## Section VII. Technical Specifications

Item	Specification	Statement of Compliance
		[Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer's un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances. JPlease state the brand and model being offered
1	DESIGN AND IMPLEMENTATION OF FIBER OPTICS BACKBONE, STRUCTURED CABLING AND INSTALLATION OF ACTIVE NETWORK DEVICES FOR CATANDUANES STATE	office car
THE PERSON NAMED IN COLUMN TWO	Outdoor Onting! Cable Specification	
1	The Fiber cable must be used is multi loose tube cable construction consists of 1 up to 72 cores.	
2	Consist of 250µm optical fibers in 12 fiber gel filled loose tubes with fillers.	
3	With fiber reinforced plastic (FRP) central strength member with water swellable threads and water swellable tape.	
4	Helically applied water blocking e-glass non- metallic strength members with ripcord and black high-density polyethylene (HDPE).	
5	Suitable for internal and external applications.	
6	Color Coded Fiber	
7	Cable cores, number of tube and fiber per tube:	
	12core-3 tubes, 4 core per tube	
8	Central Strength Member- FRP/PE	



	• TIA/EIA 568C.2	2.2
	■ UL, ETL Verified	1.2
	papung Litanpul	7
	• 50 MHz Broadband video	6.1
	■ 1000Base-T Ethernet 4	8.1
	MTA sqd5) 4.2 / 2.4 Mbps 1.2/ 2.4 Gbps 4.10001	7.I
	• 100Base-T Ethernet(IEEE 802.3u)	-
		9.1
	(S.GTEX ISNA) CIMT-9T =	2.1
	Token Ring(IEEE 802.5)	₱ I
	■ 1001/8-AnyLAN(IEEE 802.12)	£.1
	■ Fast Ethernet(IEEE802.3)	1.2
	\$ 50ioV •	I.I
	Application	I
	CAT 6 UTP Cable Specification	
	Bend insensitive fibers G657A/B	7
	Typical 0.15 dB, APC better than 60 dB	
	Max. 0.3dB, UPC better than 50dB. Typical:	
	Optic Performance (Singlemode), Insertion Loss-	I
	SC Pig-Tail Specification	
	Bend insensitive fibers G657A/B	ξ
	Typical 0.15 dB, APC better than 60 dB	
	Max. 0.3dB, UPC better than 50dB. Typical:	
	Optic Performance (Singlemode), Insertion Loss-	7
	Telcordia and RoHS compliant	I
	Fiber Patch Cord Specification	*
The state of the s	plate	TO SERVICE OF THE PARTY OF THE
	Can be preloaded with different type of adapter	9
	accessories	
	High quality fiber management and Structural	ς
	coating spraying	
	High quality sheet metal process and mist surface	<i>t</i>
	SC	
	12, 16, 24, 28, 32, 48, 72, 92 or up to 144 ports	E
	Integrated Splicing Unit	7
	Standard 19" Rack Mountable	I
	Fiber Optic Patch Panel Specification	
	spoms18niS	
	No. of Cove is beove, 12 cove, 48 cove, 72 cove	61
	шу/др	
	Attenuation-1310 <0.35 dB/km, 1550nm-<0.22	81
	та 0221/0151-babdovW	LI
	Opticl Fiber Type- G.652D	91
	005 -sm191	71
	Crush Loading (V), Short terms-1000 and Long	SI
	11 0001 11001 11001 1001 1001	
	0007 - 13 (10 Daily 2000)	
_	Max Tension (N), Short term-4000 and Long term-2000	14
	Meets ROHS requirement Max Tension (N), Short term-4000 and Long term- 2000	13
	Outer Jacket- Polyethylene (HDPE)  Meets ROHS veguirement  Max Tension (N), Short term-4000 and Long  term- 2000	14
	12Cove-7.8mm Outer Jacket- Polyethylene (HDPE) Meets ROHS veguirement Max Tension (N), Short term-4000 and Long term- 2000	13
	Cable Diameter: 72Core-10mm, 48Core-9.5mm, 12Core-7.8mm Outer Jacket- Polyethylene (HDPE) Max Tension (N), Short term-4000 and Long term-2000	11 11
	12Cove-7.8mm Outer Jacket- Polyethylene (HDPE) Meets ROHS veguirement Max Tension (N), Short term-4000 and Long term- 2000	13 17

2.3	• ISO/IEC 11801	
2.4	• EN 50173	
3	Cable Data	
3.1	• No. of Pairs:4	
3.2	Jacket Color: Gray	
3.3	• Insulation Thickness: 0.22mm	
3.4	■ Nom.O.D.:6.5mm	
3.5	■ Flame Rating:CM	
3.6	• Transmission quality verified up to 250MHz	
4	Product Electrical Characteristics	
4.1	■ Impedance: 100±15 ohms	
4.2	Mutual Capacitance, max. nf/ 100m: 5.6	
4.3	• DC Resistance, max. Ohms/100m: 9.38	
4.4	• Capacitance Unbalance(Pair to Ground): 330pf/	
	100m max.	
	CAT 6 Patch Panel Specification	
1	110 Enhanced Cat.6 Patch Panel	
1.1	• UL Listed	
1.2	High performance, exceeds TIA/EIA 568B.2-1	
	Category 6 Hardware transmission performance	
1.3	• 110 and dual type IDC terminatio	
1.4	• 19" 24 port patch panel, 1U size & 48 port	
	panel, 2U size	
1.5	<ul> <li>Accepts 22-26 AWG, stranded or solid wire</li> </ul>	
1.6	• Wiring: T568A/B	
2	Features	
2.1	• Meet TIA/EIA-568-B.2-1 Cat.6 15M Short Link	
	requirements	
2.2	■ 110 and krone dual type IDC termination	
2.3	• 19" 24 port patch panel, 1U size & 48 port	
	panel, 2U size	
2.4	■ Accept 22~24AWG, stranded or solid wire	
2.5	<ul> <li>Short contact design to improve transmission</li> </ul>	
2 (	performance	
2.6	• Modular jack meet FCC part 68	
2.7	• Wiring: T568A/B	
3	Industry Standard	
3.1	• UL Listed	
3.2	* TIA/EIA 568B.2-1	
3.3	• ISO/IEC 11801	
3.4	* EN 50173	
4	Physical	
4.1	• Housing: High-impact, flame-retardant	
	plastic,UL94V-0 rated	
4.2	Contact material: Phosphor Bronze Alloy	
4.3	* Plating: 50u" gold plated over 100u" nickel	
4.4	* Plate: SPCC-SD 16G	
5	Mechanical	
5.1	<ul> <li>Insertion/Extraction life: 750 cycles min</li> </ul>	
5.2	Number of IDC terminations: 200 cycles min	
6	Electrical	
6.1	<ul><li>Insulation resistance: 500 Mega ohms min.</li></ul>	

