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**BIHAR STATE EDUCATIONAL INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.**

( A Govt. of Bihar Undertaking )

ISO 9001:14001;OHSAS 18001

Shiksha Bhawan, Bihar Rashtrabhasa, Parishad Campus, Acharya Shivpujan Sahay Path, Saidpur, Patna-800004

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| **Sl. No.** | **Description of items** | **Qty** | **Unit** | **Rate  In Digits** | **Rate  In Words** |
| 1 | Supplying,Installing,Testing of Day/night fixed IP Dome Camera with a discreet, dust and IK rated vandal-resistant indoor casing. Varifocal 2.5-10 mm P-Iris lens, remote focus and zoom. Multiple, individually configurable H.264 and Motion JPEG streams; max HDTV 1020P or 2MP resolution at 30 fps. WDR more than 70dB. Video motion detection and active tampering alarm. Memory card slot for optional local video storage. Power over Ethernet. Includes mounting bracket for wall/ceiling or junction boxes as per technical specifications all complete job as per direction of E/I Make- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 2 | Supplying,Installing, Testing of Day/night IP Bullet with a discreet, dust and IK rated vandal-resistant indoor casing. Varifocal 2.8-10 mm P-Iris lens, remote focus and zoom. Multiple, individually configurable H.264 and Motion JPEG streams; max HDTV 1020P or 2MP resolution at 30 fps. WDR more than 70dB.Video motion detection and active tampering alarm. Memory card slot for optional local video sorage. Power over Ethernet. Includes mounting bracket for wall/ceiling or junction boxes as per technical specifications all complete job as per direction of E/I Make- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 3 | Supplying,Installing,Testing of Multi- Directional Sensor PTZ Camera 5 MP,1/2.3” 5 MP CMOS Sensor with Built-in Automatic IR Cut Filter, 360 ̊ degrees at all times irrespective of Angle of View32 X Digital Zoom , H.264 and MJPEG, motion detection , Analytics based Pan/ Tilt/ Zoom camera.Built in SD card slot with support upto 64 GB with Class 10 speed, Microphone input support, IP 66, IK10,Axis, ONCAM as per technical specifications all complete job as per direction of E/I Make- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 4 | Supplying,Installing,Testing of All-in-one Video Network recording solution (NVR) for up to 16 channels, Pre-installed, pre-configured IP storage solution with 8 TB storage capacity, RAID-5 protected,Hot-swappable hard drives, Temperature +10 °C to +35 °C, Relative humidity-8 to 90% (non-condensing), Recording shall be calculated for all cameras at full frame rate & resolution for 15 days as per technical specifications all complete job as per direction of E/I Make- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 5 | All-in-one Video Network recording solution (NVR) for up to 32 channels, Pre-installed, pre-configured IP storage solution with 16 TB storage capacity, RAID-5 protected,Hot-swappable hard drives, Temperature +10 °C to +35 °C, Relative humidity-8 to 90% (non-condensing), CE, UL Certified. Recording shall be calculated for all cameras at full frame rate & resolution for 15 days as per technical specifications all complete job as per direction of E/I Make- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 6 | Supplying,Installing,Testing of All-in-one Video Network recording solution (NVR) for up to 64 channels, Pre-installed, pre-configured IP storage solution with 32 TB storage capacity, RAID-5 protected,Hot-swappable hard drives, Temperature +10 °C to +35 °C, Relative humidity-8 to 90% (non-condensing), CE, UL Certified. Recording shall be calculated for all cameras at full frame rate & resolution for 15 days as per technical specifications all complete job as per direction of E/IMake- Secure eye/Hikvision/CP Plus. | 1.00 | Each |  |  |
| 7 | Supplying,Installing,Testing of 42"/43" Full HD LED Professional Display for Monitoring with mounting accessories as per technical specifications all complete job as per direction of E/I (Make- LG/Samsung/ Panasonic/Sony) | 1.00 | Each |  |  |
| 8 | Supplying,Installing,Testing of Networking Poe Switch, 10/100/1000 BT ports, 8 ports providing PoE as per 802.3a/f as per technical specifications all complete job as per direction of E/I (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 9 | Supplying,Installing,Testing of Networking Poe Switch, 10/100/1000 BT ports, 24 ports providing PoE as per 802.3a/f as per technical specifications all complete job as per direction of E/I (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 10 | Supplying,Installing,Testing of Layer 3 Networking Switch, 10/100/1000 BT ports, 24 ports providing PoE as per 802.3a/f as per technical specifications all complete job as per direction of E/I. (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 11 | Supplying,Installing,Testing of Layer 2 networking switch, 10/100/1000 BT ports, 24 ports providing PoE as technical specifications all complete job as per direction of E/I. (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 12 | Supplying,Installing,Testing of Layer 2 networking switch, 10/100/1000 BT ports, 48 ports providing PoE as per technical specifications all complete job as per direction of E/I. (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 13 | Supplying,Installing,Testing of 1 G SFP Module as per technical specifications all complete job as per direction of E/I. (Make- D-Link / Cisco/ Panasonic) | 1.00 | Each |  |  |
| 14 | Supplying,Installing,Testing of KVM Switch 8 Port as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 15 | Supplying,Installing,Testing of 6 Core Optical Fibre cable in prelaid PVC conduits / pipes / raceway all complete job as per direction of E/I. (Make: Finolex/havells) | 1.00 | Mtr. |  |  |
| 16 | Supplying,Installing,Testing of Optical Fibre cable Jointer as per technical specifications all complete job as per direction of E/I | 1.00 | Each |  |  |
| 17 | Supplying,Installing,Testing of Optical Network Unit as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 18 | Supplying,Installing,Testing of Optical Line Termination Switch as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 19 | Supply, installation and Testing of Media Convertor as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 20 | Supplying & installing UTP networking Cat-6 cable suitable for LAN/WAN computer net working as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Mtr. |  |  |
| 21 | Supplying,Installing,Testing of 19" 6U Rack for Switches as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 22 | Supplying,Installing,Testing of 42 U Rack for Switches as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 23 | Supplying,Installing,Testing of 3x3 I/O box with face place Female Rf45 as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 24 | Supplying,Installing,Testing of CAT 6 Giga Speed 1.2 m Patch Cord as per technical specifications all complete job as per direction of E/I. (Make:Digisol / D-Link/Cisco) | 1.00 | Each |  |  |
| 25 | Supplying,Installing,Testing of Command Centre Workstattion with Intel Xeon ProcessorE3-1240 v3 (Quad Core HT, 3.40GHz Turbo, 8MB) or higher, 16 GB Memory or Higher, 6 TB 3.5 inch Serial ATA (7200 rpm) HDD, 16X DVD RW Drive, 1 GB NVIDIA QUADRO K600 Graphic card or higher, Operating System: Windows 10 Professional with1920 x 1080 Display all complete job as per direction of E/I  (Make: DELL/HP/ACER) | 1.00 | Each |  |  |
| 26 | Supplying,Installing,Testing of Firewall for 500 User all complete job as per direction of E/I (Make: fortinet/ Cisco/ Brightstar) | 1.00 | Each |  |  |
| 27 | Supply, installation, testing and commissioning of the following components as required of IP PBX systems,16 S AC, Configration: 8 Trunk Line with 224 Analog Extention all complete job as per direction of E/I. Make:- MATRIX/Dlink./Panasonic | 1.00 | Each |  |  |
| 28 | Supply, installation, testing and commissioning of the following components as required of IP PBX systems, 12S AC, Configration :- 110 Analog Extention all complete job as per direction of E/I Make:- MATRIX/Dlink./Panasonic | 1.00 | Each |  |  |
| 29 | Supply, installation, testing and commissioning of the following components as required of IP PBX systems , 12S AC, Configration :- 48 Analog Extention all complete job as per direction of E/I Make:- MATRIX/Dlink./Panasonic | 1.00 | Each |  |  |
| 30 | Supply, installation, testing and commissioning of Opertor Console all complete job as per direction of E/I Make:- MATRIX/Dlink./Panasonic | 1.00 | Each |  |  |
| 31 | Supply, installation, testing and commissioning of DP BOX 10 PAIR all complete job as per direction of E/I | 1.00 | Each |  |  |
| 32 | Supply, installation, testing and commissioning of DP BOX 50 PAIR all complete job as per direction of E/I | 1.00 | Each |  |  |
| 33 | Supply, installation, testing and commissioning of DP BOX 100 PAIR all complete job as per direction of E/I | 1.00 | Each |  |  |
| 34 | Supply, installation, testing and commissioning of 50 PAIR KRONE BOX all complete job as per direction of E/I | 1.00 | Each |  |  |
| 35 | Supply, installation, testing and commissioning of 100 PAIR KRONE BOX all complete job as per direction of E/I | 1.00 | Each |  |  |
| 36 | 3C X 1.5 Sqmm Power twisted pair copper cable all complete job as per direction of E/I (Make: Havells) | 1.00 | Mtr. |  |  |
| 37 | Supply, installation, testing and commissioning of 12 U Networking Rack with Glassdoor all complete job as per direction of E/I (Make:- MATRIX/Dlink./Panasonic) | 1.00 | Each |  |  |
| 38 | Supply, installation, testing and commissioning of Telephone Sets (analog and digital) shall be line powered from the system and connected on two wires (single pair) only all complete job as per direction of E/I. Make: BEETEL/ Panasonic/Motorola) | 1.00 | Each |  |  |
| 39 | Supply, installation, testing and commissioning of RJ 11 1.2m Patch Cord all complete job as per direction of E/I Make:- MATRIX/Dlink./Panasonic) | 1.00 | Each |  |  |
| 40 | Supply, installation, testing and commissioning of 10KVA Online UPS without Battery, Input 3 Phase Ouput 1 Phase, True Online UPS Systems with input Power factor of 0.99, THDi < 5%, AC-AC efficiency 94 %, Inbuilt isolation transformer covering Online as well as Bypass path having 30 Minutes battery Backup with each UPS System with all accessoriesas as per Eaton. Parllaling Upto 6 Units ( without Synchronization Panel as per oem) Isolation Transformer, Active Input power factor Correction, Input Phase Sequence Corrector shall be inbuild with UPS. Including For 30 Minutes Backup, 32 Nos of 12V 42AH Battery,Racks Links and Interlink DC cable from Battery to UPS and other neccessary accessories all complete job as per direction of E/I. (Make:- APC / MICROTEK / NUMERO ) | 1.00 | Each |  |  |
| 41 | Supply, installation, testing and commissioning of 20 KVA Online UPS without Battery, Input 3 Phase Ouput 1 Phase, True Online UPS Systems with input Power factor of 0.99, THDi < 5%, AC-AC efficiency 94 %, Inbuilt isolation transformer covering Online as well as Bypass path having 30 Minutes battery Backup with each UPS System with all accessoriesas as per Eaton. Parllaling Upto 6 Units ( without Synchronization Panel as per oem) Isolation Transformer, Active Input power factor Correction, Input Phase Sequence Corrector shall be inbuild with UPS. Including For 30 Minutes Backup, 32 Nos of 12V 42AH Battery,Racks Links and Interlink DC cable from Battery to UPS and other neccessary accessories all complete job as per direction of E/I. (Make:- APC / MICROTEK / NUMERO ) | 1.00 | Each |  |  |

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