**QUOTATION**

Quotation no: Court 405

Date 27/01/2023

**To,**

**CONSTRUCTION OF DISTRICT & SESSIONS COURT COMPLEX,**

**MERCES, PANAJI, GOA**

Dear Sir,

Kindly check the quotation as per your requirement.

Part A

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **PA SYSTEM** | |  |  |  |  |  |
| **ITEM NO.** | **DESCRIPTION** | **Item Description provided by us** | **UNIT** | **QTY** | **RATE** | **AMOUNT** |
| P89 | Supplying and fixing of Digital Interrated System Manager, 8 zones, Multi-functional Integration, without PTT microphone  1. Input impedance-20 kΩ  2. Frequency response-60 Hz - 16 kHz 3.Audio output channels- 4  4 AVC Input Channels- 4 | Remote Call Station 8 preset buttons and 8 configurable buttons optional gooseneck or PTT | **each** | **1** | 36000 | 180000 |
|  | Main control unit HCU-2000 (RoHS) |  | **4** |
| P90 | Supplying and fixing of Power Amplifier, 1000W 1.100V,70V and 4-16 Ohms transformer isolated 2. Combination XLR /RCA Line In and Line OUT connectors 3. LED status indicators 4. Speaker output short circuit protection. | 1000W Power Amp | **each** | **1** | 96900 | 193800 |
| P91 | Supplying and fixing of Power Amplifier, 660W • 100V,70V and 4-16 Ohms transformer isolated • Combination XLR /RCA Line In and Line OUT • LED status indicators • Speaker output short circuit protection | **each** | **1** |
| P92 | Supplying and fixing of Power Amplifier, 480W • 100V,70V and 4-16 Ohms transformer isolated • Combination XLR /RCA Line In and Line OUT • LED status indicators • Speaker output short circuit protection | HNIA480 | **each** | **1** | 49500 | 49500 |
| P93 | Supplying and fixing of Power Amplifier, 240W  •100V,70V and 4 Ohms transformer isolated speaker outputs •Banlanced XLR input with XLR parallel link- •400Hz high pass filter •Ground Selector Switch: Frame/ float •Adjustable input gain from -12dB to 0dB | 240W Power Amp | **each** | **1** | 36900 | 36900 |
| P94 | Supplying and fixing of 1.5/3/6W, 5" Plastic Ceiling Speaker • Flush-mounting system for fast and easy installation • Wide frequency response for excellent speech and music reproduction • Excellent crash and rust resistant design • Fully ABS plastic with metal grille • Power tapping options available – 6/3/1.5W | 5 inch ceiling loudspeaker 6 or 3 or 1 or 5W white metal | **each** | **296** | 3990 | 1181040 |
| P95 | Supplying and fixing of 3/6W, 4" Plastic Mount Speaker  • Sensitivity 88 dB • SPL 1m/6 W 96 dB • SPL 1m/3 W 93 dB  • Frequency response (-10 dB) 110 Hz ~13K Hz | 6W Ceiling Speaker | **each** | **243** | 1260 | 306180 |
| P96 | Supplying and fixing of Horn loudspeaker, 15/7.5W, white, ABS Max power 25 W Rated power 15 W Power tapping 15 W / 7.5 W Sound pressure level 15W/1W(1m,350Hz~7kHz)- 115 dB / 103 dB Frequency response(-10 dB)- 350 Hz ~8k Hz Dispersion angle (1k Hz / -6 dB)- 140° Rated input voltage-100 V / 70 V | 15W horn speakers | **each** | **71** | 5700 | 404700 |
| P97 | Supplying, drawing, connecting, testing and commissioning of shielded, twin twisted and stranded single core PVC insulated (white PVC sheathing with colour skinning) FRLS copper conductor cable in existing surface/recessed steel/PVC conduit of approprriate size including connections etc. complete as required of following size. |  |  |  | 175 | 1662500 |
|  | (a) 2 x 1.5 sq.mm |  | **meter** | **9500** |
| **Total** | | | | | | **4014620** |

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| **CCTV System** | |  |  |  |  |  | | |
| **ITEM NO.** | **DESCRIPTION** | **Item provided by us** | **Unit** | **QTY** | **Rate** | **Amount** | | |
| P98 | Supplying and fixing of  IP BULLET CAMERA | Honeywell or Smiliar 2 MP bullet Camera | Each | 133 | 5700 | 758100 | | |
| 1.1/3” 3Megapixel 6mm lens progressive scan Aptina CMOS |
| 2. H.264 & MJPEG dual-stream encoding |
| [3.Max15fps@1.3M(1280×960)&25/30fps@720P(1280×720)](mailto:3.Max15fps@1.3M(1280%C3%97960)&25/30fps@720P(1280%C3%97720)) |
| 4. Day/Night(ICR), 2DNR, AWB, AGC, BLC |
| 5. Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS |
| 6. 6mm fixed Lens (3.6mm, 8mm optional) |
| 7. Max. IR LEDs length 20m |
| 8. IP66, PoE |
| P99 | Supplying and fixing of IP DOME CAMERA | Honeywell or Similar 2 MP DOME Camera | Each | 80 | 5600 | 448000 | | |
| 1.1/3” 2Megapixel progressive scan Aptina CMOS |
| 2. H.264 & MJPEG dual-stream encoding |
| [3.Max15fps@1.3M(1280×960)&25/30fps@720P(1280×720)](mailto:3.Max15fps@1.3M(1280%C3%97960)&25/30fps@720P(1280%C3%97720)) |
| 4. Day/Night(ICR), 2DNR, AWB, AGC, BLC |
| 5. Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS |
| 6. 6mm fixed Lens (3.6mm, 8mm optional) |
| 7. Max. IR LEDs length 20m |
| 8. IP66, PoE |
| P100 | Supplying and fixing of IP DOME CAMERA | Honeywell or Similar 2 MP DOME Camera | Each | 32 | 5600 | 179200 | | |
| 1.1/3” 1.3Megapixel progressive scan Aptina CMOS |
| [2. H.264 & MJPEG dual-stream encoding 3.Max15fps@1.3M(1280×960)&25/30fps@720P(1280×720)                                                                                                   4. Day/Night(ICR), 2DNR, AWB, AGC, BLC](mailto:3.Max15fps@1.3M(1280%C3%97960)&25/30fps@720P(1280%C3%97720)) |
| 5. Multiple network monitoring: Web viewer,CMS(DSS/PSS) & DMSS 6. 6mm fixed Lens (3.6mm, 8mm optional) |
| 7. Max. IR LEDs length 30m |
| 8. IP66, PoE |
| P101 | Supplying and fixing of  IP PTZ COME CAMERA 1.3MP, 1/2.8" CMOS, 3D DNR, ICR, Color: 0.05lux/F1.6, B/W:0.01lux/F1.6, Optical Zoom:30x, Focus:4.7-94.0mm, 1920x1080:30fps, Pan Speed: 0.1° -160°/s, Tilt Speed: 0.1° -120°/s -150mtr. | Honey well or Similar 2MP Starlight IR PTZ Camera | Each | 15 | 97400 | 1461000 | | |
| P102 | Supplying and fixing of LPR BULLET CAMERA | Honeywell or Smiliar 2 MP bullet Camera | Each | 2 | 5700 | 11400 | | |
| 1.1/3” 2Megapixel 6mm lens progressive scan Aptina CMOS |
| 2. H.264 & MJPEG dual-stream encoding |
| [3.Max15fps@1.3M(1280×960)&25/30fps@720P(1280×720)](mailto:3.Max15fps@1.3M(1280%C3%97960)&25/30fps@720P(1280%C3%97720)) |
| 4. Day/Night(ICR), 2DNR, AWB, AGC, BLC |
| 5. Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS |
| 6. 6mm fixed Lens (3.6mm, 8mm optional) |
| 7. Max. IR LEDs length 20m |
| 8. IP66, PoE |
| P103 | Supplying and fixing of  NVR | Honeywell or Similar 40 CHANNEL NVR | Each | 5 | 48000 | 240000 | | |
| 1.64 CH  IP camera input |
| 2.H.264/MPEG4 Dual-Codec |
| 3.HDMI, VGA & BNC output up to 1080P |
| 4 Recording: |
| 16CH:    16CH@D1/8CH@720P/4CH@1080P |
| 8CH:      8CH@D1/4CH@720P/2CH@1080P |
| 4CH:      4CH@D1/2CH@720P/1CH@1080P |
| 5. 8SATA, 2USB |
| P104 | Supplying and fixing of NVR | Honeywell or Similiar80 CHANNEL NVR | Each | 1 | 149000 | 149000 | | |
| 1.32 CH IP camera input |
| 2.H.264/MPEG4 Dual-Codec |
| 3.HDMI, VGA & BNC output up to 1080P |
| 4 Recording: |
| 16CH:    16CH@D1/8CH@720P/4CH@1080P |
| 8CH:      8CH@D1/4CH@720P/2CH@1080P |
| 4CH:      4CH@D1/2CH@720P/1CH@1080P |
| 5. 8SATA, 2USB |
| P105 | Supplying and fixing of 4 - HDD Surveillance Hard Disk | WD Purple 4Tb HDD | Each | 24 | 12500 | 300000 | | |
| P106 | Supplying and fixing of 8 Port Gigabit PoE+ Managed Switch Network Switch |  | Each | 5 | 14000 | 70000 | | |
| P107 | Supplying and fixing of 32 Port Gigabit PoE+ Managed Switch Network Switch | Supplying and fixing of 24 Port Gigabit PoE+ Managed Switch Network Switch | Each | 30 | 36000 | 1080000 | | |
| P108 | Supply, Installation, Testing, Commissioning of CCTV camera display professional grade LED screen for 1/2/4/8/16 screen splits for IP cameras, 40" LED, back lit, 16:9, 1920x1080, Brightness 350 nits, 5000:1 contrast, VGA-HDMI-DVI-D-Stereo minijack Input, Audio Minijack output, Built In Speaker, External control RS232/ RJ45, Built in Tuner, Media Player, 9.5 mm top/ side & 15 mm bottom bazel, Wall mount stand,   power supply consumption, 240V AC. |  | Each | 2 | 50000 | 100000 | | |
| **Total** | | | | | | | **4796700** |

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| Part B  **FIRE ALARM SYSTEM** | |  |  |  |  |  |
| **ITEM NO.** | **DESCRIPTION** | **Item provided by us** | **UNIT** | **QTY** | **RATE** | **AMOUNT** |
|  |  |  |  |  |  |  |
| P114 | Supplying, erecting & terminating PVC armoured cable 2 core 2.5 sq mm copper conductor continuous 5.48 sq mm (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/pole or laid in provided trench/ pipe as per specification no. CB-LT/CU |  | **rmt** | **12710** | 295 | 3749450 |
| P115 | Supply, Install, Testing & Commissioning of Addressable Fire Alarm System |  |  |  |  | 0 |
| P115.1 | Microprocessor based 10 loop intelligent analogue addressable, modular, expandable networkable, fire alarm control panel with minimum 640 character LCD display, multiple access levels, event historiy file in non-volatile memory. The panel shall display and control all point in the entire network with capability of even programming any point in the network from the front keypad. The panel shall be equipped with sufficient number of loops, each loop shall have capacity of minimum 160+160 addressable devices & Detectors in any combination in one loop. The panel shall have intergraded programmable voice command center, voice evacuvation zones, four access levels, capable of taking flash scan devices, sufficient number of programmable relay controls & annunciator points for selecting the input or output zones for controlling various utilities. | Make - GST Flush or Surface Mounting Modularized Panel Maximum 10 Loops standalone2420 Addressable Devices 8 loops with Networkable1936 addressable points No Loops FittedRequires loop cardGSFLCIFP8 and network card additionally for networking 140 Zone Indication Big | **No** | **1** | 693000 | 693000 |
|  | The panel shall have Bacnet card with all accessories as required for integration. The panel must be capable of cross zoning facility and compatible with the PA system, supported by battery bank and shall have back up of 2 hours all with necessary cabling, terminations, control wiring etc complete. | RS232 Co mm unication Board for GSFGSTIFP8 Co mm issioning and GMC Software Connection | **No** | **1** |
|  | Portable Programming Tool for Addressing Presetting and Testing of Addressable Devices | **No** | **1** |
|  | Dual Loop card for IFP8 484 Addressable Devices Capacity LPCB Approved | **No** | **4** |
|  | Modbus Protocol RS232 Co mm unication Board | **No** | **1** |
| P115.2 | ALARM INITIATING DEVICES, MODULES & CONTROLS: |  |  |  |  |  |
|  | Supplying, installing, testing and commissioning of following items: |  |  |  |  |  |
| P115.2.1 | Supply, storing, fixing & testing of Addressable analog optical type smoke detectors with base complete junction box & cable glands with termination of cable wherever required and applicable (UL & FM approved) below false Ceiling | Intelligent Photoelectric Smoke Detector | **No** | **1000** | 2500 | 3000000 |
| P115.2.2 | Supply, storing, fixing & testing of Addressable analog optical type smoke detectors with base complete junction box & cable glands with termination of cable wherever required and applicable (UL & FM approved) above false Ceiling | **No** | **200** |
| P115.2.3 | Supply, storing, fixing & testing of Addressable analog rate of rise cum fixed temperature type heat detector with complete junction box & cable glands with termination of cable wherever required and applicable (UL & FM approved) below false ceiling or direct fixed on slab | Intelligent Heat Detector DI9103E | **No** | **140** | 2600 | 364000 |
| P115.3 | Addressable Manual call points suitable for wall/column mounting with complete junction box & cable glands with termination of cable wherever required and applicable (UL &FM approved) | Addressable Semi Flush Mounting Resettable NonBreaking Glass Supplied with Special Reset Tool Compatible with both I DI Series Certified by LPCB | **No** | **30** | 3900 | 117000 |
| P115.4 | Supplying, Installing, Testing and Commissioning of polarity insensitive twin LEDs, response indicators with suitable 16 gauges MS box acrylic sheet minimum 2 mm thick and LED mounted for wide angle viewing 60-degree minimum. | Response Indicator Metal Plate | **No** | **200** | 195 | 39000 |
| P115.5 | Supply, storing, fixing & testing of analogue addressable Active Repeater Fire alarm control Panel. (UL, FM approved) | Network Active RepeaterPT Compatible with GSFGST100 GSFGST200 GSFGST5000 IFP8PT Consider GSFP9940A card to network this with GST panels | **No** | **1** | 57900 | 57900 |
| RS485 Network Card for GST200 panels |  |  |
| P115.6 | Addressable Hooter with Monitor Module with complete junction box & cable glands with termination of cable wherever required and applicable. (UL & FM approved) | Addressable Sounder 24VDC required Certificated by LPCB | **No** | **30** | 5700 | 171000 |
| P115.7 | Addressable Control Module with complete junction box & cable glands with termination of cable wherever required and applicable. (UL & FM approved) | Addressable Single Input Output Module Certificated by LPCB Loop Powered | **No** | **30** | 3600 | 108000 |
| P115.8 | EXIT POINT Directional Sounders with strobes with minimum 8 distinct sound patterns to indicate corridors, Exit doors, Move upward, move down ward etc. to direct Occupants for fast & safe Evacuation as per specification | Addressable Combined Sounder and Strobe24VDC Certificated by LPCB | **No** | **40** | 5700 | 228000 |
| **Total** | | | | | | **8527350** |

**Client scope:**

Scaffolding wherever required to be provided.

Electrification wherever necessary to be provided.

Fabrication like poles etc. to be provided.

Fabricated poles if required to be provided.

Civil work if required.

**Payment Terms**

100 % Advance

**Company’s Bank Details**

**Bank Name:** Central Bank of India

**Account Number:** 3167002097

**Branch & IFS Code:** Panaji & CBIN0280713

**Terms & conditions apply**.

Quotation valid for 10 days only.

GST @ 18% Extra

Lead time 6 weeks from the date of advance.

If payment not received on time interest @ 15% will incurred per annum.

Any extra item if required to be charged as actual.

Warranty as per manufacturer not valid in case of surges, fluctuation, lightening etc.to be claimed directly with the

manufacturer without involving JP TECHATRONICS.

Solution done as per recommendation and request by client hence, JP TECHATRONICS or its employees should not be held responsible for any kind of malfunctioning of the system for any reasons.

Services like data backup, searching footage, port forwarding etc. to be charged as actuals.

Service calls post installation to be charged as actuals.