlan Supported - Rack Mounted **1 pc. High-Definition Light Emitting Diode (LED) Monitor 40" with High-Definition Multimedia Interface (HDMI) Input** **1 pc. Automatic Voltage Regulator 3KVA Servo Type with Time Delay** **1 pc. UPS 1500VA Tower Type** - Output Power Capacity: 1.0kW/1.5kVA - Output Connection: (2) IEC Jumpers (Battery Backup) - (8) IEC 320 C13 (Battery Backup) - Nominal Voltage Output: 230V - Nominal Voltage Input: 230V - Input Connections: IEC 320 C14 - Provides temporary battery power when the utility power is out. - Auto re-starts when AC recovers - Silence setup ~ Automatic charging (offline charging) - Battery low voltage protection - Overload & short circuit protection **2 pcs. High-Definition Multimedia Interface (HDMI) Extender by CAT5/6 with Power Adaptor** **2 pcs. High-Definition Multimedia Interface (HDMI) Cable 3M** **2 pcs. HDMI Cable 1.5M** **45 pcs. RJ45 Connector** **2 pcs. AC Plastic Plug**			

Stock/ Proper ty No.	Unit	Description	Quantity	Unit Cost	Amount
		2 pcs. Convenience Outlet 3 gang surface type			
		4 pcs. Unshielded-Twisted-Pair (UTP) Cat 6E Cable Class A (300m/roll)			
		1 pc 24-Port Patch Panel			
		32 pcs keystone Jack RJ45			
		15 pcs RJ45 Coupler			
		64 pcs UTP Patch cable (Cat6) Color: Gray, White or Blue			
		1 pc Power Distribution Unit (PDU) rack mounted with 10 outlets 20/30A			
		1 pc. PDX 14/2 (75m/roll)			
		60 pcs. PVC Pipe ½" Thickwall			
		30 pcs. PVC Short Elbow ½"			
		20 pcs. PVC Pipe Connector ½"			
		2 packs PVC Clip ½" (100 pcs/pack)			
		20 pcs. PVC Pipe ¾" Thickwall			
		20 pcs. PVC Short Elbow ¾"			
		1 pack PVC Clip ¾" (100 pcs/pack)			
		5 pcs. PVC Square Box 4 11/16" x 4 11/16" IP67			
		1 pc. Metal Pull Box 6" x 8" x 8"			
		2 packs Cable Tie 12" (100 pcs/pack)			
		4 pcs. PVC Moulding 2" x 8 feet			
		3 pcs. No More Nails Adhesive 100g			
		4 pcs. Good Lumber S4S 2" x 2" x 12'			
		1 pc. Marine Plywood ½" x 4' x 8'			
		1 pc. Quick Dry Enamel (gallon)			
		1 pc. Lacquer Thinner (gallon)			
		1 pc. Paint Brush 1-1/2"			

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		1 pc. Data Cabinet - Height 600mm (12U) - Width 550mm - Depth 400mm - Column Thickness 1.2mm - Iron Sheet Thickness 0.6mm - Number of Doors (Two – Front and Back) - Fan – 1 - Casters - PDU with 10 outlets 20A **Service Fee – Wiring Layout, Equipment Setup, Installation/Integration of 17 new cameras and 15 existing cameras, 1 NVR, Data Cabinets, and Commissioning** (See attached layout) **Replacement of the damaged HDMI Cable for the CCTV Monitor in the Main Entrance** **Materials:** **1 pc. High-Definition Multimedia Interface (HDMI) Cable 30M** - Version 1.3 and Full 1080P Resolution Supported. - Supports 480i—1080p resolution. - Supports standard, enhanced, or high-definition video, plus multi-channel digital audio. - Supports True HD & DTS-HD. - Large gauge PVC jacket provides maximum shielding against wear, tear and extreme temperatures. - Provides an interface between any HDMI-enabled audio/video source, such as a set-top box, DVD player, and A/V receiver and an audio and/or video monitor or projector. - Gold plated, easy to connect and plug-and-play. - Compatible with All HDMI Devices. - Easier to Install, the best Connection for all Brands. **1 pc. High-Definition Multimedia Interface (HDMI) Signal Splitter 1 input x 2 output** **Labor / Removal of old HDMI cable and installation of new HDMI cable** **OTHER TERMS AND CONDITIONS:** **Site inspection before quotation:** (Schedule of Inspection: From November 8 - 10, 2021 excluding weekends and holidays from 9am to 10am or 4pm to 5pm only). **Note:** Suppliers are encouraged to conduct site inspection before the scheduled pre-bid conference. **Delivery Period:** Ninety (90) calendar days from the receipt of PO and NOA.			

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Warranty on Service and Parts: One (1) Year from Date of Installation			
		A warranty security shall be covered by either retention money in an amount equivalent to at least three percent (3%), or a special bank guarantee equivalent to at least three percent (3%) of the total contract price. The said amount shall only be released after the lapse of the warranty period.			
		Service Center: Availability of accredited service within Tacloban City			
		Inspection and Tests:			
		DBM RO8 Inspection Committee shall at all reasonable times during the installation and commissioning of the project be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of the said project.			
		TOTAL		935,995.00	935,995.00

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.

　　　We reserve the right to return the above items in case of defects and if found not in accordance with the agreed specifications.

Very Truly yours,

IMELDA C. LACERAS, CESO II
Regional Director

Conforme

GEOFFREY DELOS REYES
(Signature over printed name)

Dec. 04, 2021
Date

Fund Cluster : _____
Funds Available : _____
MARIA RINA P. YGAÑA
Accountant III   12/1/2021

ORS/BURS No. : _____
Date of the ORS/BURS:_____
Amount : _____