



Republic of the Philippines
 DEPARTMENT OF JUSTICE
 BUREAU OF CORRECTIONS
 NBP Reservation, 1776 Muntinlupa City
 TEL.NO. (02) 807-23-68



SUPPLEMENTAL/BID BULLETIN # 1

TO ALL PROSPECTIVE/INTERESTED BIDDERS FOR THE **SUPPLY AND DELIVERY OF ICT INFRASTRUCTURE** WITH APPROVED BUDGET FOR THE CONTRACT (ABC) OF **ELEVEN MILLION ONE HUNDRED THOUSAND PESOS ONLY (₱11,100,000.00)**.

PLEASE BE INFORMED ON THE FOLLOWING AMENDMENTS ON BIDDING DOCUMENTS – TECHNICAL SPECIFICATIONS.

FROM	TO
<p>Fiber Optic Backbone</p> <p>48 Core Fiber Optic Cable Figure 8 Single mode</p> <p>Opti-Core Fiber Optic Distribution Cable shall be used</p> <p>The Contractor shall supply and install multi-core fibre optic cables as the vertical/horizontal backbone cables as noted in this specification and in the drawings/SLD</p> <p>The Contractor shall observe the bending radius and pulling strength requirements of all backbone cables during handling and installation</p> <p>Each optical fibre shall be buffered with colour-coded PVC for identification of multi-core fibre optics cable. The connector type shall be SC connector. 78 7.5The fibre optic cable shall meet the NEC requirements for OFNR or OFNP and comply with Bellcore, FDDI, TIA/EIA-568-C.3, IEC and ICEA standards</p> <p>All Multimode optical fibre cables shall be graded index with core/cladding construction of 50/125 m; the fibre shall be compliant to the performance specifications for OM3 Multimode fibre detailed in ISO11801</p> <p>The fibre optic cable shall be protected by means of either a cable tray or a dedicated fibre routing system at all times. Each end of the fiber optic cable shall contain a slack storage box with approximately three (3) metres of cable slack</p> <p>OM3 Maximum Cable</p>	<p>Fiber Optic Backbone</p> <p>Minimum of 48 Core Fiber Optic Cable Figure 8 Single mode</p> <p>The Contractor shall supply and install multi-core fibre optic cables as the backbone cables using aerial environmental application</p> <p>The Contractor shall observe the bending radius and pulling strength requirements of all backbone cables during handling and installation</p> <p>Fiber shall meet the ITU-T recommendation G.652.D Fibers</p> <p>Dome Fiber Optic Splice Enclosure 8 core Aerial</p> <p>Must include all accessories like Fiber Panel, connectors and others to complete the installation</p>

Attenuation Performance

- Transmission Wavelength: 850nm – 1300nm
- Maximum Attenuation: 3.5 – 1.5

Dome Fiber Optic Splice Enclosure 8 core Aerial

FIBER OPTIC CONNECTOR (SC CONNECTOR)

TIA/EIA-604-3[SC]

Ferrule type: Zirconia ceramic ferrule with a pre-polished fiber stub

Insertion Loss: 0.3dB average (singlemode)

Return Loss: >50dB (multimode)

No special fiber termination tools required

Translucent inner housing assembly facilitates inspection of the fiber termination quality; results in rapid installations, improved termination yields, and lower installed costs

Mechanical cable retention consistently provides higher than industry standard cable 79 retention; requires no adhesive, speeding installation

FIBER OPTIC CONNECTOR (SC CONNECTOR)

TIA/EIA-604-3[SC]

Ferrule type: Zirconia ceramic ferrule with a pre-polished fiber stub

Insertion Loss: 0.3dB average (singlemode)

Return Loss: >50dB (multimode)

No special fiber termination tools required

Translucent inner housing assembly facilitates inspection of the fiber termination quality; results in rapid installations, improved termination yields, and lower installed costs

Mechanical cable retention consistently provides higher than industry standard cable 79 retention; requires no adhesive, speeding installation

FIBER OPTIC PATCH CORD (SC- LC) Singlemode

Pass all TIA/EIA-568-C.3 performance requirements

Insertion loss per connection: 0.10dB

Return loss: 20dB min. (singlemode); 26dB min. (10Gig Singlemode)

100% factory terminated and tested for insertion loss

Meets UL1666 (OFNR) flame ratings

Lifetime traceability of test data to a Q.C. number on each patch cord

Duplex Patch Cords include Duplex Clips to maintain polarity

The Contractor shall supply and install fibre optic patch cords for cross-connection and inter connection of fibre optic connectors in fibre termination trays

The type of fibre optic patch cords to be used shall be selected to suit the type of fibre optic connector that is installed in the corresponding fibre termination tray

FIBER OPTIC PATCH CORD (SC- LC) Singlemode

Pass all TIA/EIA-568-C.3 performance requirements

Insertion loss per connection: 0.10dB

Return loss: 20dB min. (singlemode); 26dB min. (10Gig Singlemode)

100% factory terminated and tested for insertion loss

Meets UL1666 (OFNR) flame ratings

Lifetime traceability of test data to a Q.C. number on each patch cord

Duplex Patch Cords include Duplex Clips to maintain polarity

The Contractor shall supply and install fibre optic patch cords for cross-connection and inter connection of fibre optic connectors in fibre termination trays

The type of fibre optic patch cords to be used shall be selected to suit the type of fibre optic connector that is installed in the corresponding fibre termination tray

Bidders Qualification

No. 1 Bidder must have a PCAB License in Communications Facilities with at least Medium A in range

No. 4 Bidder must have actual or similar deployment with the offered solution

No. 1 Bidder must have a PCAB License in Communications Facilities with at least Small B in range

No. 4 Bidder must have actual or similar deployment/project with the offered solution