DAYALBAGH EDUCATIONAL INSTITUTE
DAYALBAGH, AGRA-282005

Notice Inviting tenders

Limited tender No: DEI/Science/Physics-SSNL(CMM)/TDR- 22 Date: 10-12-2015

Sealed limited tenders are invited from the Contractors /suppliers/Authorized dealers/ OEM for the following LAN Network's items described as below:

Specification of Items		
S.No.	**Name of Item**	**Quantity**
1	LAN Armoured Cable CAT 6 (Make - Amp)	5000 mtr
2	8 Port PoE Smart Switch (Make -Dlink/Netgear etc)	35
3	Cisco SG300-28 network Switch with SFP Modules	6
4	9U Rack with PDU (Make Dlink or equivalent)	20
5	POE Injector (Make TPlink or equivalent)	50
6	Media Converter & Module (Make Dlink/Netgear/TPlink etc)	30

The tenderer shall be required to submit the Earnest Money Deposit (EMD) for an amount of **Rs. 18,000/-** by way of demand drafts/banker's cheque/FDRs which is refundable and a non-refundable tender fee for an amount of **Rs. 200/- (Rupees two hundred only)** by Cash or Demand draft. The demand drafts shall be drawn in favour of "**Registrar, Dayalbagh Educational Institute, Agr**a" payable at Agra. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid documents addressed to:

"The Registrar
Dayalbagh Educational Institute,
Dayalbagh, Agra – 282005,
Uttar Pradesh"

Note: Central Purchase Organization, Small Scale Industries/ National Small Scale Industries Corporation shall be exempted from payment of Earnest Money Deposit. Tenderers seeking exemption should enclose a self attested photocopy of valid registration certificate with NSIC.

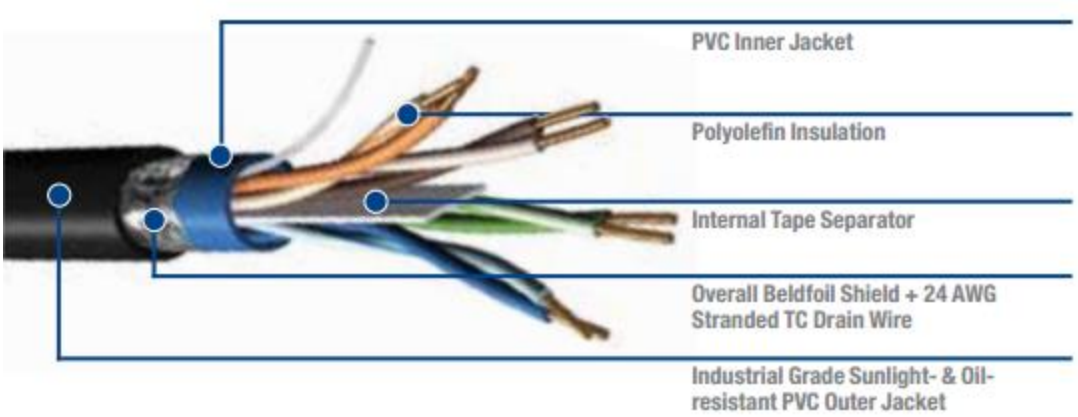
(The Earnest Money will be liable to be forfeited if quotation is not honored or if contract is not signed with the Institute, after the award is made to the Tenderer)

1. Time and last date of submission of the Bid: 3.00 pm on 20.12.2015
2. Time of Bid Opening: 3.30 pm on 20.12.2015
3. Venue of Bid Opening: Conference Hall, CAO, Dayalbagh Educational Institute.

Interested Contractors/Suppliers/Authorized dealers may put the tender document complete in all respect and other requisite documents in the tender box kept in the General Section, CAO, Dayalbagh Educational Institute, Dayalbagh, Agra- 282005. The tenders shall not be entertained after this deadline under any circumstances whatsoever.

Registrar
Dayalbagh Educational Institute

1. CAT 6 Armoured Cable



CAT6 Armoured Ethernet cable Specification		
S.No.	**Specification**	**Description**
1	AWG	23 BC
2	Conductors	Solid
3	No. of Pairs	4
4	Standard Lengths	1000 ft, 304.8mtr
5	Nominal OD	0.34 Inch, 8.64mm
6	Jacket Thickness	0.030 Inch, 0.762mm
7	Jacket Colors/Material	Black PVC
	➢ Non-plenum; shielded ➢ Bonded Pair Construction ➢ Operating temperature: -40°C to +75°C ➢ Installation temperature: -25°C to +75°C ➢ Special RJ-45 plugs required ➢ Jacket sequentially marked at 2 ft. intervals ➢ Cable passes -40°C Cold Bend per UL1581 • ➢ Verified to TIA/EIA-568-B.2-1, Category 6 ➢ RoHS Compliant	

Electrical requirement

S.No.	Description	Test Condition	Requirement
1	Contact Resistance (Low Level)	Mate connectors: apply a maximum voltage of 20 mV and a current of 100 mA. (Measurement locations in Section 7.0)	20 milliohms MAXIMUM [initial]
2	Insulation Resistance	Unmate & unmount connectors: apply a voltage of 500 VDC between adjacent terminals and between terminals to ground.	500 Megohms MINIMUM
3	Dielectric Withstanding Voltage	Unmate connectors: apply a	No breakdown;

		voltage of 100 VAC peak or DC for 1 minute between adjacent terminals and between terminals to ground.	
4	Shielding Effectiveness	Measure at frequency from 30 to 150 MHz	20 dB Min
5	Temperature Rise (via Current Cycling)	Mate connectors: measure the temperature rise at the rated current after: 96 hours (45 minutes ON and 15 minutes OFF per hour).	Temperature rise: +30°C MAXIMUM

Mechanical requirement

S.No.	Description	Test Condition	Requirement
1	Connector Insertion and Withdrawal Forces	Insert and withdraw a plug at a rate of 25 ± 6 mm (1 ± ¼ inch) per minute.	20 N (4.5 lbf) MAXIMUM insertion force
2	Latch Retention Force in Housing	Axial pullout force on the plug in the jack with 44.5 N/s (10 lbf/s)	50 N (11 lbs) for 60 sec± 5sec MINIMUM retention force
3	Durability	Mate connectors up to 750 cycles at a maximum rate of 10 cycles per minute prior to Environmental Tests.	10 milliohms MAXIMUM (change from initial)
4	Vibration (Random)	Mate connectors amplitude: 1.50 mm (.060") peak to peak Sweep: 10-55-10 Hz in one minute Duration: 2 hours in each X-Y-Z axis.	10 milliohms MAXIMUM (change from initial) & Discontinuity < 1 microsecond
5	Shock (Mechanical)	Mate connectors and shock at 50 g's with ½ sine wave (11 milliseconds) shocks in the ±X,±Y,±Z axes (18 shocks total).	10 milliohms MAXIMUM (change from initial]) & Discontinuity < 1 microsecond
6	Wire Pullout Force (Axial)	Apply an axial pullout force on the wire at a rate of 25 ± 6 mm (1 ± ¼ inch).	Minimum value: 75% of tensile strength of the wire

2.8Port PoE Network Switch

S.No.	Description	Requirement
1	Interfaces	• 8 Ports 10/100/1000 Mbps • 2 SFP Tranceiver Module
2	Port Standards & Functions	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted- pair copper)

		• IEEE 802.3az compliance • Auto-negotiation • IEEE 802.3x Flow Control
3	Network Cables	• UTP Cat. 5, Cat. 5e, Cat 6, (100 m max.)
4	Full/Half Duplex	• Full/half duplex for 10/100 Mbps speeds • Full duplex for Gigabit speed
5	Media Interface Exchange	• Auto MDI/MDIX adjustment for all twisted-pair ports
6	Switching Capacity	• 20 Gbps
7	Maximum 64 bytes packet forwarding rate	• 14.88 Mpps
8	Transmission Method	• Store-and-forward
9	MAC Address Table	• 16 ,000 entries per device
10	Packet Buffer Memory	• 1.5 MB
11	AC Input	• 100 to 240 VAC, 50/60 Hz internal universal power supply
12	Standby Power Consumption	• 9.4 W/240 V
13	Operating Temperature	• -5 to 50 ˚C (23 to 122 °F)
14	Storage Temperature	• -20 to 70 ˚C (-4 to 158 °F)
15	Operating Humidity	• 0% to 95% non-condensing
16	Storage Humidity	• 0% to 95% non-condensing
17	Diagnostic LEDs	• Link/Activity/Speed (Per 10/100/1000 Mbps port)
18	MTBF	• 360,844 hours

3. Cisco SG300-28 network Switch

S.No.	Description	Requirement
1	Switch layer	L3
2	Switch type	Managed
3	Web-based management	Yes
4	Basic switching RJ-45 Ethernet ports quantity	28
5	SFP/SFP+ slots quantity	2
6	Gigabit Ethernet (copper) ports quantity	26
7	Networking standards	IEEE 802.1s,IEEE 802.1w,IEEE 802.1X,IEEE 802.3,IEEE 802.3ab,IEEE 802.3ad,IEEE 802.3af,IEEE 802.3at,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z
8	Supported data transfer rates:	10/100/1000 Mbps
9	Switching capacity	56 Gbit/s
10	Number of VLANs	256
11	Maximum data transfer rate	1 Gbit/s
12	Protocols Management protocols:	SNMP 1/2c/3, RMON, HTTP/HTTPS, TFTP, DHCP, SSH, RADIUS, BOOTP, SNTP
13	LED indicators	Yes
14	Internal memory	128 MB
15	Flash memory	16 MB
16	Mean time between failures	179141 h

	(MTBF)	
17	Power consumption (typical)	30.1 W
18	Operating temperature (T-T)	0 - 40 °C
19	Storage temperature (T-T)	-20 - 70 °C
20	Operating relative humidity (H-H)	10 - 90 %
21	Power requirements	AC 100-240V@47-63Hz

4. 9U Rack with PDU

S.No.	Description	Requirement
1	Overall Configuration	Rack should conform to DIN 41494 Standard Top and bottom cable entry provision should be available. Top and bottom panels should have air ventilation provision for proper air circulation Load carrying capacity should be 40kg
2	Size:	Height 9U Width 600 mm Depth overall: 500mm
3	Door	Front toughened tinted glass door
4	Coating	The Powder coating process should be ROHS compliant
5	19" Angles in the Rack	1 Pair of recessible 19" angle in the front of the Wall mount
6	Cable management accessories	Horizontal cable managers with 1 U plastic loop flexible to accommodate maximum cables
7	Other Accessories	Power distribution Unit (PDU) with 6 sockets of 5A rating each with indicator, 1.5m cable. The PDU should be 19" mountable with height not exceeding 1U. Provision for fan with finger guard on the top panel Glass door with slam lock 230 Volt / 90 CFM Fan – 01 per rack
8	Manufacturers Details	Manufacturers should have ISO 9001-2000 & 14001 -2004 certification for manufacturing of racks.
9	OEM Warranty	Three Years

5. PoE Injector

S.No.	Description	Requirement
1	Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af
2	**Ports**	Two 10/100/1000 Gigabit Ethernet ports: 1 data uplink, 1 power + data
3	Cabling type	Category 5e or better
4	LEDs Channel	Power (green)
5	Input power	AC input voltage: 90–264 VAC AC input current: 0.5A @ 100–240 VAC AC frequency: 47–63 Hz IEEE 802.3af-compliant PoE
6	Output power	Output power voltage: 50 VDC Output power wattage: 15.4W

7	RJ-45 pin assignment and polarity	Power: Pins 4/5(+), 7/8(-)
8	Mounting	Surface mountable
9	Operating temperature	0° to 40°C (32° to 104°F)
10	Storage temperature	–20° to 70°C (–4° to 158°F)
11	Operating humidity	10% to 85% noncondensing
12	Storage humidity	5% to 90% noncondensing
13	Reliability	MTBF: 100,000 hrs @ 25°C
14	Thermal Rating	13 BTU/hr @ 240 VAC

6.Media Converter & Module

S.No.	Description	Requirement
1	Standards and Protocols	IEEE 802.3, IEEE 802.3u, IEEE 802.3x
2	Basic Function	Adopts WDM technology Half/Full-Duplex transfer mode for FX port Full Duplex Flow Control (IEEE 802.3x) Half Duplex Flow Control (Backpressure) Link Fault Passthrough and Far End Fault minimize the loss caused by link failure timely Extends fiber distance up to 20km
3	**Power**	
	DC Power Requirements	PoE models: 46 - 57 vDC PoE+ models: 52 - 57 vDC
	Power Consumption	6 Watts
	Power Over Ethernet (PSE)	PoE models: maximum to 15.4 watts supplied per port PoE+ models: up to 30 watts supplied per port
	PoE Options	Alternative A (power on pins 1,2 and 3,6) Alternative B (power on pins 4,5 and 7,8) Legacy PoE (IE VoIP phones and wireless access points) - (reverse polarity on pins 4,5 and 7,8) Legacy large capacitor detect (pins 4,5 and 7,8)
	Power Connector	5.5mm x 9.5mm x 2.1mm barrel socket
4	**Power Adapter**	
	Universal AC/DC adapter	100-240v AC, regulated 48vDC adapter included for PoE 100-240v AC, regulated 56vDC adapter included for PoE+
5	**Indicators**	
	Power (PWR)	This green LED is turned on when power is applied to the media converter. Otherwise it is off. The LED will blink slowly when either fiber port is in Loopback test mode.

		The LED will blink quickly if there is a hardware failure where the reason code can be identified through a combination of FDF,LKF, FDC and PSE indicator LEDs
	Fiber link on / Receive activity (LKF 1/2)	This green LED is operational only when power is applied. The LED will blink along with transmit/receive data on the fiber port If a loss of link on the copper port results in a Link Passthrough condition to the fiber port, this LED will blink at a rate of once every 2 seconds until the condition is cleared.
	Copper link on / Receive activity (LKC 1/2)	This green LED is operational only when power is applied. The LED will blink along with transmit/receive data on the 10/100/1000 UTP port If a loss of link on the copper port results in a Link Passthrough condition to the fiber port, this LED will blink at a rate of once every 2 seconds until the condition is cleared.
	Fiber Duplex (FDF 1/2)	This green LED is operational only when power is applied. The LED is on when the 10/100/1000Base-X link is operational in full duplex mode. The LED is off when in half duplex. If the Auto-Neg switch is turned off, this LED will always be on
	Copper Duplex (FDC 1/2)	This green LED is operational only when power is applied. The LED is on when the 10/100/1000Base-T link is operational in full duplex mode. The LED is off when in half duplex
	100/1000	This multi-color LED is operational only when power is applied. The LED is green when the speed of the copper ethernet port is running at 1000 Mbps. The LED is yellow when the speed of the copper Ethernet port is running at 100 Mbps. The LED is off when in 10 Mbps.
	PSE Status (PSE 1/2)	This LED will signify the status of the PSE function. Using multi-color and blinking the unit will show the following status for the PSE; GREEN — Solid: The PSE has successfully detected a compliant PD and is applying power over the UTP (for legacy pin out simply show active power when applied) YELLOW — Solid: The PSE is not active. This means the PSE has been configured to provide power, but the PD is : • Not connected • Has not detected a compliant PD and is not

		applying power • PSE has turned off power for Reset function OFF — PSE function switch disabled RED — Blinking: Error Conditions • Capacitance too High — 1 blink • Resistance too Low or short circuit — 2 blinks • Resistance too high or open circuit — 3 blinks
6	**Switches - accessible through a side opening in the chassis**	
	Auto-Negotiation (802.3u)	Enabled (Default) - The media converter uses 802.3u Auto-negotiation on the 10/100/1000Base-T interface. It is set to advertise full duplex, half duplex, pause and remote fault capabilities. *Disabled* - The media converter sets the port according to the position of the speed and duplex switches.
	Link Mode	Link Mode provides a transparency to the state of the copper link allowing for simplified trouble shooting from the devices connected to the media converter. *Normal (Default — Up)* With Fiber Auto Negotiation enabled when the copper link goes down the 1000Base-X link is brought down. The 1000Base-X link will advertise Remote Fault (Link Fault). With Fiber Auto Negotiation disabled the state of the copper link has no effect on the 1000Base-X link. *Smart Link Pass Through (Down)* With Fiber Auto Negotiation enabled the behavior is as follows. When the copper link goes down the 1000Base-X link is brought down. The 1000Base-X link will advertise Remote Fault (Link Fault). When Remote Fault (Link Fault) is received on the 1000Base-X interface the copper transmitter will be turned off. When the copper receiver is off the 1000Base-X transmitter will be turned off. When the 1000Base-X receiver goes off the copper transmitter will be turned off. With Fiber Auto-Negotiation disabled the behavior is as follows. When the copper receiver is off the 1000Base-X transmitter will be turned off. When the 1000Base-X

		receiver goes off the copper transmitter will be turned off. **Effect on 3 and 4 port units:** pass-through conditions will be recognized when the state of both copper UTP or fiber port pairs are the same. IE only if both copper ports go down will the fiber port on a 3 port unit be forced inactive.
	Fiber Fault Alert	The Fiber Fault Alert switch has meaning when Auto-Negotiation is disabled *Enabled (Default - Up)* When the 1000Base-X receiver is off the 1000Base-X transmitter is turned off. Periodically the 1000Base-X receiver will be turned on for a short period to allow the condition to clear if the 1000Base-X link partner is using a similar feature. *Disabled (Down)*
	Loopback (1/2)	The media converter can perform a loopback on the 1000Base-X fiber interface. *Disabled (Default - Up)* *Enabled* - The 1000Base-X receiver is looped to the 1000Base-X transmitter. The copper transmitter is taken off the interface. • A loopack switch for each fiber connection • On dual fiber units, if one or both ports have loopback enable, all copper ports are disabled, but PoE power is maintained. The other fiber port is unaffected.
	Speed Copper	100 (Default) 10
	Duplex Copper	Full (Default) Half
	Fiber Negotiation	*Up:* The Media Converter will negotiate Ethernet parameters on the fiber connection. This will ensure that the most optimal connection parameters will be in effect. If connecting to another Perle Media Converter, this parameter should be set to Auto. The Media Converter Module will advertise 1000Mbps, Full and Half Duplex, no Pause. *Down:* The Media Converter Module's fiber will be fixed to 1000Mbps, Full Duplex.

	Auto-MDIX (Internal Strap)	If Auto-Negotiation (802.3u) is enabled, the media converter determines the current cable pinout to use on the copper interface. If Auto-Negotiation (802.3u) is disabled the Media converter will use the RX Energy method on the copper interface to set the port MDI or MDIX whichever is appropriate. Enabled (Default) - Either a straight-through or crossover type cable can be used to connect the media converter to the device on the other end of the cable. Disabled - If the partner device on the other end of the cable does not have the Auto-MDIX feature a specific cable, either a straight-through or crossover will be required to ensure that the media converter's transmitter and the partner devices transmitter are connected to the others receiver. The Media converter's 100Base-TX port is configured as MDI-X with this switch setting.
	PSE Power	Settable for each UTP port available. When enabled (UP), the media converter will perform a Power Sourcing Equipment (PSE) function as per IEEE802.3af or 802.3at standards (relevant model). Default is "enabled"
	PD Power Reset	This is a technique to perform a power reset on a PD device(s) attached. When enabled (down), the media converter will upon loss of link on any fiber port, turn off PSE output power to the PD device(s) for 2 seconds then turn the power back on. The power remains on until any fiber link transitions from up to down again. With Passthrough enabled (Link Mode enabled and Fiber Auto-Negotiation enabled) , a loss of link on the fiber resulting from a loss of link on the copper, a PD Power Reset till still occur. When PD Power Reset disabled, loss of fiber link has no effect on PSE power to the PD device(s).
	Fiber Redundancy (Dual Fiber Models)	When disabled (default), the ports will operate as a 3 or 4 port switch When enabled (Down) the media converter treats Fiber 1 as the primary. If the link fails, the fiber link is switched over to fiber 2 within 50ms.

		While the primary is active, the link on port 2 will be maintained, but the port will not pass data A redundancy switch-over will not occur if the fiber link was brought down as a result of link pass-through from a copper port.
	Redundant Primary (Dual Fiber Models)	If the "Fiber Redundancy" feature is also enabled, the primary fiber 1 link is continuously monitored and if is restored for at least 6 seconds, the link will be switched back from the secondary fiber 2 port to the primary fiber 1 port
	PoE Power Options (Internal Straps)	Set to Alternative A (default): Pins 3,6 Neg, Pins 1,2 Pos Set to Alternative B: Pins 7,8 Neg, Pins 4,5 Pos Set to Legacy Pre-Standard: Pins 7,8 Pos, Pins 4,5 Neg
7	**Connectors**	
	10/100/1000Base-T	1 or 2 RJ45 connectors. 2 pair CAT5, EIA/TIA 568A/B or better cable for 10/100. 4 pair CAT5 UTP cable for Gigabit.
	Magnetic Isolation	1.5kv
	Fixed Fiber	Available on single fiber port models with 1 or 2 copper UTP ports Dual multimode or single mode (Duplex) fiber - SC, ST Single strand fiber (Simplex) - SC LC - obtained by inserting an SFP (LC) in an SFP slot model
	Small Form Factor Pluggable (SFP) slot	SFP slot models: Empty slot for 1000Base-X or 100Base-X SFP modules supplied by Perle, Cisco or other manufacturers of MSA compliant SFPs. Hot insertion and removable (hot swappable).
8	**Filtering**	
	Filtering	1024 MAC Addresses
9	**Frame Specifications**	
	Buffer	1000 Kbits frame buffer memory
	Size	Maximum frame size of 10,240 bytes -- Gigabit Maximum frame size of 2048 bytes -- Fast Ethernet
10	**Environmental Specifications**	
	Operating Temperature	0 C to 50 C (32 F to 122 F)
	Storage Temperature	minimum range of -25 C to 70 C (-13 F to 158 F)
	Operating Humidity	5% to 90% non-condensing
	Storage Humidity	5% to 95% non-condensing
	Operating Altitude	Up to 3,048 meters (10,000 feet)
	Heat Output (BTU/HR)	20.5

	MTBF (Hours)*	**Model Type** **No Power Adaptor** **PoE** **PoE+** 1 UTP, fixed fiber 361,190 206,434 78,317 1 UTP, 1 SFP 410,188 221,560 80,399 1 UTP, 2 SFP 399,432 218,384 79,977 2 UTP, fixed fiber 292,529 182,017 74,524 2 UTP, 1 SFP 323,861 193,675 76,407 2 UTP, 2 SFP 317,119 191,244 76,026
	Chassis	Metal with an IP20 ingress protection rating
11	**Mounting**	
	Din Rail Kit	Optional
	Rack Mount Kit	Optional
12	**Regulatory Approvals**	
	Emissions	FCC Part 15 Class A, EN55022 Class A
		CISPR 22 Class A
		EN61000-3-2
	Immunity	EN55024
	Electrical Safety	UL 60950-1
		EN60950
		CE
	Environmental	Reach, RoHS and WEEE Compliant
	Other	ECCN: 5A991A
		HTSUS Number: 8517.62.0050
		Perle Limited Lifetime Warranty

Note:

- Transportation cost of all material will be borne by the bidder.

Terms & Conditions

Note: Bidders must submit the following primary information/documents with the quotation. Bidders will have to indicate these particulars in their quote failing which the offer may be rejected. Please do produce the related documents whenever required by the Institute.

1. Trade License/Company Registration No.
2. VAT / Service Tax Regn. No.
3. Income Tax PAN No.
4. Firm's Bank A/c details
5. Bidders are requested to quote rate(s) per unit(s) only in the recognized Accounting units otherwise your quotation will not be accepted.
6. Cost of items shall include installation, support and troubleshooting.
7. Warranty and Support: for Hardware and Software should be explicitly mentioned.
8. Bidders should be OEM/Authorized partner/Authorized dealer of OEM/ Contractors.
9. Bidders should quote rates as per details/specifications mentioned in notice inviting Tender. The Institute reserves the right to place order for each job to single/separate vendor(s) if necessary.
10. Bidders should quote rates on FOR/Free Delivery at the sites specified in the Notice inviting Tender, inclusive of all charges else should mention estimated cost of packing, forwarding, insurance and freight by Rail/Road/Post etc. as the case may be.
11. Bidders must indicate if their rate is inclusive of VAT/Sales Tax and /or Excise Duty.
12. Quotation received after the closing date will not be entertained and revision in the price will render the bid invalid. Quotation should indicate clearly the period of Validity, preferably not less than 45 days**.**
13. In case of an offer for items having multiple options, you should clearly indicate item-specific price(s). Please quote separate item-wise rate(s), when quotation has been asked for so. For every offer, packing and forwarding charges, Sales/VAT/Service Tax etc. should be shown separately.
14. Bids will be evaluated after equated comparison of offers upon calculating all tax/duty/cess/surcharge/discount/packing/transportation costs, other charges with price and non-compliance of technical and commercial terms will render a bid liable for rejection.
15. Bidders will have to submit Bills/Invoices on dispatch of stores, if ordered, to this office in triplicate duly pre-receipted (and stamped for amount over Rs. 5000/-) and supported by the relevant delivery documents for audit and payment direct to you or to your bankers.

    Generally, payments can be expected within one month and are made against acceptance of supplies/ jobs completed and in deserving cases, against shipment documents.

16. No insurance charges are allowed unless otherwise specified and agreed to by us. In the absence of any specific instructions, it will be the responsibility of the supplier to ensure a consignment against transit risk at his own expense if he so desires.
17. The Institute is not bound to accept the lowest rate or any other offer and the acceptance of the offer is entirely at the discretion of the Committee.
18. The Institute reserves the right to select certain items in single or multiple units and reject the others or all as mentioned in the schedule and to revise or alter the specifications before acceptance of any tender and accept or reject any or all tenders, wholly or partly or close the tender without assigning any reason whatsoever.
19. The Bidder shall be required to submit the amount of Earnest Money Deposit (EMD)

Rs.18,000/- as mentioned in the Notice Inviting Tender which is refundable and a non-refundable tender fee for an amount of Rs 200/- (Rupees two hundred only) by way of demand drafts/banker's cheque / FDRs. The demand drafts shall be drawn in favour of **"Registrar, Dayalbagh Educational Institute, Agra**" payable at Agra. The demand drafts (validity 45 days beyond final bid) for earnest money deposit & tender fee must be enclosed in the envelope containing the bid.

a) The firm(s) that are registered with the National Small Industries Corporation (NSIC) or Small Scale Industries (SSI) are exempted from furnishing the EMD. Self-attested photocopy of the valid registration certificate must be enclosed with their bid.
b) The demand drafts for EMD & tender fee must be enclosed in the envelope containing the technical bid. Any technical bid is found without the demand drafts of EMD and tender fee will be rejected. The Institute will not be liable to pay any interest on such an amount. The EMD shall be forfeited, if the Bidder withdraws its bid during the period of validity of Tender.

20. Arbitration and Laws: In case of any dispute or difference arising out of or in connection with the tender conditions / order and Contract, the Institute and the Supplier will address the dispute / difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute. The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Agra only. The resolution of the Arbitrator shall be final and binding on both the parties.
21. Jurisdiction: The courts at Agra alone will have the jurisdiction to try any matter, dispute or reference between parties arising out of this tender /contract. It is specifically agreed that no court outside and other than Agra court shall have jurisdiction in the matter.
22. The Institute reserves the right to order OFC and accessories to a quantity less (upto 25%) or more (upto 50%) than that specified above.
23. Excise Duty: The Institution is exempted from payment of Excide Duty under notification No.10/97 – Central Excise dt. 01.03.97 issuedby Ministry of Science & Technology, Govt. of India. Hence, the offer shall be submitted accordinglythe bidders should not include the Excise Duty in the quoted price, which can put them into a disadvantageous position. They should however, quote separately the percentage / quantum of excise duty applicable.
24. Customs Duty: In case of Imported Items, please note that we are exempted from payment of Customs Duty in terms of Notification No.51/96-CUSTOMS dated 23.7.1996 as amended from time to time. Issued by Ministry of Science & Technology, Dept. of Scientific and Industrial Research, Government of India, we are eligible for concession of Custom duty.

Registrar, DEI

Annexure-I

Financial Bid Format

S. No.	Description	Specifications	Make/ Model	Unit	Qty	Quoted unit price in Rs.	Tax	Amount in Rs.
1	CAT 6 Armoured Cable	as per above mentioned		meter	1			
2	8 Port PoE Smart Switch	as per above mentioned		Pcs	1			
3	Cisco SG300-28 network Switch with SFP Modules	as per above mentioned		Pcs	1			
4	9U Rack with PDU, Horizontal cable Manager	as per above mentioned		Pcs	1			
5	POE Injector	as per above mentioned		Pcs	1			
6	Media Converter & Module	as per above mentioned		Pcs	1			

Annexure-II

CHECK LIST

1. EMD of Rs. 15,000.00 (Fifteen Thousand) only by way of DD No……. dated …… in favour of "**Registrar, Dayalbagh Educational Institute, Agra**" payable at Agra.
2. DD No…… dated……..for Rs.200.00 (Two hundred) only in favour of "**Registrar, Dayalbagh Educational Institute, Agra**" payable at Agra towards cost of Tender Fee.
3. Details of firm, equipment, software, registration with tax authorities–Income Tax/Service Tax etc.
4. PO and Satisfactory report of qualifying projects (Minimum of two) handled by bidders in last 5 years giving date of start, date of completion, cost of project and delay if any attributable to bidder. (Staple all to make one doc).
5. Documents explaining Bidder's approach particularly to this OFC laying project describing implementation strategies which may include topology, hardware to be deployed etc.
6. Declaration from the OEM that none of the quoted product will go End of Sale or End of Support for a period of at least five years.
7. Declaration by Agency that they shall be supplying genuine OEM products and any discrepancy.
8. Time schedule for complete development of total project in the form of BAR CHART. (This also has to be part of presentation).
9. Financial Bid in the prescribed Format as given in Annexure-II in a sealed envelope.
10. The bid document along with its annexure downloaded from the web shall be duly signed on each page by the bidder and enclosed along with technical bid in Envelope 1.
11. Any other documents.

NOTE: The Check- List shall be duly filled in, and should be submitted along with the Technical Bid.