**QUOTATION**

Quotation no: GHD 304

Date 08/11/2022

**To,**

**GHD ANGHAAN**

Dear Sir,

Kindly check the quotation as per your requirement.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **BILL OF QUANTITIES FOR ELV SERVICES FOR GHD ANGHAAN** | | | | | |
| Sr.No | Particulars | Unit | QTY | Rate Rs | Amount Rs |
|  | **TELEPHONE SYSTEM** |  |  |  |  |
| 1 | Supplying, erecting & commissioning of Digital EPABX System configured fo 1 PRI, 10 Digital Extensions & 250 Analog Extensions matrix or similar | EACH | 1 | 969330 | 969330 |
| 2 | Supplying, erecting & commissioning of operator phone system as per specification | EACH | 1 | 4900 | 4900 |
| 3 | Supplying, erecting & commissioning MDF Box 300 x 300 pairs with krones as per specification | EACH | 1 | 3780 | 3780 |
| 4 | Supplying, erecting & commissioning junction box suitable for 20 pairs as per specification | EACH | 15 | 990 | 14850 |
| 5 | Supplying, erecting & commissioning junction box suitable for 50 pairs as per specification | EACH | 2 | 1650 | 3300 |
| 6 | Supplying, erecting & commissioning 10 pair KRONE module for connection & disconnection of telephone cable as per specification | EACH | 36 | 290 | 10440 |
| 7 | Supplying & erecting over voltage protection magazine suitable for 10 pair as per specification | EACH | 2 | 6900 | 13800 |
| 8 | Supplying, installing, testing & commissioning push button telephone instrument desk top/wall mount with caller IDunit as per specification complete. | EACH | 230 | 2980 | 685400 |
| 9 | Supplying & erecting jelly filled armoured telephone copper cable 20 pair with 0.5 mm dia. laid in provided trench as per  specification | METER | 2500 | 280 | 700000 |
| 10 | Supplying & erecting jelly filled armoured telephone copper cable 5 pair with 0.5 mm dia. laid in provided trench as per  specification | METER | 250 | 125 | 31250 |
| 11 | Supplying & erecting jelly filled armoured telephone copper cable 50 pair with 0.5 mm dia. laid in provided trench as per  specification | METER | 120 | 495 | 59400 |
| 12 | Supplying & erecting jelly filled armoured telephone copper cable 10 pair with 0.5 mm dia. laid in provided trench as per  specification | METER | 120 | 195 | 23400 |
|  | **TOTAL** |  |  |  | 2519850 |
|  | **CCTV SYSTEM** |  |  |  |  |
| 1 | Supplying & installing single mode OS1/OS2 - armoured - 12 core OS1/OS2 armoured single mode optical fibre of size  50/125µm. 10/40 gbps speed in provided underground HDPE pipe complete. | METER | 2000 | 150 | 300000 |
| 2 | Supplying & installing single mode fibre patch cord 3 m complete | EACH | 30 | 1800 | 54000 |
| 3 | Supplying & installing single mode fibre adapter with plate - 6 port complete. | EACH | 16 | 660 | 10560 |
| 4 | Supplying and fixing rack type 24 ports, light guide interconnect unit with adapter panel for termination of optical fibre cables on wall/ provided U rack complete as per specification | EACH | 16 | 6600 | 105600 |
| 5 | Supplying & installing single mode simplex pigtail complete | EACH | 85 | 250 | 21250 |
| 6 | Supplying and fixing 24 port patch panel with tool-less keystone jacks in provided U Rack complete as per specification | EACH | 16 | 6600 | 105600 |
| 7 | Supplying and fixing 9U IP66 outdoor mount server rack with pole mount bracket (Dimension- DxW - 450X550 mm) as  per specification | EACH | 2 | 18000 | 36000 |
| 8 | Supplying & installing UTP networking cat-6 armoured cable suitable for LAN / WAN Computer net-working as per specification | METER | 800 | 195 | 156000 |
| 9 | Supplying and fixing IP66 enclosure for fibre splicing as per specification complete. | EACH | 6 | 2500 | 15000 |
| 10 | Supplying and fixing 1 meter length, UTP patch cord of Cat 6 type in position as per specification | EACH | 350 | 150 | 52500 |
| 11 | Supplying and fixing 3 meter length, UTP patch cord of Cat 6 type in position as per specification | EACH | 30 | 175 | 5250 |
| 12 | Supplying, fixing, and configuring media convertor 1000Base T to 1000 base-SX SC single-mode media converter (550m)  complete. | EACH | 15 | 9900 | 148500 |
| 13 | Supplying and erecting of Pro series IP Dome / Bullet Camera , 4MP 3.6mm Make: CP Plus / Dahua | EACH | 55 | 6600 | 363000 |
| 14 | Supplying and erecting Pro series NVR 32 Channel with 4 SATA Make : CP Plus /Dahua | EACH | 2 | 48900 | 97800 |
| 15 | Supplying and erecting of Surveillance Hard disk 6 TB Make : Seagate | EACH | 4 | 14400 | 57600 |
| 16 | Supplying, fixing, and configuring 16-ports 10/100/1000Mbps unmanaged gigabit PoE Switch complete | EACH | 26 | 18000 | 468000 |
| 17 | Supplying, fixing, and configuring 8-ports 10/100/1000Mbps unmanaged gigabit PoE Switch complete | EACH | 26 | 9900 | 257400 |
| 18 | Supplying, fixing, and configuring 24-ports 10/100/1000Mbps unmanaged gigabit PoE Switch complete | EACH | 2 | 29400 | 58800 |
| 19 | Supplying, fixing, and configuring 32-ports 10/100/1000Mbps unmanaged gigabit PoE Switch complete tp link (16 port 2 qty) | EACH | 2 | 36000 | 72000 |
| 20 | Supplying and erecting of Mounting Box for Indoor Cameras | EACH | 55 | 150 | 8250 |
| 21 | Supplying, installing & testing UTP connector (RJ-45) as per specification with crimping | EACH | 230 | 175 | 40250 |
| 22 | Supplying, installing of Outdoor Housing for cameras ( Fibre body) | EACH | 1 | 1800 | 1800 |
| 23 | Monitor 32 " Samsung /Eq | EACH | 2 | 32599 | 65198 |
| 24 | Rack 17 U along with plates for CCTV & EPABX | EACH | 1 | 29400 | 29400 |
| 25 | Supplying and laying (including excavation of suitable width & depth up to 90 cm) **50 mm outside dia. double wall corrugated pipes (DWC)** of HDPE for enclosing cable below ground/road surface, to required depth complete. | METER | 1600 | 975 | 1560000 |
|  | **TOTAL** |  |  |  | 4089758 |
|  | **IT SERVICES** |  |  |  |  |
| 1 | Supply,Installation, Testing and Commissioning Ceiling Mount Wreless Dual Band Access Point, Gigabit Ethernet PoE Port ( 802.3af/at PoE) ,Antennas : 3 Internal Omni,2.4 GHz: 4 dBi, 5 GHz: 5 dB' MU - MIMO, Mounting Kit, Seamless Roaming, Signal rate : 5 GHz:Up to 867 Mbps, 2.4 GHz:Up to 450 Mbps, Transmission power : ≤20 dBm(2.4 GHz, EIRP), ≤23 dBm(5 GHz, EIRP) | EACH | 12 | 39940 | 479280 |
| 2 | Supply,Installation, Testing and CommissioningIn Wall Dual Bank Access Point, PoE Gigabit LAN Port, 1 Non PoE Gigabit LAN Port, 802.3af/802.3at PoE, 2 Dual-Band Antennas, 2.4 GHz: 2× 4 dBi, 5 GHz: 2× 3.6 dB, Signal Rate : 5 GHz: Up to 867 Mbps, 2.4 GHz: Up to 300 Mbps, IEEE 802.11n/g/b/ac; MU-MIMO, Transmission Power : ≤20 dBm (2.4 GHz, ` ≤23 dBm (5 GHz, EIRP) | EACH | 230 | 18900 | 4347000 |
| 3 | Supply,Installation, Testing and Commissioning24 Port Unmanaged Ethernet Gigabit PoE Switch, 2 Uplink ports, 2 SFP ports, 450 Watts power budget, Upto 30W loading on port, Rack Mountable | EACH | 2 | 148500 | 297000 |
| 4 | Supply,Installation, Testing and Commissioning 16 port Unmanaged Ethernet Gigabit PoE Switch, 2 Uplink ports, 2 SFP ports, 350 Watts power budget, upto 30 watts loading on port, Rack Mountable | EACH | 2 | 99000 | 198000 |
| 5 | Supply,Installation, Testing and CommissioningUTM Firewall with builtin Hotspot gateway, Interfacing with popular PMS to generate WiFi password for guest when guest checks in, Captive portal with SMS integration, One year subscription make : SOPHOS firewall 4000 users | EACH | 2 | 1440000 | 2880000 |
| 6 | Supply,Installation, Testing and Commissioning24 Port Unmanaged Ethernet Gigabit Switch ( Server Room), Rack mountable | EACH | 2 | 8000 | 16000 |
| 7 | Supply,Installation, Testing and Commissioning 8 Port desktop Gigabit Ethernet Switch | EACH | 2 | 1650 | 3300 |
| 8 | 42U Networking Rack for server room, 4 nos.cable managers, 12 socket power manager, 2 nos cooling fans, castors mounted, all four sides openable, powder coated, Floor mount | EACH | 1 | 29500 | 29500 |
| 9 | Supplying and fixing 9U wall mount rack (Dimension-DxWxH  – 450x550x500 mm) as per specification (9 U Wall mount Networking Rack, 2 nos cable managers, 6 socket power manager, 1 no cooling fan, powder coated) | EACH | 15 | 3950 | 59250 |
|  | **Total** |  |  |  | 8309330 |
|  | **GRAND TOTAL** |  |  |  | 14918938 |
|  |  | **GST @ 18%** | | | **2,685,408.84** |
|  |  | **TOTAL** | | | **17,604,346.84** |

**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**

75 % Advance

20% On Delivery of Material

5% On Completion

**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.

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.