

# CONTRACT AGREEMENT

NO.: 2020-592

FOR

## ***COMMUNICATION AND SECURITY SYSTEM OF TASIER 117***

KNOW ALL MEN BY THESE PRESENTS:

This CONTRACT made by and between the Provincial Government of Bohol (Government, represented by the Governor, **ATTY. ARTHUR C. YAP** hereinafter called the "Owner"), as the PARTY OF THE FIRST PART and **TWIS TRADING**, represented by proprietor **MRS. MARINA A. SALCEDO** (hereinafter called the "Supplier") as the PARTY OF THE SECOND PART,

WITNESSETH

WHEREAS, the Owner is desirous that **PROCUREMENT OF COMMUNICATION AND SECURITY SYSTEM OF TASIER 117** belonging to the Provincial Government of Bohol (hereinafter called the "Project") be procured for the Enhancement of **Communication and Security System of Tasier 117**.

WHEREAS, the Owner has accepted the bid of the Supplier for the execution of the above mentioned project in the amount of *Sixty Eight Million Seven Hundred Fourteen Thousand Five Hundred Pesos Only*, (**₱ 68,714,500.00**).

WHEREAS, Project shall be completed in **240 Calendar Days** in accordance with the provisions of the Bid Documents;

NOW, THEREFORE, the Parties hereto further agree on the following:

1. The following documents shall be deemed to form parts of this contract, viz:
  - a. Contract Agreement;
  - b. Bidding Documents;
  - c. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents/statements submitted;
  - d. Performance Security;
  - e. Credit line in accordance with the provisions of this IRR, if applicable;
  - f. Notice of Award of Contract;
  - g. Other contract documents that may be required by existing laws and/or the procuring entity concerned in the Bidding Documents, such as man power schedule, equipment utilization and health program;
  - h. Other pertinent documents as may be reasonably required by the Province.
2. Project Equipment specified/needed should be stationed at the project sites until completion of all work operations. The deliberate act of removing the equipment from designated project sites is not permissible.
3. The Provincial Disaster Risk Reduction and Management Office together with BICTU Officials or other concerned offices should convene with suppliers or their authorize representatives for a regular Monthly Coordination at 9:00 in the morning at the Provincial Disaster Risk Reduction and Management Office, New Capitol Site, Tagbilaran City and;



4. The pertinent provision of R.A. 9184 and its Implementing Rules and Regulations, Part A, particularly but not limited to the implementation of the project as well as all applicable laws and regulations are deemed incorporated to and forming integral parts of this Contract.
5. In consideration of the payments to be made by the Owner to the Supplier, as earlier mentioned, the Supplier hereby covenants with the Owner to implement and complete the Project in conformity with the provisions of the Contract, the documents incorporated herein and the laws and regulations made integral parts hereof.
6. The Owner hereby covenants to pay advance payment to the Supplier of 15% of the total contract price upon approval of the Contract, issuance of Notice to Commence Work and the posting of irrevocable standby letter of credit of equivalent value. The Supplier hereby covenants to repay advance payment to the Owner by deducting 15% from his progress payment.

<b>COMMUNICATION AND SECURITY SYSTEM OF TASIER 117</b>					
<b>Item No.</b>	<b>QTY.</b>	<b>UNIT</b>	<b>Description of Supplies/Materials/Services</b>	<b>Unit Price</b>	<b>Amount</b>
				<b>(Pesos)</b>	<b>(Pesos)</b>
			<b>Command Center Video Wall System and Installation and Video Management System and Integration</b>		
1	1.0	Lot	Integrated Video Surveillance Management System with Proprietary Protocol for Video Decoding and Encoding with Software License IP Based Matrix System including Software Management Platform with IP Based Network Video Wall Controller and Decoding Equipment with built in H.265/H.264/MJPEG/MPEG2 Video decoding ultra-high decoding ability, up to 12Mp 2ch HDMI and 2ch DVI-I input, 9ch HDMI output Support 1/4/9/16 display split Support audio	550,000.00	550,000.00
			<b>Command Center Video Wall and Installation and Intergration</b>		
2	16.0	units	Video Matrix System LED/TV wall LED large screen 49" LCD screen monitor-super narrow bezel MaxInput Resolution 1920x1080@60Hz (RGB, HDMI/DVI-D, DP) Recommended Resolution 1920x1080@ 60Hz (RGB,HDMI/DVI-D, DP) Pixel Frequency 148.5 MHz (RGB, HDMI/DVI-D, DP) Power Type	150,000.00	2,400,000.00



			<b>Command Center Video Wall Cladding and Installation</b>		
3	1.0	Lot	Fabrication of Brackets and Mounting for LED TV for Split Screen Connecting plates for easy alignment, Simple hook-on display installation system Multiple points for pre and post installation display adjustments, Security fixing points for each display, 74.5mm (2.37") of space available at the back to accommodate media players	650,00.00	650,00.00
			<b>Command Center Video Wall System Cabling</b>		
4	1.0	Lot	Materials – Cables, HDMI Adapter, Connectors, Straps, Screws, Installation Materials Labor & Installation, Testing & Commissioning, Cable Pulling Termination, System Configuration, Cable, Connectors & Wires, Training, Other miscellaneous items Mobilization & Demobilization Civil Works: Conduiting, Chipping, Frame structure, Restorations, other hardware materials	145,000.00	145,00.00
			<b>Command Center War Room Setup</b>		
5	1.0	Lot	Conference / War Room Setup which includes: Conference Setup and Layout, 85 Inches Interactive TV with Built in Dual OS (Windows/ Android) Wireless Conference System Controller, Wireless Chairman Unit, built-in speaker , Wireless conference system Labor and Materials, Configuration and Setup includes Conduiting, Chipping, Frame structure,	2,100,00.00	2,100,00.00
			<b>Command Center Control and Monitoring System and Intergration</b>		
6	1.0	Lots	Command Center, CCTV System and Wireless Communication System Installation, Assembling, Labor Materials Configuration, Software Installation, Testing And Commissioning including transfer of equipment's to new building Client Pcs for CCTV Operators, Wireless Access Points and Wireless Backhaul Radios Frequency Planning and Channel Allocation Structure Cabling System for Command Center Includes - Training and Commissioning including the following: Interior Design of Command Center, Materials Needed for	1,550,000.00	1,550,000.00



			Command Center, Biometric Lock for Command Center, Server Cabinets 42u		
			<b>Community Mobilization Program</b>		
7	1.0	Lot	CMP (Community Mobilization Program System) including Software Managment Platform custom tailored to end user disperemptory request and needs	8,000,000.00	8,000,000.00
			<b>Community Mobilization Program - Host Hardware 1 for Primary Hosting</b>		
8	1.0	Lot	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W 16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM 300GB 10K 12Gbps SAS 2.5in G3HS HDD Broadcom NetXtreme I Quad Port GbE Adapter QLogic 8Gb FC Dual-port HBA System x 550W High Efficiency Platinum AC Power Supply 4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable Single Cable USB (UCO) Includes 10G Ethernet Card Dual Links, Backup Scripts Licenses Software, Data Linkage for Replication System, Load Balancing Scripts License	3,200,000.00	3,200,000.00
			<b>Community Mobilization Program - Host Hardware 2 for Secondary Backup</b>		
9	1.0	Lot	Intel Xeon Processor E5-2630 v3 8C 2.4GHz 20MB Cache 1866MHz 85W 16GB TruDDR4 Memory (2Rx4, 1.2V) PC4-17000 CL15 2133MHz LP RDIMM 300GB 10K 12Gbps SAS 2.5in G3HS HDD Broadcom NetXtreme I Quad Port GbE Adapter QLogic 8Gb FC Dual-port HBA System x 550W High Efficiency Platinum AC Power Supply 4.3m, 10A/100-250V, C13 to IEC 320-C14 Rack Power Cable Single Cable USB (UCO) Includes 10G Ethernet Card Dual Links, Backup Scripts Licenses Software, Data Linkage for Replication System, Load Balancing Scripts License.	3,200,000.00	3,200,000.00
			<b>Community Mobilization Program</b>		

10	1.0	Lot	SAN STORAGE Storwize V3700 2.5-inch Storage Controller Unit 600 GB 15,000 rpm 12 Gb SAS 2.5 Inch HDD 8Gb FC 4 Port Host Interface Card 8Gb FC SW SFP Transceivers (Pair) 5m Fiber Cable (LC)	1,800,000.00	1,800,000.00
			<b>Community Mobilization Program</b>		
11	1.0	Lot	Managed Aggregation Switch - 24 Port with 4 SFP 10G Ports Vmware vsphere with License Backup Software WinSvrSTDCore OLP 16Lic NL CoreLic Professional Services Unified Threat Management System with License and Configuration Scripts	3,200,000.00	3,200,000.00
			<b>Community Mobilization Program</b>		
12	1.0	Lot	Tape Autoloader Autoloader w/LT08 (ultrium) HH SAS, Rack Mount Kit, Ultrium 8 Data Cartridges 5-Pack, HD-SAS Cable to Mini-SAS Ultrium Cleaning Cartridge L1 UCC, N2225 SAS/SATA HBA	1,026,000.00	1,026,000.00
			<b>Community Mobilization Program</b>		
13	30.0	units	CLIENT PC CUSTOMIZED LAPTOP WITH LGU DESIGN OR LOGO Intel I7 2.0GHz up to 2.42Ghz Quad Core, 8G RAM, 1TB HDD with 128SSD Drive Default installation Windows 10, 15.6" LED 16:9 HD Screen; 1366*768 Support external Bluetooth, Built- in DVD-RW Integrated HD Graphics, American 99 key suspension keyboard 802.11 B/G/N WiFi, Integrated network connector 10/100M VGA*1, 1.3M pixel webcam, Stereo Speaker*2 Audio output Jack, Microphone, 4 in 1 Card Reader Aluminum Alloy Metal shell, Input: 100 ~ 240V 50/60Hz power adapter, Output: 19V, 2 cell li-battery 2-3 hours, 2.1kg(battery included)	55,000.00	1,650,000.00



			<b>Community Mobilization Program</b>		
14	1.0	Lot	System development, Configuration, Software Installation, Testing And Commissioning including transfer of knowledge Training and Commissioning including the following: setup for every client pc and linking of server and synchronization of all assigned satellite units	1,800,000.00	1,800,000.00
			<b>IP Cameras,Wireless Network and Wireless Base Station</b>		
15	150.0	Units	3MP WDR IR Bullet Starlight Network Camera 1/2.8" 3 Megapixel progressive scan H. 265/H.264 triple stream encoding 50/60fps @ 1080 (1920x1080) Smart Detection supported WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC 2.7mm-12mm motorized lens Max.IR LEDs Length 50m, IP67, PoE, Onvif Complaint	21,000.00	3,150,000.00
			<b>IP Cameras,Wireless Network and Wireless Base Station</b>		
16	50	units	2Megapixel PTZ IP camera 1080p HD, 1/3" CMOS, 30x optical zoom, 60fps@1080p, night vision, extreme low light sesitivity, 0.052 lux min day mode illumination/.0103 lux min. night mode illumination, 90dB WDR, H.264 & MJPEG Multistreaming, IP66 (outdoor) Weather Proof, Onvif Conformant, Power over Ethernet (PoE),	32,300.00	1,615,000.00
			<b>IP Cameras,Wireless Network and Wireless Base Station</b>		
17	6	Units	32 Channel 2U 4K&H.265 Lite Network Video Recorder - H.265/H.264 codec decoding Max 200Mbps Incoming Bandwidth Up to 8MP Resolution for Preview and Playback, HDMI/VGA simultaneous video output includes 2 units 6TB Hard Disk Drive	120,000.00	720,000.00
			<b>IP Cameras,Wireless Network and Wireless Base Station</b>		
18	150	Units	4 Port with 2 UP Link Industrial PoE Switch/Injector Two-layer PoE Ethernet switch MAC auto study and aging, MAC address list capacity is 1K, support IEEE802.3af, IEEE802.3at standard	7,500.00	1,125,000.00



			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
19	30.0	Units	Wireless Base Station 5Ghz Unlicensed Band Wireless Access Point 5Ghz 802.11AC-MIMO Radio with Semi Directional Sectoral Antenna, Equipped with GPS sync up to 450 Mbps Data Rate, 2x2 MIMO Radio 802.11AC, TDMA and OFDM Technology	114,200.00	3,426,000.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
20	40.0	units	Wireless Backhaul Radio – up 500Mbps Data rate MU-MIMO, 5Ghz Unlicensed Band, 5Ghz MU-MIMO Radio with 20dbi Wave Guided Dish Antenna Equipped with GPS up to 1.0Gbps Data Rate, 4X4:4 MIMO OFDM Technology	70,000.00	2,800,000.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
21	150	units	Station CPE/Backhaul Wireless Access Point with Built in Antenna Gain 5Ghz 802.11AC Standard w/ shield MIMO Radio with Shielded Dish Antenna, Equipped with Radio 802.11AC, up to 450Mbps and OFDM Technology.	20,000.00	3,000,000.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
22	1.0	Lot	Wireless AP Mast- 80 feet With Complete Gye Wires, Base Plate mounts including Lightning Arrester and Surge Protector	650,000.00	650,000.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
23	5.0	Units	24 Port Layer 2+ Managed Gigabit Aggregation Switch with 4slots 10 Gigabit SFP+ optical ports, 24 100/1000 Mbps network ports + 1 Console port Powerful Processing Capacity	14,500.00	72,500.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
24	10.0	Units	UPS (2KVA) with external battery Double-conversion technology provides 24/7 full-time protection. Automatic input frequency (50 or 60 Hz) Auto-detection, AC-start and battery-start capabilities.	47,500.00	475,000.00

			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
25	180	Units	Communications Box with built in Breaker Made from Pre-Galvanized sheet, ga#18, Epoxy Primer Coat with Epoxy Enamel Paint Light GRAY finished, hinged type single door, with padlock's strap, with mounting Brackets and U-Bolts - 3" or 2" dia. x M10, With mounting ventilation	8,000.00	1,440,000.00
			<b>IP Cameras, Wireless Network and Wireless Base Station</b>		
26	1.0	Lot	Installation , Configuration, Labor , Materials a. Configuration of CCTV- IP Camera b. Configuration of Access Point Antenna c. Assigning IP to IP Cameras and Access Points d. Frequency Planning and Channel Allocation Technical Configuration - Testing, Training, Programing of Equipment's in Command Center, Installation of IP Cameras, Brackets and Nema Boxes, Configuration, Aligning of Antennas and Assigning of IP Address. Installation of Controller Software	2,200,000.00	2,200,000.00
			<b>Dispatch Trucking System with Integrated Communication Platform</b>		
27	1.0	Lot	Digital Wireless Radio Communication Repeater System with Analog / Digital Autoswitch, IP Multi-site Connect and Dual Slot digital audio streaming with Dispatch - Trunking System, Voice Recording, License for Trunking System Tier1, GPS Maps License and Unification system (Incident reporting) With Digital Wireless Communication Digital Migration Radio with Dual-slot Pseudo Trunk, GPS Positioning with Support of Trunking System, -20 Units With Digital Wireless Communication Digital Migration Radio - Professional Digital Portable Radio using TDMA Technology, Dual-Slot Pseudo Trunk, GPS Positioning with Support of Trunking System (With LCD Screen), - 40 Units  With Digital Wireless Communication Digital Migration	12,000,000.00	12,000,000.00



			Radio - Professional Digital Portable Radio using TDMA Technology, Dual-Slot Pseudo Trunk, GPS Positioning with Support of Trunking System (Without LCD Screen) - 40 Units IPPBX with 2~5 analog Interfaces; Up to 200 extension register; Up to 200 concurrent calls with G.711 codec; Enterprise Based, With Application for Trunk Line, and Numbering Plan Mode - 1 Unit  IP Telephone System for Operator with 2 SIP accounts, HD voice, Support PoE, 4 Soft-keys, - 10 Units		
			<b>Dispatch Trunking System with Integrated Communication Platform</b>		
28	20.0	Units	Client / Operator PC - CCTV Operator Work Station- Complete Package with (monitor) Intel i7 Processor , 4GB RAM, 1TB HDD includes 24inches Monitor includes keyboard and mouse with 620VA UPS	48,500.00	970,000.00
			<b>Dispatch Trunking System with Integrated Communication Platform</b>		
29	1.0	Lot	Installation, Assembling, Configuration, Testing and Commissioning for the ff: Integrated Communication Platform Monitors to Mounting Brackets, DMR (Digital Mobile Radio) System and Equipment Wireless Access Points and Wireless Backhaul Radios Frequency Planning and Channel Allocation, Structure Cabling System for Command Center	1,800,000.00	1,800,000.00
			<b>Flood Monitoring System with Software</b>		
30	1.0	Lot	Flood Monitoring System Equipment Datalogger with ethernet port, OTT PLS Pressure Level Sensor, SDI 12 output to connect to data logger. Data logger enclosure - Low-power circuitry achieves long-life battery operation for rugged, unattended field operation in extreme environments. Dual communications support allowing combinations of supported communications devices. Secure, lockable, NEMA IV Waterproof.GPRS Modem, Outpost 5year Hosting Fees for stations, including sim card, sms	2,000,000.00	2,000,000.00

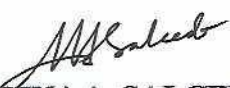


			alarms and web hosting Includes Power Software for Monitoring: Includes 60watts Solar Panel, 60AH Battery		
31			1 Year Warranty on Hardware		
			1 Year Free Support		
			End User Training		
			Manual/Documentaton of Configuration		
			<b>TOTAL</b>	<b>&gt;&gt;&gt;&gt;&gt;&gt;</b>	<b>P 68,714,500.00</b>
Sixty Eight Million Seven Hundred Fourteen Thousand Five Hundred Pesos Only					

7. Any controversy arising from this contract shall be resolved under the duly established alternative mode of settling disputes as provided by law. In case of resort to court action the parties agree that the venue thereof shall be in the proper court in the city of Tagbilaran to the exclusion of any other venues.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this \_\_\_\_ day of \_\_\_\_\_, 2020 in Tagbilaran City, Bohol, Philippines.

PROVINCIAL GOV'T OF BOHOL  
BY:

TWIS TRADING  
BY:  
  
  
**MRS. MARINA A. SALCEDO**  
 Proprietor


**ATTY. ARTHUR C. YAP**  
Governor

BY THE AUTHORITY OF THE GOVERNOR

  
**ATTY. KATHYRIN FE D. PIOQUINTO**  
 Provincial Administrator



WITNESSES:

  
**ANTHONY R. DAMALERIO, DM**  
End User

  
**NIÑO E. QUIMSON**  
IT-In Charge


ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPINES)  
PROVINCE OF BOHOL ) S.S.  
\_\_\_\_\_ )

Personally appeared before me, Atty. Arthur C. Yap representing the Provincial Government of Bohol with Employee ID No. 19141 and Mrs. Marina A. Salcedo with Community Tax Certificate No. 20202007, issued at CARUYAO, LAGUNA, on 11/2/2020, known to me to be the same persons who executed the foregoing instrument consisting of eleven (11) pages including this page upon which this acknowledgement is written, duly signed by the parties and their witnesses on each and every page thereof, and they acknowledged to me that the same is their free act and deed.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my notarial seal this 25th day of September, 2020 in Tagbilaran City, Bohol, Philippines.

Doc. No. \_\_\_\_\_  
Page No. \_\_\_\_\_  
Book No. \_\_\_\_\_  
Series of 2020 \_\_\_\_\_

  
**ATTY. LAWRENCE LOUIE G. UY**  
NOTARY PUBLIC UNTIL DECEMBER 31, 2020  
FOR TAGBILARAN CITY AND OTHER  
MUNICIPALITIES OF BOHOL; NCS NO. 3019-32  
IBP LIFETIME NO. 017052; PTR NO. 7805508, 12/16/19 (for 2020);  
BAGUIDO DRIVE, TALOTO,  
TAGBILARAN CITY, BOHOL  
TIN 338222455; ROLL OF ATTORNEYS NO. 67922  
MCLE COMPLIANCE NO. VI-0005737, issued on 02/23/2018