

Annex- 'A'
Tender no 23.27.0000.166.182.3255101.22.23 dt. 31-01--2023
NECESSARY DETAILS

Ser No	Nomenclature & Specificaation	Unit	Qty	Unit Price (In figure& word)	Total Price (In figure & word)	Rmks
(a)	(b)	(c)	(d)	(e)	(f)	(g)
	SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF CCTV CAMERA WITH MONITORING ACCESSORIES FOR BOF Specification:					
1.	<u>Outdoor Bullet Camera - Long Range IR (4MP)</u> a. Model: Hikvision DS-2CD1047G b. Effective Pixels: 4MP ColorVu c. Resolution: 2688 (H) x 1520 (V), 12 VDC d. IR Distance: Up to 40 M white light distance e. Image Sensor: 1/1.8" Progressive Scan CMOS f. Shutter Speed: 1/3 s to 1/100,000 s g. Wide Dynamic Range: 120dB h. Minimum Illumination: Color: 0.06Lux (F1.4, 50IRE) 0 Lux with IR on i. Warranty: 01-year warranty	Nos	40			
2.	<u>Indoor Dome Camera - Short Range IR (4MP)</u> a. Model: Hikvision DS-2CD1347G b. Effective Pixels: 4MP ColorVu c. Resolution: 2688 (H) x 1520 (V), 12 VDC d. IR Distance: Up to 40 M white light distance e. Image Sensor: 1/1.8" Progressive Scan CMOS f. Shutter Speed: 1/3 s to 1/100,000 s g. Wide Dynamic Range: 120dB i. Warranty: 01-year warranty	Nos	35			
3.	<u>PTZ Camera Long Range IR</u> a. Model: Hikvision DS-2AE4223TI-D b. Effective Pixels: 2MP CMOS Image Sensor c. Resolution: 1920 (H) x 1080 (V) d. IR Distance: Up to 150m e. Minimum Illumination: F1.4, AGC On: Colour: 0.05lux, B/W: 0.005lux f. Warranty: 01 year warranty	Nos	3			
4.	<u>UTP Cable Cat 6 (Gigabit Capacity)</u> a. Connector Type: 23 AWG (Solid) b. Category: 4-pair unshielded twisted pair (UTP) cable c. Conductor Meta: Bare Copper	Box	15			
5.	<u>64 Ch Smart NVR</u> a. Model: Hikvision DS-9664NI-I8 b. IP Video Input: 64-Ch c. Incoming Bandwidth: 384Mbps d. Recording Resolution: 12MP/8MP/6MP/5MP/4MP/3MP/1080p/960p/720p/D1/2CIF/CIF e. Capacity: up to 10TB for each HDD f. Support: 2-ch HDMI, 1-ch VGA, HDMI at up to 4K(3840x2160) resolution, H.265/H.264 video formats, RAID 0/1/5/6/10/50/60, 12V power output, mobile client access	Nos	2			

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6.	<p><u>8 TB Surveillance Grade HDD</u></p> <p>a.Interface: 6.0 Gbit/s b.Number Of Cameras Supported: Up to 64 c.Drive bays Supported: 1 to 8 d.Rotational Speed: 5400 rpm e.Buffer Size & Workloads: 256 MB, 180TB/year. f.Limited Warranty: 3 years.</p>	Nos	8			
7.	<p><u>PTZ Controller</u></p> <p>a.Model: Hikvision DS-1600KI b. Network Interface: 10M/100M/1000M adaptive ethernet port c.Audio Interface: Input- 1ch, 3.5 mm connector (2.0 Vp-p, >1 KΩ), Output- 1ch, 3.5 mm connector (2.0 Vp-p, 600 Ω) d.Video Interface: HDMI, DVI e.Dimension (W x H x D): 404 mm x 163 mm x 180 mm (15.91" x 6.42" x 7.09") f.Power Supply: 12 VDC/PoE g.Screen: 10.1" TFT LCD touchscreen, h.Resolution: 1280 x 800 i.Joystick: 4-axis joystick</p>	Nos	1			
8.	<p><u>10 G Uplink Manageable Router (Mikrotik)</u></p> <p>a. Model: Mikrotik CCR2004-16G-2S+ b. Architecture: ARM 64bit c.CPU: AL32400, 4 Core count, 1700 MHz nominal frequency. d.Dimensions: 443 x 210 x 44 mm e.Size of RAM: 4GB f.Storage size: 128 MB, NAND g.Operating System: Router OS (v7 only) h.Serial Console Port: RJ45 i.SFP+ ports: 2 j.Cooling type: 2 fans k.Ethernet ports: 16</p>	Nos	1			
9.	<p><u>24 Port Manageable Switch</u></p> <p>a.Model: Cisco CBS350-24T-4G b.Interface: 28 x 10/100/1000 Mb/s Gigabit Ethernet (RJ45), 4 x 10/100/1000 Mb/s Gigabit SFP, 1 x Micro-USB c.Network Standards: 802.1ab, 802.1d, 802.1q/p, 802.1s, 802.1w, 802.1x, 802.3, 802.3ab, 802.3ad, 802.3an, 802.3az, 802.3u, 802.3x, 802.3z d.Dimension: 445 x 240 x 44mm e.Switching Capacity: 56 Gb/s f.Forwarding Rate: 95.23 Mpps g.Form Factor: Rackmount h.Manageability: Managed i.Memory: 512MB j.Warranty: 02 year warranty</p>	Nos	1			

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10.	<u>SFP Module 10 G Dual Mode</u> Features: Dual data rate of 1.25Gbps/1.063 Gbps operation, 1550nm DFB laser and PIN photodetector for 20km transmission compliant with SFP MSA and SFF-8472 with duplex LC receptacle, Digital Diagnostic Monitoring.	Nos	1			
11.	<u>42U Rack for all Appliances Mounting</u> a.Model: 42U Rack b.Size: 600mm/1000mm c.Raw Material: SPCC d.Structure: Assembled frame structure e.Door Option: Glass front door, Perforated Rear Door f.Color: Black g.Features: Front Dark Blue glass door back mesh door,1xfixed tray+1x slid tray, w/Push lock, and key, removable side Panel, 40 cage nuts.4 fans,1x PDU (UNIVERSAL 6PORT) +4 Castors, thickness 1.2 mm.	Nos	1			
12.	<u>Cable Manager</u> a.Model: 1U Wire Manager b.Material: Steel Material	Nos	2			
13.	<u>8 Port Gpon OLT</u> a. PON Transmission: Uplink 1.25Gbps/ downlink 2.5Gbps b.Capacity: GP3600 series supports a maximum of 16 GPON Ports c.Ratio: Up to 1:128	Nos	1			
14.	<u>GPON MODULE C++</u> Features: Optical Module 2.5G/1.25G 8dBm 20KM TX1490nm/RX1310nm gpon OLT ONT sfp (3Year Warrantee) Compatible Syrotech, DBC, Netlink and More (C+++ 8dbm)	Nos	8			
15.	<u>Optical Fiber Splitter 1:2 (for OLT to ONU)</u> a.Model: 1:2 Splitter b. Features: Low Insertion Loss, Low PDL, High Return Loss, Uniform Power Splitting, Wide Operating Wavelength, Wide Operating Temperature, Good Environmental Stability, High consistency. c.Applications: FTTX Systems, LAN, WAN and metro networks, Analog/Digital passive optical networks, CATV networks, other applications in fiber optic systems	Nos	10			
16.	<u>Optical Fiber Splitter 1:4 (for OLT to ONU)</u> a. Model: 1 x4 Splitter b. Features: Low insertion loss and low PDL, High channel counts, Exceptional reliability and stability, Wide operating wavelength c.Applications: FTTX Systems, LAN, WAN and metro networks, Analog/ Digital passive optical networks, CATV networks, other applications in fiber optic systems	Nos	10			

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17.	<u>Optical Fiber Splitter 1:8 (for OLT to ONU)</u> a. Model: 1 x8 Splitter b. Applications: FTTX Systems, LAN, WAN and metro networks, Analog/Digital passive optical networks, CATV networks, other applications in fiber optic systems c. Fiber Grade: G.657A1, Fiber Mode: Singlemode, Connector Type: SC/APC, Split Ratio: 50/50, Input/Output Fiber Diameter	Nos	10			
18.	<u>Optical Fiber Splitter 1:16 (for OLT to ONU)</u> a. Model: 1 x16 Splitter b. Applications: FTTX Systems, LAN, WAN and metro networks, Analog/Digital passive optical networks, CATV networks, other applications in fiber optic systems c. Features: Simple structure, easy processing, Spectral good uniformity, especially for passive optical network, Operating wavelength (nm) 1260-1650, 1 X 16 SC Optical Branching Device.	Nos	5			
19.	<u>1 Port Gpon ONU</u> a. Fiber Port: 1 EPON interface, SC single-mode/single-fiber. b. Fiber interface: SC/PC c. DC Power: 12V 1A, External AC-DC power adapter d. Throughput: 900Mbps or more	Nos	30			
20.	<u>Patch Cord</u> a. Model: Patch Cord 5M b. Fiber Optic Connector Type LC/LC c. Optical Fiber Cable, Single Mode	Nos	30			
21.	<u>POE Injector Tenda PoE15F PoE Injector 10/100Mbps</u> a. Model: Tenda PoE15F b. Transmission Range: UP to 100M c. Transmission Rate: 108Mbps d. Dimensions: 3.32*1.73*1.17 in	Nos	30			
22.	<u>Optical Fiber (12 Core)</u> a. Category: Fiber Optical cable b. Model: 12 Core c. Diameter: 6mm d. Jacket Material: HDPE e. Type: Single Mode	Met er	300			
23.	<u>Optical Fiber (04 Core)</u> a. Category: Fiber Optical cable b. Model: 4 Core c. Diameter: 6mm d. Jacket Material: HDPE e. Type: Single Mode	Met er	250 0			

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24.	<u>Pole for Extended View (1 M, 5mm Bar)</u> a. Application: Street, Roadway, highway, residence, industrial b. Material: Stainless Steel c. Length: 1M, 5mm Bar	Nos	30			
25.	<u>Camera Clamp for Wall Mount</u> a.CCTV camera bracket stand with adjustable wall mountable design. b. Quality metal material, durable and stable in performance. c. Easy Installation to use.	Nos	30			
26.	<u>Outdoor Metal Box</u> a. Material: Carbon Steel b. Size: H-12" x W-12" x L-18" c. Color: White Gray d. Finish Type: Polished e. Installation Type: Wall Mounted	Nos	20			
27.	<u>PVC Pipe, Flexible Pipe, Plastic Channel etc. as per actual rquierments</u>	Job	78			
28.	<u>Wiring Accessories as per actual rquierments</u>	Job	78			
29.	<u>Installation Connection and Commissioning</u>	Job	78			
	<u>General Terms and Conditions</u> a. Country of Origin & Manufacture: Any country. b. Supplier Enlistment in BOF is not mandatory. But necessary security clearance will be done before the project start. c. All standard attachment and necessary accessories must be supplied with machine. List of parts and accessories of all hardware to be submitted during the bidding. d. Standard warranty to be provided for all items. e. Year of manufacturing is not to be before 2022 for main items. f. Warranty for hardware to be considered from the date of acceptance by BOF ICT Cell. g. Warranty certificates of all products to be mentioned and submitted. h. Installation and trial run of independent product to be done by the supplier at BOF site within 10 days of arrival of the items to BOF. Necessary items for installation and trial run to be arranged by the supplier. i. Official Importers Authorization Certifications to be submitted. j. Operation manual/programming					

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	<p>manual in English should be supplied with the equipments.</p> <p>k. BOF Authority may ask to change any of the attachment/accessories if found not compatible with existing system/network.</p> <p>l. 03 days onsite training to be provided by manufacture/supplier after installation of independent product.</p> <p>m. Partial supply and payment not allowed.</p> <p>n. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of BOF Authority.</p> <p>o. Items serial no 1 to 29 to be considered as a package.</p> <p>p. Supplier must have at least 03 Separate works experiences in similar projects costing minimum 20 Lac BDT, among them minimum two projects have to be for Armed forces (Supply order/Purchase order/work order to be submitted as proof).</p>					

বিঃ দ্রঃ

- ক। বিওএফ এ তালিকাভিহীন প্রতিষ্ঠান সমূহও আলোচ্য দরপত্রে অংশগ্রহণ করতে পারবে।
- খ। উল্লিখিত পণ্যগুলোর দর CD & Vat ব্যতিত উল্লেখ করতে হবে। প্রয়োজনবোধে পণ্য খালাসের জন্য বিওএফ এর নিকট ছাড়পত্রের আবেদন করা যাবে।
- গ। পণ্যের উৎস দেশ উল্লেখ না থাকলে কিংবা একাধিক উৎস দেশের বেলায় মূল্যোদ্ধৃতি প্রদান কালে অবশ্যই নির্দিষ্ট করে উৎস দেশ উল্লেখ করতে হবে।
- ঘ। সরবরাহ আদেশের বিপরীতে সরবরাহকৃত পণ্য প্রত্যাখাত হলে প্রতিস্থাপনের বেলায় পণ্যের পুনঃ পরীক্ষার ক্ষেত্রে প্রতিবারের জন্য প্রচলিত হারে চার্জ প্রদান করতে হবে।
- ঙ। দেশীয় মুদ্রায় ক্রয়ের ক্ষেত্রে স্থানীয় উৎস হতে সরবরাহের ক্ষেত্রে ৯০ দিন এবং বৈদেশিক উৎস হতে সরবরাহের ক্ষেত্রে ১৮০ দিন অথবা তৎপূর্বে পণ্য সরবরাহ করতে হবে।
- চ। সরবরাহ আদেশ প্রদানের প্রাক্কালে মোট মূল্যের উপর ৫% হারে কম্যান্ড্যান্ট বিওএফ গাজীপুর ক্যান্ট এর অনুকূলে পিজি (পে-অর্ডার,ডিডি/ব্যাংক গ্যারান্টি) দাখিল করতে হবে। সন্তোষজনকভাবে পণ্য সরবরাহ হওয়ার পর উহা ফেরৎ প্রদান করা হবে। পণ্য সরবরাহে ব্যর্থ হলে সরবরাহ আদেশ বাতিল করতঃ দাখিলকৃত পিজি বাজেয়াপ্ত করে সরকারী কোষাগারে জমা করা হবে।
- ছ। দেশীয় মুদ্রায় বিল পরিশোধের সময় প্রযোজ্য ক্ষেত্রে ভ্যাট ও আয়কর কর্তন করা হবে।
- জ। নিম্নলিখিত সনদপত্রের সত্যায়িত ফটোকপি দরপত্রের সাথে সংযুক্ত করতে হবে :
- ১। ভ্যাট রেজিস্ট্রেশন সনদ ২। টিআইএন সনদ ৩। হালনাগাদ ট্রেড লাইসেন্স ৪। টিআইএন রেজিস্ট্রেশন সার্টিফিকেট ৫। বিন সার্টিফিকেট

দরপত্রে অংশ গ্রহণকারীর স্বাক্ষর

(বড় অক্ষরে নাম)

‘সীলমোহর’

স্থান :

তারিখ :