

SSGC/CP/EPADS/3Q/2074429

BOQ

Sr. No.	Description	Quantity	Unit	Make/Model	Unit Price	Total price
01	Single mode ITU-T G.652D type 4 core Fiber Optic Cable (as per attached Specs)	2000	Meter			

Total Price:



10911/14

Annex: A

TECHNICAL SPECIFICATIONS FOR Optical Fiber Cable

Sr. No.	Description:	Specifications:
1.	Single type / mode	Single mode ITU-T G.652D
2.	Fiber Count	04
3.	Filler Material	Polyethylene
4.	Loose Tube material	PBT (Polybutylene Terephthalate)
5.	Loose tube filling material	Thixotropic Jelly filled compound
6.	Central strength member	Fiber/Glass Reinforce Plastic (FRP/GRP)
7.	Core Moisture Protection Methodology	Dry Block Design, Water Blocking Yarns/Tapes
8.	Messenger Wire Strahd	7x Galvanized Steel Wires Strand (0.6 mm)
9.	Outer Sheath	HDPE
10.	Fiber Color coding	As per TIA/EIA 598A&C
11.	Cable attenuation @ 1310 nm (DB/KM)	≤ 0.35
12.	Temperature Range	-10 °C to +70 °C
13.	Mode field Diameter, μm	8.6 to 9.5 ± 0.7
14.	Cladding Diameter, μm	125 ± 1
15.	Core clad concentrically error, μm	$\leq 0.8 \mu\text{m}$
16.	Cladding non-Circularity, %	$\leq 2 \%$
17.	Cable cut-off Wavelength, nm	$\leq 1260 \text{ nm}$
18.	Tensile Strength (N) (Max)	3500
19.	Crush Strength (N) (mx)	2500



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Special Terms & Conditions

- Attachment of Technical Literature / Details for quoted items is mandatory along bid documents.
- Name of Brand, Make and Model number should be provided.
- SSGC may ask bidder to provide sample (If required).

