

Package 2 :- BOQ of EPABX system and PA System work

at Dental center - AIIMS

| S. No. | Item Description | Unit | Qty | Rate (in figures) | Rate (in words) | Amount (in Rs.) |
|------------|--|------|-----|----------------------|--------------------|---------------------|
| 1.0 | <u>EPABX</u> | | | | | |
| 1.1 | Supply , installation, Testing and commissioning (SITC) of fully digital PCM-TDM based 32 bit microprocessor based IP Telephone Exchange system with stored program control , initially configured for 16 Trunk lines, 24 digital extensions and 200 Analog extensions all conforming to ITU-T / CCITT norms having voice mail system , software etc. as required.The Exchange should be expandable to 500 ports by adding cards and peripherals | No | 1 | | | |
| 1.2 | Providing PRI cards for Trunk lines / for tie line with the existing EPABX in AIIMS with necessary cards and hardware , software etc. as required. | Nos | 1 | | | |
| 1.3 | SITC digital operator console with display with Alpha numeric display 28 programmable keys with 2 colour LED's, 3 features Access Keys for LCD DSS console and DSS (Direct Station Selection) keys similar to Siemens's model opti point 500 /equivalent as per specification as required. | No | 1 | | | |
| 1.4 | SITC of Analog push button telephone with Caller ID, flash and radial ; 2 pair cable, similar to Beetel's model-DB 6800 CLIP /equivalent as per specification as required. | No | 10 | | | |
| 1.5 | SITC of Analog push button telephone with flash and radial ; 2 pair cable, similar to Beetel's model-Emerald /equivalent as per specification as required. | No | 20 | | | |
| 1.6 | SITC of digital Executive phone with 3x16 / 2x24 character alpha numeric display, 12 programmable keys with 2 colour LED's etc similar to Siemens model Optipoint 500 / Panasonic's KXT 7433/equivalent etc. as per specification and as required. | Each | 1 | | | |
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|------------|---|-------|-----|----------------------|--------------------|---------------------|
| 2.0 | <u>Power Backup system & Miscellaneous</u> | | | | | |
| 2.1 | PC with pentium IV , 2.6 Ghz or more , CD-RW,FDD, Keypad, mouse, 15" CRT monitor, table, 80 column dot matrix printer (Epson/equivalent) of Compaq/HP/Dell/Lenova as required for billing,administration and maintenance of the EPABX system. | No | 1 | | | |
| 2.2 | SITC of 4 hrs back up power system having battery charger of required capacity, sealed maintenance free batteries bank including painted steel rack and all connecting leads for Exchange system as per requirement and specifications. | No | 1 | | | |
| 2.3 | Supplying, laying, connecting and testing of 2 pair 0.61 mm dia annealed copper conductor PVC insulated PVC sheathed of telephone cable in existing conduit/trunking etc as required. | Meter | 50 | | | |
| 2.4 | Providing, fixing, connecting, testing and commissioning of Telephone cord outlet (RJ-11) with box with moulded plate in recess or on surface moulded type with following including all necessary materials etc as required. | Each | 2 | | | |
| 2.5 | Supplying and fixing of 20 mm PVC channel / 20 mm dia conduit with accessories viz pull box, outlet box with cover, lock nuts, saddles, PVC bushes and necessary materials etc. in surface or in recess including cutting the walls and in case of surfaces conduit fixing of saddles with spaces etc and making good the same as required. | Meter | 50 | | | |
| 2.6 | Providing, Installation, connecting and testing of 200+200 pair MDF as per specification with krone type blocks including all necessary hardware , box etc.as required. | Set | 1 | | | |
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|------------|--|-------|-----|----------------------|--------------------|---------------------|
| 3.0 | <u>PA System</u> | | | | | |
| 3.1 | Supply and installation of wooden enclosed wall mounted 6 watt loudspeaker with 100 volt LMT complete as reqd.(of Philips/Bosch/Equivalent) | Each | 45 | | | |
| 3.2 | SITC of amplifier rack complete with following items duly wired and ready for use (of Philips/Bosch/Equivalent) | | | | | |
| | a) 1 No. Plena power amplifier (480W RMS) LBB 1938/20 of Philips/equivalent | | | | | |
| | b) 1 No. Mixer amplifier LBB 1906/10 of Philips/equivalent & suitable booster amplifier | | | | | |
| | c) 1 No. line matching transformer | | | | | |
| | d) 1 No. Power supply unit | | | | | |
| | e) Mains panel, connection strip, mounting desk etc. as required. | Each | 1 | | | |
| 3.3 | SITC of MS construction amplifier rack for 10 zone console with facility for individually addressing a core or addressing all zones on all call basis. | Each | 1 | | | |
| 3.4 | SITC of gooseneck mike with desk stand similar to Philips LBB9082/00 / reputed make. | Each | 1 | | | |
| 3.5 | Supplying and laying of twin core PVC insulated flexible cable of size 24/0.2 mm in existing conduit. | Meter | 800 | | | |
| 3.6 | Supplying and fixing of 1.6mm thick M.S. box duly painted size 250x250x100mm with required connectors, necessary bridge for mounting as required. | Each | 1 | | | |
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| | TOTAL | | | | | |