

Tender for procurement of Passive Components of LAN & Wi-Fi and their installation

Corrigenda

Sl. No.	Annexure/Clause	For		Read	
		Item	Specifications	Item	Specifications
1.	Annexure-I, Point No. 1.3	24 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed &verified	No Change	110 wiring block at rear end & Fixed RJ 45 CAT 6 panel/unloaded with individually replaceable RJ 45 I/O Jacks,, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed &verified. Revised Annexure-I is attached.
2.	Annexure-I, Point 1.4,	48 Port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high	No Change	110 wiring block at rear end & fixed RJ 45 CAT 6 panel/unloaded with individually replaceable 45 I/O Jacks, 19" rack

			strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed &verified.		mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified. Revised Annexure-I is attached.
3.	Annexure-I, Point 2.3,	Optical Fiber Patch Cord, SM, LC-LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, length of as below with factory mount ceramic connector at both end UL/ETL *R Listed &verified Length – 3 m.	Optical Fiber Patch Cord, SM, SC-LC. Revised Annexure-I is attached.	No Change
4.	Annexure-I, after Point 2.4, Point 2.4a	NIL	NIL	Optical fiber patch cord, MM, OM4, SC-LC. Revised Annexure-I is attached.	Duplex, 50/125 micron MM OM-4 fiber, SC connector at one end and LC connector at another end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified Length - 3m. Revised Annexure-I is attached.
5.	Annexure-I, Point No. 2.5	LIU, 12 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 12 fibers 50/125 micron MM or 12	LIU, 12 Fiber, 1 U/2U Drawer style 19" Rack mount enclosure.	No change

			fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. compatible cable management rings/bars should be provided.	Revised Annexure-I is attached.	
6.	Annexure-I, Point No. 2.6	LIU, 24 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 2U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.	LIU, 24 Fiber, 2 U Drawer style 19" Rack mount enclosure. Revised Annexure-I is attached.	No change
7.	Annexure-I, Point No. 2.7	LIU, 48 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.	LIU, 48 Fiber, 4 U Drawer style 19" Rack mount enclosure. Revised Annexure-I is attached.	No change

Sl. No.	Annexure/Clause	For		Read	
		Item	Specifications	Item	Specifications
8.	Annexure-I, Point No. 4.1	Duct 15x15	PVC, ISI Mart	Duct 15mm x15 mm	PVC, ISI Mark
9.	Annexure-I Point No. 4.2	Duct 45x25	PVC, ISI Mart	Duct 45mm x25 mm	PVC, ISI Mark
10.	Annexure-I Point No. 4.3	Duct 30x25	PVC, ISI Mart	Duct 30mm x25 mm	PVC, ISI Mark
11.	Annexure-I Point No. 4.4	Duct 45x45	PVC, ISI Mart	Duct 45mm x45 mm	PVC, ISI Mark
12.	Annexure-I Point No. 4.5	Conduit Pipe 40 mm	PVC, ISI Mart, OD Size	No change	PVC, ISI Mark , OD Size
13.	Annexure-I Point No. 4.6	Conduit Pipe 40 mm	PVC, ISI Mart, OD Size	No change	PVC, ISI Mark , OD Size
14.	Annexure-I Point No. 4.7	2" HDPE PVC Jacket	PVC, ISI Mart, OD Size	No change	PVC, ISI Mark , OD Size
15.	Annexure-I Point No. 4.8	Buffer Tubing Kit	PVC, ISI Mart, OD Size	No change	PVC, ISI Mark , OD Size
16.	Annexure-XI	Item specification for Passive components of LAN & wi-fi	-	Proforma for technical bid of passive components of LAN & wi-fi. Revised Annexure-XI is attached	-
17.	Annexure III, IV, VI, VII, VIII,IX, XIII, XIV, XV, XVI, XVIII, XIX	UTP Cable CAT 6 Patch Cord 3 Feet		UTP CAT 6 Patch Cord - 1 meter	
18.	Annexure III, IV, VI, VII, VIII,IX, XIII, XIV, XV, XVI, XVIII, XIX	UTP Cable CAT 6 Patch Cord 7 Feet		UTP CAT 6 Patch Cord - 2 meter	

Sl. No.	Annexure/Clause	For		Read	
		Item	Specifications	Item	Specifications
19.	Annexure-IV & XIV, , Point 9 & 10, B. Installation items	NIL	-	Installation Items Added. Revised Annexure-IV for bill of material & Revised Annexure XIV for financial bid are attached.	-
20.	Annexure-V & XVII, Point 1	Optical Fiber Patch Cord, MM, SC to LC – 3 meter	-	Optical Fiber Patch Cord, MM, OM4, SC to LC – 3 meter . Revised Annexure- V for bill of material & Revised Annexure XVII for financial bid are attached.	-
21.	Annexure-VI & XVIII, Point 7	Optical Fiber Patch Cord, OM4, SM, SC to LC – 3 meter	-	Optical Fiber Patch Cord, SM, SC to LC – 3 meter. Revised Annexure-VI for bill of material & Revised Annexure XVIII for financial bid are attached.	-
22.	Annexure-XXII.A,			A new Annexure XXII-A is added. The bidders are required to enter the cost as mentioned in Annexures of Financial bid in this Annexure with grand total. Annexure XXII.A is attached.	

Foot Notes

Sl. No.	Foot Note	Subject
(i)	Foot Note A	A Bidder may quote either the items of given specifications or of higher specifications.
(ii)	Foot Note B	All these items shall be compatible for integration.
(iii)	Foot Note C	Bidders have to indicate the tentative duration of completion of PH, PHA, PLB and New Building separately and simultaneously as per Annexure-XXVIII
(iv)	Foot Note D	Bidders will provide distinct colour marker for LAN & Wi-fi cables and Patch Codes.

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE - I
Revised

Specifications of Passive Components of LAN and Wi-Fi

UTP Components (CAT 6)

Sl. No.	Items	Specifications
1.1	UTP Components (CAT 6)	All specifications for components & cabling to be tested up to 250 Mhz, UL/ETL*R listed & verified, should be registered for follow up program, UL/ETL marking should be embossed/printed on the passive items & their packing
1.2	UTP Cable	4 pair, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT 6) standards for physical & electrical specifications, UL/ETL*R listed & verified should be certified by independent test lab for 1G Gigabit Ethernet Performance up to 100 meter 23 AWG solid bare copper.
1.3	24 Port Patch Panel	110 wiring block at rear end fixed RJ 45 CAT 6 panel/ unloaded with individually replaceable RJ 45 I/O Jacks , 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified
1.4	48 Port Patch Panel	110 wiring block at rear end fixed RJ 45 CAT 6 panel/ unloaded with individually replaceable RJ 45 I/O Jacks , 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed & verified.
1.5	Information outlets	Surface mount box with RJ 45 socket & gang box, should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, provision for dust cover, labeling icons & strips anchors for stain relief cable entry, UL/ETL*R listed & verified. (i) Single (1-port) (ii) Dual (2-port) (iii) Quad (4-port)
1.6	Patch Cord	Should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, Factory molded boots on RJ 45 plugs at both ends, UL/ETL *R listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable. Length – 1 Meter. Length – 2 Meter.
1.7	Wire Manager	19" rack mountable, metallic high strength with metallic jumper rings for routing cable assemblies, mounts to the front of 19" rack of 1U height.

Fiber Components

Sl. No.	Items	Specifications
2.1	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM)	Single mode optical fiber cable, 9.2/125 micron graded index, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tubes, armoring with acrylic coated good quality steel tape, with FRP strength member, water proof tape, double layer of HDPE jacket, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA – 640 standards for Fiber and cable performance specifications. UL/ETL *R listed for fire safety, Required in following configuration 12 fibers.
2.2	Optical Fiber pigtails SC type, 1 meter length	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, U/ETL L*R Listed & verified required for terminating (i) 9.2/125 micron SM fiber
2.3	Optical Fiber Patch Cord, SM, SC-LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, length of as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified Length – 3 m
2.4	Optical fiber patch cord, SM, SC-SC	Duplex, 9.2/125 micron SM fiber, SC connector at both end, length as below with factory mount ceramic connector at both end UL/ETL*R listed and verified Length – 3 meter
2.4.a	Optical fiber patch cord, MM, OM4, SC-LC	Duplex, 50/125 micron MM OM-4 fiber, SC connector at one end and LC connector at another end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified Length - 3m
2.5	LIU, 12 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. compatible cable management rings/bars should be provided.
2.6	LIU, 24 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 2U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.
2.7	LIU, 48 Fiber, 1 U Drawer style 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.

19" Equipment mounting Racks

Sl. No.	Items	Specifications
3.1	19" Rack, Wall Mount, 530 mm depth, 12 U height Front glass door (lockable, toughened 4mm),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs., Have following accessories 19" mountable, 1U, Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker, 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 6 nos. sockets (1 nos.), Cooper earthing kit (19" copper Bar) & equipment mounting screws/hardware packets (2 nos.), Fan tray with two fans (low noise, good quality, ball bearing type, 90 CFM).
3.2	19" Rack, Floor standing 1000 mm, depth, 42 U height Front & back door (lockable) Front glass door (toughened),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs., Quick release locking sides, front & rear door, Have following accessories 19" mountable, 2U, Universal power socket design to fit both round & flat socket with built in surge protection & overload circuit breaker, 15 & 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 5 nos. sockets with individual on/off switch & light indication (4 nos.), Support angles 2 pairs, 800 mm depth Equipment shelves 800 mm depth – 2 nos Castors with brakes Fan tray with four fans (low noise, good quality, ball bearing type, 90 CFM). Earthing kit (19" copper Bar) Mounting screws/hardware packets (5 nos.)

Ducts, Conduit Pipes, HDPE PVC Jacket, Buffer Tubing Kit

4.1	Duct 15mm x 15mm	PVC, ISI Mark
4.2	Duct 45mmx25mm	PVC, ISI Mark
4.3	Duct 30mmx25mm	PVC, ISI Mark
4.4	Duct 45mmx45mm	PVC, ISI Mark
4.5	Conduit Pipe 40mm	PVC, ISI Mark, OD Size
4.6	Conduit Pipe 32mm	PVC, ISI Mark, OD Size
4.7	2" HDPE PVC Jacket	PVC, ISI Mark, OD Size
4.8	Buffer Tubing Kit	PVC, ISI Mark, OD Size

Foot Note

Sl. No.	Foot Note	Subject
(i)	Foot Note A	A Bidder may quote either the items of given specifications or of higher specifications.
(ii)	Foot Note B	All these items shall be compatible for integration.

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -IV
Revised

Bill of Material of Passive Components of Wi-fi Network of Parliament House (PH), New Delhi

A. Supply Items			
Sl. No.	Description	Qty.	Unit
1.	UTP Cable CAT 6 (305 Meters Box)	12	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	65	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 feet	65	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 Feet	65	Per Unit
5.	Wire Manager	13	Per Unit
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	26	Per Unit
7.	Supply of Duct 15x15	650	Meter
8.	Supply of Duct 30x25	400	Meter
9.	Conduit Pipe 40mm	200	Meter
10.	Conduit Pipe 32 mm	200	Meter

B. Installation Items			
Sl. No.	Description	Qty	Unit
1.	Laying of UTP Cable	3575	Meter
2.	Installation of Information Outlet	65	Per Unit
3.	LAN Survey & documentation	65	Per Unit
4.	Installation of Jack panel	65	Per Unit
5.	Testing of Nodes	65	Per Unit
6.	Installation of Wire Manager	13	Per Unit
7.	Installation of Duct 15x15	650	Meter
8.	Installation of Duct 30x25	400	Meter
9.	Installation of Duct 40 mm	200	Meter
10.	Installation of Conduit Pipe 32mm	200	Meter

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -V
Revised

Bill of Material of Passive Components of LAN of Parliament Library Building (PLB), New Delhi

A	Supply Items		
Sl. No.	Item	Qty	Unit
1	Optical Fiber Patch Cord, MM, OM4, SC to LC – 3 meter.	148	Per Unit
2	Optical Fiber Patch Cord, SM, SC to LC – 3 meter.	16	Per Unit
3	19”, Floor standing 42 U Rack	1	Per Unit
B	Installation Items		
Sl. No.	Item	Qty	Unit
1	Fixing of 19”, Floor standing, 42 U Rack	1	Per Unit

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -VI
Revised

Bill of Material of Passive Components of Wi-fi Network of Parliament Library Building (PLB), New Delhi

A	Supply Items		
Sl.No.	Item	Qty	Unit
1.	UTP Cable CAT 6 (305 Meters Box)	4	Per Box
2.	UTP Cable CAT 6 Information Outlet (Single)	24	Per Unit
3.	UTP Cable CAT 6 Patch Cord 3 ft	24	Per Unit
4.	UTP Cable CAT 6 Patch Cord 7 ft	24	Per Unit
5.	Wire Manager	11	Per Unit
6.	Optical Fiber Patch Cord, OM4, MM, SC to LC – 3 meter.	25	Per Unit
7.	Optical Fiber Patch Cord, SM, SC to LC – 3 meter.	18	Per Unit
8.	24 Port Jack Panel (UTP CAT 6)	11	Per Unit
9.	Supply of Duct (15 x 15)	350	Per Unit
10.	Supply of Duct (30 x 25)	175	Per Unit
11.	Supply of Conduit Pipe (40 mm)	90	Per Unit
B.	Installation Items		
Sl. No.	Item	Qty	Unit
1.	Laying of UTP CAT 6 Cable	1320	Meter
2.	Installation of Information Outlet	24	Per Unit
3.	LAN survey & documentation	24	Per Unit
4.	Installation of Jack Panel	24	Per Unit
5.	Testing of Nodes	24	Per Unit
6.	Installation of Conduit Pipe (40 mm)	90	Per Unit
7.	Installation of Duct (15 x 15)	350	Per Unit
8.	Installation of Duct (30 x 25)	175	Per Unit

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -XI
Revised

Proforma for Technical Bid of Passive Components of LAN and Wi-fi
UTP Components (CAT 6)

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
1.1	UTP Components (CAT 6)	All specifications for components & cabling to be tested up to 250 Mhz, UL/ETL*R listed & verified, should be registered for follow up program, UL/ETL marking should be embossed/printed on the passive items & their packing			
1.2	UTP Cable	4 pair, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT 6) standards for physical & electrical specifications, UL/ETL*R listed & verified should be certified by independent test lab for 1G Gigabit Ethernet Performance up to 100 meters 23 AWG solid bare copper.			
1.3	24 Port Patch Panel	110 wiring block at rear end & Fixed RJ 45 CAT 6 panel/ unloaded with individually replaceable RJ 45 I/O Jacks , 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height,			

		confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed &verified.			
1.4	48 Port Patch Panel	110 wiring block at rear end & Fixed RJ 45 CAT 6 panel/ unloaded with individually replaceable RJ 45 I/O Jacks , 19" rack mountable, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U/2U height, confirm EIA/TIA 568 C.2-1 wiring pattern, should have routing rings & ties and labeling strips for identification, UL/ETL*R listed &verified.			
1.5	Information outlets	Surface mount box with RJ 45 socket & gang box, should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, provision for dust cover, labeling icons & strips anchors for stain relief cable entry, UL/ETL*R listed & verified. (i) Single (1-port) (ii) Dual (2-port) (iii) Quad (4-port)			

1.6	Patch Cord	Should confirm or exceed the EIA/TIA 568 C.2-1 standards for CAT 6, Factory molded boots on RJ 45 plugs at both ends, UL/ETL *R listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable. Length – 1 Mtrs. Length – 2 Mtrs.			
1.7	Wire Manager	19" rack mountable, metallic high strength with metallic jumper rings for routing cable assemblies, mounts to the front of 19" rack of 1U height.			

Fiber Components

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
2.1	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM)	Single mode optical fiber cable, 9.2/125 micron graded index, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tubes, armoring with acrylic coated good quality steel tape, with FRP strength member, water proof tape, double layer of HDPE jacket, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA – 640 standards for Fiber and cable performance specifications. UL/ETL *R listed for fire safety, Required in following			

		configuration 12 fibers.			
2.2	Optical fiber pigtails SC type, 1 meter length	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, U/ETL L*R Listed & verified required for terminating (i) 9.2/125 micron SM fiber			
2.3	Optical fiber Patch Cord, SM, SC-LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed &verified Length – 3 m			
2.4	Optical fiber patch cord, SM, SC-SC	Duplex, 9.2/125 micron SM fiber, SC connector at both end, length as below with factory mount ceramic connector at both end UL/ETL*R listed and verified Length – 3 meter			
2.4 (a)	Optical fiber patch cord, MM, OM4, SC-LC.	Duplex, 50/125 micron MM OM-4 fiber, SC connector at one end and LC connector at another end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified Length - 3m			
2.5	LIU, 12 Fiber, 1 U Drawer style, 19"	Loaded with SC/LC couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack			

	Rack mount enclosure	mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. compatible cable management rings/bars should be provided.			
2.6	LIU, 24 Fiber, 1 U/2U, 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 2U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			
2.7	LIU, 48 Fiber, 4 U, 19" Rack mount enclosure	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			
2.7	LIU, 48 Fiber, 1 U Drawer style 19" Rack mount	Loaded with SC/LC couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 4U height with			

	enclosure	removable back cover, should have inbuilt/pre-installed splice tray with all clamps, harnessing rings, ties etc. Front & rear compatible cable management rings/bars should be provided.			
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19" Equipment mounting Racks

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
3.1	19" Rack, Wall Mount, 530 mm depth, 12 U height, Front glass door (lockable, toughened 4mm),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs, Have following accessories 19" mountable, 1U, Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker, 5 AMP AC power distribution channel made of high flame retardant & insulating material, CE approved with 6 nos sockets (1 nos), Cooper earthing kit (19" copper Bar) & equipment mounting screws/hardware packets (2 nos), Fan tray with two fans (low noise, good quality, ball bearing type, 90 CFM).			
3.2	19" Rack, Floor standing 1000 mm, depth, 42 U height Front & back door (lockable) Front glass door (toughened),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear door, Have following accessories 19" mountable, 2U, Universal power socket design to fit both round & flat socket with built in surge protection & overload circuit breaker, 15 & 5 AMP AC power distribution channel made of high			

		<p>flame retardant & insulating material, CE approved with 5 nos, sockets with individual on/off switch & light indication (4 nos), Support angles 2 pairs, 800 mm depth Equipment shelves 800 mm depth – 2 nos, Castors with brakes ,Fan tray with four fans (low noise, good quality, ball bearing type, 90 CFM). Earthing kit (19" copper Bar) Mounting screws/hardware packets- 5 nos.</p>			
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Ducts, Conduit Pipes, HDPE PVC Jacket, Buffer Tubing Kit

Sl. No.	Item	Specification required	Specification quoted	Deviation, if any	Whether deviation is on higher side or lower side to the required specification.
4.1	Duct 15 mm x 15 mm	PVC, ISI Mark			
4.2	Duct 45mm x 25mm	PVC, ISI Mark			
4.3	Duct 30 mm x 25 mm	PVC, ISI Mark			
4.4	Duct 45 mm x 45 mm	PVC, ISI Mark			
4.5	Conduit Pipe 40mm	PVC, ISI Mark, OD Size			
4.6	Conduit Pipe 32mm	PVC, ISI Mart, OD Size			
4.7	2" HDPE PVC Jacket	PVC, ISI Mark, OD Size			

4.8	Buffer Tubing Kit	PVC, ISI Mark, OD Size			
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- (i) Foot Note A
A Bidder may quote either the items of given specifications or of higher specifications.

- (ii) Foot Note B
All these items shall be compatible for integration.

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -XIV
Revised

Proforma of Financial Bid Passive Components of Wi-Fi Network of Parliament House (PH), New Delhi

A.	Supply Items					
Sl. No.	Item	Qty.	Unit	Unit Price (in Rs.)	VAT Per Unit (in Rs.)	Total Unit Price (in Rs.)
1.	UTP Cable CAT 6 (305 Meters Box)	12	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	65	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 feet	65	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 Feet	65	Per Unit			
5.	Wire Manager	13	Per Unit			
6.	Optical Fiber Patch Cord, SM, SC to LC-3 Meter	26	Per Unit			
7.	Supply of Duct 15x15	650	Meter			
8.	Supply of Duct 30x25	400	Meter			
9.	Conduit Pipe 40 mm	200	Meter			
10.	Conduit Pipe 32 mm	200	Meter			

A. Installation Items

Sl. No.	Item	Quantity	Unit	Unit Price (in Rs.)	Service per (in Rs.)	Tax Unit	Total Unit price (in Rs.)
1.	Laying of UTP Cable	3575	Meter				
2.	Installation of Information Outlet	65	Per Unit				
3.	LAN Survey & documentation	65	Per Unit				
4.	Installation of Jack panel	65	Per Unit				
5.	Testing of Nodes	65	Per Unit				
6.	Installation of Wire Manager	13	Per Unit				
7.	Installation of Duct 15x15	650	Meter				
8.	Installation of Duct 30x25	400	Meter				
9.	Installation of Duct 40 mm	200	Meter				
10.	Installation of Duct 32 mm	200	Meter				
Total Price (in Rs.)							

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -XVII

Revised

Proforma for Financial Bid of Passive Components of LAN of Parliament Library Building (PLB), New Delhi

A	Supply Items					
Sl. No.	Item	Qty	Unit	Unit Price (in Rs.)	VAT Per Unit (in Rs.)	Total Unit Price (in Rs.)
1	Optical Fiber Patch Cord, MM, OM4, SC to LC – 3 meter.	148	Per Unit			
2	Optical Fiber Patch Cord, SM, SC to LC – 3 meter.	16	Per Unit			
3	19”, Floor standing, 42 U, Rack	1	Per Unit			
B	Installation Items					
Sl. No.	Item	Qty	Unit	Unit Price (in Rs.)	Service Tax Per Unit (in Rs.)	Total Unit Price (in Rs.)
1	Fixing of 19”, Floor standing, 42 U, Rack	1	Per Unit			
Total Price (In Rs.)						

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -XVIII
Revised

**Proforma for Financial Bid of Passive Components of Wi-fi Network of Parliament Library Building (PLB),
New Delhi**

A		Supply Items				
Sl. No.	Item	Qty	Unit	Unit Price (in Rs.)	VAT Per Unit (in Rs.)	Total Unit Price (in Rs.)
1.	UTP Cable CAT 6 (305 Meters Box)	4	Per Box			
2.	UTP Cable CAT 6 Information Outlet (Single)	24	Per Unit			
3.	UTP Cable CAT 6 Patch Cord 3 ft	24	Per Unit			
4.	UTP Cable CAT 6 Patch Cord 7 ft	24	Per Unit			
5.	Wire Manager	11	Per Unit			
6.	Optical Fiber Patch Cord, OM4, MM, SC to LC – 3 meter.	25	Per Unit			
7.	Optical Fiber Patch Cord, SM, SC to LC – 3 meter.	18	Per Unit			
8.	24 Port Jack Panel (UTP CAT 6)	11	Per Unit			
9.	Supply of Duct (15 x 15)	350	Per Unit			
10.	Supply of Duct (30 x 25)	175	Per Unit			
11.	Supply of Conduit Pipe (40 mm)	90	Per Unit			
B.		Installation Items				
Sl. No.	Item	Qty	Unit	Unit Price (in Rs.)	Service Tax Per Unit (in Rs.)	Total Unit Price (in Rs.)
1.	Laying of UTP CAT6 Cable	1320	Meter			
2.	Installation of Information Outlet	24	Per Unit			
3.	LAN survey & documentation	24	Per Unit			
4.	Installation of Jack Panel	24	Per Unit			
5.	Testing of Nodes	24	Per Unit			
6.	Installation of Conduit Pipe (40 mm)	90	Per Unit			
7.	Installation of Duct (15 x 15)	350	Per Unit			
8.	Installation of Duct (30 x 25)	175	Per Unit			
Total Price (In Rs.)						

Tender for Passive Components for LAN and Wi-Fi

ANNEXURE -XXII A

Proforma for financial bid for all the Buildings and requirement.

Sl.No.	Item	Total Bid Value (in Rs.)
1	Annexure-XII	
2.	Annexure-XIII	
3	Annexure-XIV	
4.	Annexure-XV	
5.	Annexure-XVI	
6.	Annexure-XVII	
7.	Annexure-XVIII	
8.	Annexure-XIX	
9.	Annexure-XX	
10.	Annexure-XXI	
11.	Annexure-XXII	
	Grand Total	

Tender for Passive Components of LAN & Wi-fi

Annexure-XXVIII

Time of Completion of Buildings

Sl. No.	Name of Building	Duration of Completion (in days)	Duration of Simultaneous Completion (in days)
1.	Parliament House (PH)		
2.	Parliament Library Building (PLB)		
3.	Parliament House Annexe (PHA)		
4.	New Building of Parliament House Annexe (New PHA)		