

NAME OF THE PARTY:

LIMITED TENDER

Preamble Of Tender:- Electronics Corporation of Tamil Nadu Limited (ELCOT), a wholly owned Government of Tamil Nadu Undertaking is the Optional Procurement Agency of the Government of Tamil Nadu for procurement of IT related products like Computers, Printers, Other Peripherals and Software as per G.O. Ms. No. 58, Finance (BPE) Department, Dated 16.02.1999. Accordingly, ELCOT has been procuring various IT related products to all the State Government Departments / Boards / Autonomous Bodies etc. As part of the Procurement activities, ELCOT float this tender inviting bid for the Supply, Installation and commissioning of Networking components for LAN Cabling work to Tamil Nadu Milk Producers Federation Ltd (Aavin).

Short Title used in the Tender Document:

1. **Bidder:** Bidder means the party who makes a formal offer in pursuance of the tender floated.
2. **Successful Bidder:** Successful Bidder means the Bidder who becomes Successful through the tender process.
3. **Day:** A day means a Calendar Day.
4. **Purchaser:** Purchaser means the end user for whom the procurement is indented through the tender.

Tender Schedule:

a)	Tender No.	ELCOT/PROC/LT/33834/Networking Components/2024-25
b)	Type of Tender	LIMITED TENDER – Single part bid
c)	Tendered Items	Supply, installation and commissioning of Networking components for LAN Cabling work to Tamil Nadu Milk Producers Federation Ltd (Aavin)
d)	Delivery	Tamil Nadu Milk Producers Federation Ltd (Aavin) throughout Tamil Nadu
e)	Due Date & Time for Submission of Tenders	08.10.2024 @ 4.00 PM.
f)	Opening Date & Time	08.10.2024 @ 5.00 PM.

EMD: The EMD Amount of Rs. 20,000/- (Rupees Twenty Thousand Only) along with bid should be submitted through a Demand draft drawn in favor of “Electronics Corporation of Tamil Nadu Limited”, Chennai. (OR) through NEFT/RTGS to the Following Bank Account, (or) EMD is waived off for the bidder having valid MSME/NSIC/SSI for the relevant category.

Name of the Bank & Branch	State Bank of India, Saidapet
SBI A/c No.	10610747091
IFS Code	SBIN0000912
MICR No.	600002045

MODE OF DESPATCH: Tenders should be addressed to the MANAGING DIRECTOR – ELCOT (by Designation only) and superscribed with the tender number and sent in sealed cover either by Registered post with acknowledgment due or in person. Tenders received in ordinary cover without a seal will not be considered. Bids received after the due date and Time will not be accepted. Delays in postal transit will not be accepted as a valid reason for late submission. The Tender Document is not transferable to any other bidder.

IMPORTANT NOTE: TENDERER MUST SUBMIT THIS ORIGINAL TENDER DOCUMENT WITH THEIR SIGNATURE, AND SEAL WITHOUT MISSING ANY OF THE PAGES. Price bid must be submitted in the bidder’s company letter head.

The tenders received on SPECIFIED DUE DATE & TIME will be opened at ELCOT, 692, Anna Salai, Nandanam, Chennai – 600 035 in the presence of the bidders who choose to be present. If sufficient response is not received on the due date of opening, ELCOT reserves its right to extend the due date for submission of tenders inviting more bids or cancel the tender.

Items tendered:

Sl. No.	Product Code	Description
1.	33834-001	9U Wall Mount Rack
2.	33834-002	12U Wall Mount Rack
3.	33834-003	CAT 6 cable 4 pair UTP Cable with laying charges
4.	33834-004	6 Port Fully Loaded LIU / Fiber Patch Panel
5.	33834-005	12 Port Fully Loaded LIU / Fiber Patch Panel
6.	33834-006	24 Port Fully Loaded LIU / Fiber Patch Panel
7.	33834-007	L2 Managed 8 ports POE switch

8.	33834-008	L2 Managed 24 ports POE switch
9.	33834-009	4U Wall Mount Rack
10.	33834-010	6U Wall Mount Rack
11.	33834-011	L2 Managed 8 ports switch
12.	33834-012	L2 Managed 24 ports switch
	Add on items	
13.	33834-ADD-001	Power Strip 3 Pin 5A & 4 Socket with surge Protector and MCB
14.	33834-ADD-002	90Cfm Fans, 115~240V AC Fan for rack
15.	33834-ADD-003	1" PVC/Conduit pipe per mtr
16.	33834-ADD-004	Shuttered Flush mount Face plate Single socket
17.	33834-ADD-005	Back Box for Face plate
18.	33834-ADD-006	Cat6 key stone I/O, EIA/TIA-568-C Certified
19.	33834-ADD-007	CAT 6 UTP stranded copper wire, EIA/TIA-568-C Certified 2M Factory Crimped Patch cord
20.	33834-ADD-008	Cat 6 - 24 Port fully loaded Shuttered Patch Panel with built-in rear cable Manager, EIA/TIA-568-C complied with cable termination charges
21.	33834-ADD-009	OFC Outdoor Armored 6 core unitube SM 9/125micron, jelly filled loose tube, Corrugated ECCS Tape armour, Steel Wire Strength Member armor, anti rodent, HDPE outer Stealth with UV compliant with laying charges
22.	33834-ADD-010	Digging and refilling hardsoil/concrete cutting (3 feet depth) per meter including restoration
23.	33834-ADD-011	HDPE pipe 32mm for encapsulating the fiber cable per mtr with laying charges
24.	33834-ADD-012	Fiber Patch Cord LC-LC SM 3Mtr, Duplex, 9/125 micron and 2mm or better thickness
25.	33834-ADD-013	1G SM Duplex SFP Module support 10KM Distance
26.	33834-ADD-014	Digging and refilling soft earth (3 feet depth)per meter including restoration
27.	33834-ADD-015	Power Strip 6 Pin 5/15A &12 Socket with surge Protector and MCB
28.	33834-ADD-016	Shuttered Flush mount Face plate Dual socket
29.	33834-ADD-017	Shuttered Flush mount Face plate Quad socket
30.	33834-ADD-018	CAT 6 UTP stranded copper wire,EIA/TIA-568-C Certified 1M Factory Crimped Patch cord

31.	33834-ADD-019	CAT 6 UTP stranded copper wire,EIA/TIA-568-C Certified 3M Factory Crimped Patch cord
32.	33834-ADD-020	Fiber Patch Cord SC-LC MM 3Mtr, SC to LC , Duplex, 50/125 micron and 2mm or better thickness
33.	33834-ADD-021	Fiber Patch Cord SC-SC MM 3Mtr, SC to SC, Duplex, 50/125 micron and 2mm or better thickness
34.	33834-ADD-022	Fiber Patch Cord LC-LC MM 3Mtr, LC to LC, Duplex, 50/125 micron and 2mm or better thickness
35.	33834-ADD-023	Fiber Patch Cord SC-LC SM 3Mtr, SC to LC, Duplex, 9/125 micron and 2mm or better thickness
36.	33834-ADD-024	Fiber Patch Cord SC-SC SM 3Mtr, SC to SC, Duplex, 9/125 micron and 2mm or better thickness
37.	33834-ADD-025	Fiber pigtail 1Mtr, SC Simplex MM
38.	33834-ADD-026	Fiber pigtail 1Mtr, LC Simplex MM
39.	33834-ADD-027	Fiber pigtail 1Mtr,SC Simplex SM
40.	33834-ADD-028	Fiber pigtail 1Mtr, LC Simplex SM
41.	33834-ADD-029	1G MM Duplex Media Convertor support 550m Distance, SC Connector
42.	33834-ADD-030	1G SM Duplex Media Convertor support 10KM, Distance, SC Connector
43.	33834-ADD-031	10G MM Duplex SFP+ Module support 300m Distance
44.	33834-ADD-032	10G SM Duplex SFP+ Module support 10Km Distance

1) **LAN Cabling Work to be carried out:** Immediately based on the email confirmation from ELCOT.

2) **Delivery and Installation:** Within 28 days from the date of issue of purchase order at the respective purchaser locations.

3) **Price Bid Evaluation:**

The total value including all taxes, duties and other charges for all the items will be taken up for Price Bid evaluation. The Bidders who quote L1 Price for the total value of items will be called as L1 Bidder. Partial quote is not allowed. However, the L1 Bidder has to match the L1 Prices of line items in case they have not become L1 for these line items.

4) **Validity of the Tender:** One year or Rs.25,00,000/- (including GST) whichever is earlier.

5) **Payment Terms:** 100% of the total cost of ordered items will be paid by ELCOT on behalf of the purchaser, after receipt of funds from the purchaser, on delivery on proof of delivery of the ordered items and on submission of Performance Bank Guarantee for 5% of total order value.

6) **Liquidated Damages for Non-Fulfillment of Purchase Order:** 0.25% PER Day on the undelivered portion of the value subject to a maximum of 5%, if the supply, installation and commissioning has not been completed in full within the stipulated delivery period.

7) **Penalty for Non-Fulfillment of conditions:**

In the event of non-fulfillment or non-observance of any of the conditions stipulated in the tender document and Purchase order, the successful bidder should pay the penalty amount equivalent to 10 (ten) per cent of total value of purchase order or an amount equal to the actual loss incurred by the purchaser whichever is higher.

8) **GFR Compliance:**

The Bidder shall comply with the GFR with respect to procurement from country which shares a land border with India as per GFR Rules.

9) **Warranty:** 3 years

SPECIFICATIONS

Item Code		Item Description
33834-001		9U Wall Mount Rack
S.No	Parameter	Specification
1	Height & Dimension	Height 9U, Width 550 mm and Depth 550mm
2	Material Thickness	0.8mm or better
3	Loading capacity	35KG \pm 10% or better Loading capacity
4	Front Door	4mm toughened Glass door with Lock and Key
5	Cabinet Material	Powder coated CRCA sheet
6	Mounting	Wall Mount equipped with 1.2 mm mounting angle
7	Form Factor	Rack Mount/DIN Rail
8	General	Rubber Closure for cable entry holes 19"Adjustable rails in the front and rear, Top and bottom cable entry facility Hardware Screw pocket included

Item Code		Item Description
33834-002		12U Wall Mount Rack
S.No	Parameter	Specification
1	Height & Dimension	Height 12U, Width 550 mm and Depth 600 mm
2	Material Thickness	1mm or better
3	Loading capacity	40KG \pm 10% or better Loading capacity
4	Front Door	4mm toughened Glass door with Lock and Key
5	Cabinet Material	Powder coated CRCA sheet
6	Mounting	Wall Mount equipped with 1.6 mm mounting angle
7	Form Factor	Rack Mount/DIN Rail
8	General	Rubber Closure for cable entry holes 19"Adjustable rails in the front and rear, Top and bottom cable entry facility Hardware Screw pocket included

Item Code		Item Description
33834-003		CAT 6 cable 4 pair UTP Cable with laying charges
S.No.	Parameter	Tender Specifications
1	Standard Length	305 Meters (1000 Feet) Per Box package
2	Cable Type	4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half separator shall not be accepted. Support for Fast and Gigabit Ethernet. Sequential meter marking shall be done in the cable.

3	Conductor	Metal –Solid Bare copper
		Diameter- 23 AWG (0.57 mm +/- 0.015 mm)
4	Sheath	Fire Retardant PVC Compound (FRPVC)
5	Bandwidth	Cable shall meet the transmission characteristics specified to 250 MHz
6	Performance characteristics	Cable shall be compliant with ANSI/TIA-568.2-D channel performance and it shall be ANSI/TIA-568.2-D certified.
7	Certification	UL,IEC 60332-1

Item Code		Item Description
33834-004		6 Port Fully Loaded LIU / Fiber Patch Panel
S.No	Parameter	Specification
1	Mount	1U Rack Mount, Modular type
2	Cable Entry/Exit	Should have at least one cable entry and one exit with Glands
3	Splice tray	Should be fitted with 6 core Splice tray
4	Adaptor plate	Should be fitted with 6 Core support removable Adaptor plate
5	SM Adaptor	Loaded with 3# of Duplex LC/SC Adaptor with Zirconia Sleeve for SM/MM Fiber
6	Pigtail	Loaded with 6# of Pigtail LC/SC for SM/MM fiber 1Mtr length and 0.9 mm thickness

Item Code		Item Description
33834-005		12 Port Fully Loaded LIU / Fiber Patch Panel
S.No	Parameter	Specification
1	Mount	1U Rack Mount, Modular type
2	Cable Entry/Exit	Should have at least one cable entry and one exit with Glands
3	Splice tray	Should be fitted with 12 core Splice tray
4	Adaptor plate	Should be fitted with 12 Core support removable Adaptor plate
5	SM Adaptor	Loaded with 6# of Duplex LC/SC Adaptor with Zirconia Sleeve for SM/MM Fiber
6	Pigtail	Loaded with 12# of Pigtail LC/SC for SM/MM fiber 1Mtr length and 0.9 mm thickness

Item Code		Item Description
33834-006		24 Port Fully Loaded LIU / Fiber Patch Panel
S.No	Parameter	Specification
1	Mount	1U Rack Mount, Modular type
2	Cable Entry/Exit	Should have at least one cable entry and one exit with Glands
3	Splice tray	Should be fitted with 24 core Splice tray
4	Adaptor plate	Should be fitted with 24 Core support removable Adaptor plate
5	SM Adaptor	Loaded with 12# of Duplex LC/SC Adaptor with Zirconia Sleeve for SM/MM Fiber
6	Pigtail	Loaded with 24# of Pigtail LC/SC for SM/MM fiber 1Mtr length and 0.9 mm thickness

Item Code		Item Description
33834-007		L2 Managed 8 ports POE switch
S.No	Parameter	Specification
1	Ports	8 x 10/100/1000Base-T + 2 x 100/1000Base-X (SFP)
2	Performance	Shall support 20 Gbps Switching Capacity and 14.88 Mpps forwarding rate
3	ACL & Vlan Table	Shall support minimum 750 ACL Table & 4K Vlan, 8K Mac Address
4	Vlan	Port Based Vlan, IEEE802.1Q, Voice Vlan
5	Multicast Functions	IGMP v1/v2 snooping, IGMP Fast Leave
6	Security Features	Mac Based ACL, IP based ACL, MAC-IP ACL, User-Defined ACL, Time range ACL, VLAN ACL, Port Security, ARP Binding, AAA, IEEE 802.1x, TACACS+, Radius
7	DHCP Management	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Snooping, Option 82
8	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard/Restriction, BPDU Forwarding, Loop back Detection
9	Management Port	Must Have RJ45 Port (Out of Band or In Band Management)
10	Operation Management	TFTP/FTP CLI/Https, Telnet, SSH (IPv4/IPv6), SNMPv1/v2c/v3, Private MIB interface
11	POE Protocols	IEEE 802.3af POE(15.4W) and IEEE 802.3at POE+ (30W) support on all ports
12	POE Budget	120 Watts or better
13	IPv6 Features	Support IPv4/v6 Dual stack
14	Operating Temperature	Operating Temperature : 0 °C ~ 50 °C
15	Certificate	CE, FCC, UL 60950,MTCTE

Item Code		Item Description
33834-008		L2 Managed 24 ports POE switch
S.No	Parameter	Specification
1	Ports	24 x 10/100/1000Base-T POE Ports + 4 x 1G (SFP Slot)
2	Performance	Shall support 56Gbps Switch Capacity and 41.7 Mpps forwarding rate
3	ACL & Vlan Table	Shall support minimum 750 ACL Table & 4K Vlan, 8K Mac Address
4	Vlan	Port Based Vlan, Private Vlan, IEEE802.1Q, Protocol Based Vlan, Voice Vlan
5	Multicast Functions	IGMP v1/v2 snooping, IGMP Fast Leave
6	Security Features	Mac Based ACL, IP based ACL, MAC-IP ACL, User-Defined ACL, Time range ACL, VLAN ACL, Port Security, ARP Binding, AAA, IEEE 802.1x, TACACS+, Radius
7	DHCP Management	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Snooping, Option 82
8	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard/Restriction, BPDU Forwarding, ITU-T G.8032, Loop back Detection
9	Management Port	Must Have RJ45 Console Port (Out of Band)
10	Operation Management	TFTP/FTP CLI, Telnet, Console, Web/SSL (IPv4/IPv6), SSH (IPv4/IPv6), SNMPv1/v2c/v3, Private MIB interface
11	POE Protocols	IEEE 802.3af POE(15.4W) and IEEE 802.3at POE+ (30W) support on all ports
12	POE Budget	350 Watts or better
13	IPv6 Features	Support IPv4/v6 Dual stack
14	Operating Temperature	Operating Temperature : 0 °C ~ 50 °C
15	Certificate	CE , FCC, UL 60950,MTCTE
16	Stacking	Switch shall support stacking by having dedicated stacking ports and necessary stacking cable shall be provided from day 1.

Item Code		Item Description
33834-009		4U Wall Mount Rack
S.No	Parameter	Specification
1	Height & Dimension	Height 4U, Width 550 mm and Depth 450 mm
2	Material Thickness	0.8mm or better
3	Loading capacity	25KG ± 10% or better Loading capacity
4	Front Door	4mm toughened Glass door with Lock and Key
5	Cabinet Material	Powder coated CRCA sheet
6	Mounting	Wall Mount equipped with 1.2 mm mounting angle

7	Form Factor	Rack Mount/DIN Rail
8	General	Rubber Closure for cable entry holes 19" Adjustable rails in the front and rear, Top and bottom cable entry facility Hardware Screw pocket included

Item Code		Item Description
33834-010		6U Wall Mount Rack
S.No	Parameter	Specification
1	Height & Dimension	Height 6U, Width 550 mm and Depth 500 mm
2	Material Thickness	0.8mm or better
3	Loading capacity	30KG \pm 10% or better Loading capacity
4	Front Door	4mm toughened Glass door with Lock and Key
5	Cabinet Material	Powder coated CRCA sheet
6	Mounting	Wall Mount equipped with 1.2 mm mounting angle
7	Form Factor	Rack Mount/DIN Rail
8	General	Rubber Closure for cable entry holes 19" Adjustable rails in the front and rear, Top and bottom cable entry facility Hardware Screw pocket included

Item Code		Item Description
33834-011		L2 Managed 8 ports switch
S.No	Parameter	Specification
1	ports	8 x 10/100/1000 Base-T & 2 x 100/1000Base-X (SFP)
2	Performance	Shall support 20 Gbps Switching Capacity and 14.88 Mpps forwarding rate
3	ACL & Vlan Table	Shall support minimum 750 ACL Table & 4K Vlan, 8K Mac Address
4	Vlan	Port Based Vlan, IEEE802.1Q, Voice Vlan
5	Multicast Functions	IGMP v1/v2, IGMP Fast Leave
6	Security Features	Mac Based ACL, IP based ACL, MAC-IP ACL, User-Defined ACL, Time range ACL, VLAN ACL, Port Security, ARP Binding, AAA, IEEE 802.1x, TACACS+, Radius
7	DHCP Management	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Snooping, Option 82

8	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard/Restriction, BPDU Forwarding, Loop back Detection
9	Management Port	Must Have RJ45 Port (Out of Band or In Band Management)
10	Operation Management	TFTP/FTP CLI/Https, Telnet, SSH (IPv4/IPv6), SNMPv1/v2c/v3, Private MIB interface
11	IPv6 Features	Support IPv4/v6 Dual stack
12	Operating Temperature	Operating Temperature : 0 °C ~ 50 °C
13	Certificate	CE, FCC, UL 60950,MTCTE

Item Code		Item Description
33834-012		L2 Managed 24 ports switch
S.No	Parameter	Specification
1	ports	24 x 10/100/1000Base-T Ports + 4 x 1G (SFP Slot)
2	Performance	Shall support 56 Gbps Switch Capacity and 41.7 Mpps forwarding rate
3	ACL & Vlan Table	Shall support minimum 750 ACL Table & 4K Vlan, 8K Mac Address
4	Vlan	Port Based Vlan, Private Vlan, IEEE802.1Q, Protocol Based Vlan, Voice Vlan
5	Multicast Functions	IGMP v1/v2, IGMP Fast Leave
6	Security Features	Mac Based ACL, IP based ACL, MAC-IP ACL, User-Defined ACL, Time range ACL, VLAN ACL, Port Security, ARP Binding, AAA, IEEE 802.1x, TACACS+, Radius
7	DHCP Management	IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Snooping, Option 82
8	Spanning Tree	802.1D STP, 802.1W RSTP, 802.1S MSTP, Root Guard/Restriction, BPDU Forwarding, ITU-T G.8032, Loop back Detection
9	Management Port	Must Have RJ45 Console Port (Out of Band)
10	Operation Management	TFTP/FTP CLI, Telnet, Console, Web/SSL (IPv4/IPv6), SSH (IPv4/IPv6), SNMPv1/v2c/v3, Private MIB interface
11	IPv6 Features	Support IPv4/v6 Dual stack
12	Operating Temperature	Operating Temperature : 0 °C ~ 50 °C
13	Certificate	CE ,FCC, UL 60950,MTCTE
14	Stacking	Switch shall support stacking by having dedicated stacking ports and necessary stacking cable shall be provided from day 1.

PRICE BID

Name of the bidder:							
Sl. No.	Product Code	Description	Qty. in Nos.	Unit Price (including Packing, Forwarding, Insurance) without Taxes Rs.	Applicable GST in %	Applicable GST in Rs.	Unit Price inclusive of GST (5+7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	33834-001	9U Wall Mount Rack	1				
2.	33834-002	12U Wall Mount Rack	1				
3.	33834-003	CAT 6 cable 4 pair UTP Cable with laying charges	1				
4.	33834-004	6 Port Fully Loaded LIU / Fiber Patch Panel	1				
5.	33834-005	12 Port Fully Loaded LIU / Fiber Patch Panel	1				
6.	33834-006	24 Port Fully Loaded LIU / Fiber Patch Panel	1				
7.	33834-007	L2 Managed 8 ports POE switch	1				
8.	33834-008	L2 Managed 24 ports POE switch	1				
9.	33834-009	4U Wall Mount Rack	1				
10.	33834-010	6U Wall Mount Rack	1				
11.	33834-011	L2 Managed 8 ports switch	1				
12.	33834-012	L2 Managed 24 ports switch	1				
	Add on items						
13.	33834-ADD-001	Power Strip 3 Pin 5A & 4 Socket with surge Protector and MCB	1				
14.	33834-ADD-002	90Cfm Fans, 115~240V AC Fan for rack	1				
15.	33834-ADD-003	1" PVC/Conduit pipe per mtr	1				
16.	33834-ADD-004	Shuttered Flush mount Face plate Single socket	1				

17.	33834-ADD-005	Back Box for Face plate	1				
18.	33834-ADD-006	Cat6 key stone I/O, EIA/TIA-568-C Certified	1				
19.	33834-ADD-007	CAT 6 UTP stranded copper wire, EIA/TIA-568-C Certified 2M Factory Crimped Patch cord	1				
20.	33834-ADD-008	Cat 6 - 24 Port fully loaded Shuttered Patch Panel with built-in rear cable Manager, EIA/TIA-568-C complied with cable termination charges	1				
21.	33834-ADD-009	OFC Outdoor Armored 6 core unitube SM 9/125micron, jelly filled loose tube, Corrugated ECCS Tape armour, Steel Wire Strength Member armor, anti rodent, HDPE outer Stealth with UV compliant with laying charges	1				
22.	33834-ADD-010	Digging and refilling hardsoil/concrete cutting (3 feet depth) per meter including restoration	1				
23.	33834-ADD-011	HDPE pipe 32mm for encapsulating the fiber cable per mtr with laying charges	1				
24.	33834-ADD-012	Fiber Patch Cord LC-LC SM 3Mtr, Duplex, 9/125 micron and 2mm or better thickness	1				
25.	33834-ADD-013	1G SM Duplex SFP Module support 10KM Distance	1				
26.	33834-ADD-014	Digging and refilling soft earth (3 feet depth)per meter including restoration	1				
27.	33834-ADD-015	Power Strip 6 Pin 5/15A &12 Socket with surge Protector and MCB	1				

28.	33834-ADD-016	Shuttered Flush mount Face plate Dual socket	1				
29.	33834-ADD-017	Shuttered Flush mount Face plate Quad socket	1				
30.	33834-ADD-018	CAT 6 UTP stranded copper wire,EIA/TIA-568-C Certified 1M Factory Crimped Patch cord	1				
31.	33834-ADD-019	CAT 6 UTP stranded copper wire,EIA/TIA-568-C Certified 3M Factory Crimped Patch cord	1				
32.	33834-ADD-020	Fiber Patch Cord SC-LC MM 3Mtr, SC to LC , Duplex, 50/125 micron and 2mm or better thickness	1				
33.	33834-ADD-021	Fiber Patch Cord SC-SC MM 3Mtr, SC to SC, Duplex, 50/125 micron and 2mm or better thickness	1				
34.	33834-ADD-022	Fiber Patch Cord LC-LC MM 3Mtr, LC to LC, Duplex, 50/125 micron and 2mm or better thickness	1				
35.	33834-ADD-023	Fiber Patch Cord SC-LC SM 3Mtr, SC to LC, Duplex, 9/125 micron and 2mm or better thickness	1				
36.	33834-ADD-024	Fiber Patch Cord SC-SC SM 3Mtr, SC to SC, Duplex, 9/125 micron and 2mm or better thickness	1				
37.	33834-ADD-025	Fiber pigtail 1Mtr, SC Simplex MM	1				
38.	33834-ADD-026	Fiber pigtail 1Mtr, LC Simplex MM	1				
39.	33834-ADD-027	Fiber pigtail 1Mtr,SC Simplex SM	1				
40.	33834-ADD-028	Fiber pigtail 1Mtr, LC Simplex SM	1				

41.	33834-ADD-029	1G MM Duplex Media Convertor support 550m Distance,SC Connector	1				
42.	33834-ADD-030	1G SM Duplex Media Convertor support 10KM, Distance, SC Connector	1				
43.	33834-ADD-031	10G MM Duplex SFP+ Module support 300m Distance	1				
44.	33834-ADD-032	10G SM Duplex SFP+ Module support 10Km Distance	1				
		Total					