



Government of West Bengal
Office of the District Magistrate
North 24 Parganas, Barasat
[Motor Vehicles Department]

TENDER INVITING NOTICE

Sealed Tenders / Quotations are invited from intending bonafied Firm/Reputed Govt. Contractor to supply and installation of active components of LAN for the computers of the Learner License Testing Room in the Regional Transport Office, North 24 Parganas, Barasat as per the specification of technical requirement for extension of LAN.

The Tenderer/Quotationer shall quote his/her rate in the printed latter head pad of his/her agency/firm and submit the same addressing the Chairperson, Regional Transport Authority, North 24 Parganas within 28-09-2016 (i.e., last date for submission of tender) up to 02:00 pm which will be opened on 28-09-2016 at 03:00 pm in the Chamber of the Secretary, Regional Transport Authority, North 24 Parganas, Barasat.

TERMS AND CONDITIONS

- 1) Bogus/Ambiguous Tenders not conforming to the above shall be summarily rejected without assigning any reason.
- 2) The Chairperson, Regional Transport Authority, North 24 Parganas reserves all the rights not to accept the lowest rate or any other rate quoted without assigning the reason. The Chairperson, Regional Transport Authority, North 24 Parganas also reserve the right to cancel the process of tender at any point of time.
- 3) Rate should be quoted in figure and words.
- 4) All bidders shall submit his/her valid certificate of Trade License of similar trade, IT Clearance Certificate for the F.Y. 2015-2016, PAN Card, Voters EPIC, valid Credential Certificate and Address Proof etc. along with his/her application.


Secretary

Regional Transport Authority
North 24 Parganas, Barasat

Memo No. 3836(4)/MV/Bst.

Dated: 19-09-2016

Copy forwarded for information and taking necessary action to :-

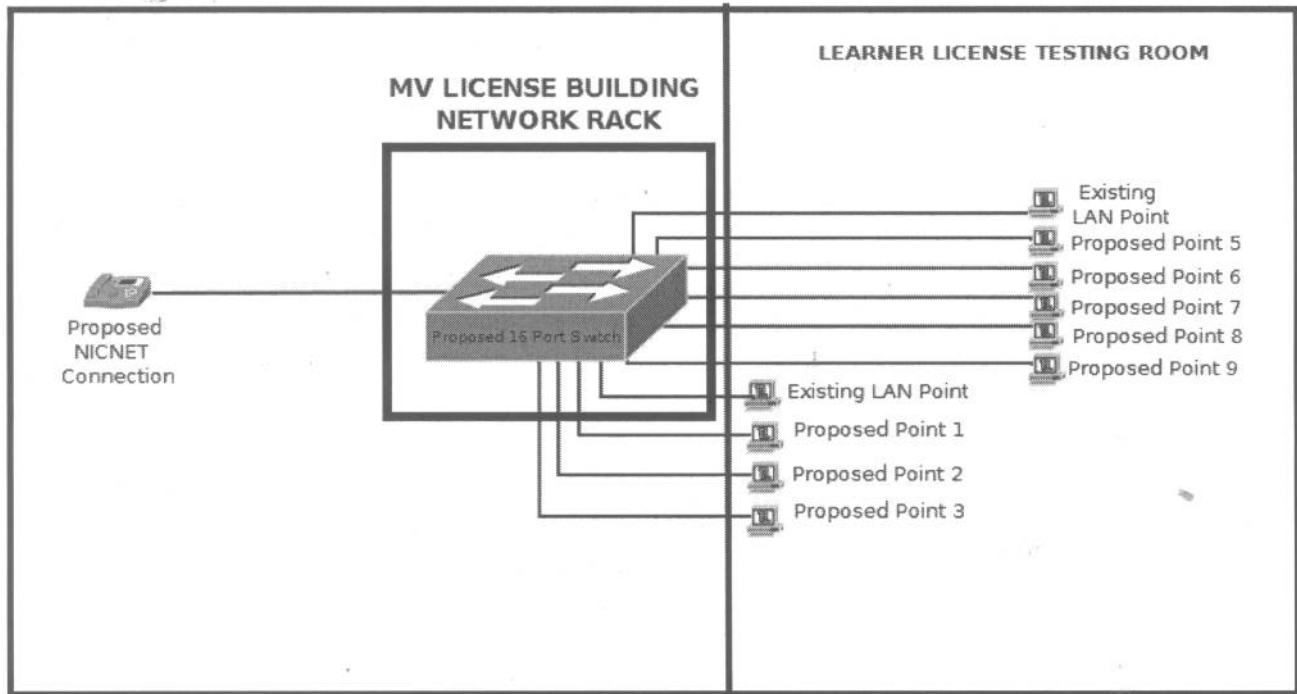
1. The Secretary, Zilla Parishad, North 24 Parganas for wide publicity.
2. The DIO, North 24 Parganas is requested to upload the same in district website for wide publicity.
3. The NDC, North 24 Parganas.
4. The DICO, North 24 Parganas for wide publicity.


Secretary

Regional Transport Authority
North 24 Parganas, Barasat

Technical Requirement Document For Extension of LAN for LEARNER LICENSE TESTING ROOM, MV License Building, North 24 Parganas

1) Diagram of proposed Motor Vehicle LAN Extension



2) Estimate of proposed Motor Vehicle LAN Extension

Table-1
(Supply and Installation of Active components of LAN)

Sl. No	Name of Items	Unit	Rqd. Unit
1	L2 Unmanaged Switch with AC power		
	a 24 port 10/100 unmanaged L2 Switch	Each	1



Table-2
(Supply of Passive Components of LAN)

Sl. No.	Name of Items	Unit	Rqd. Unit
1	Supply of Ethernet components		
	Supply of UTP / CAT6 cable	Per Meter	150 (Approx.)
2	Supply of Face plate and Base mount box.		
	a 1 port	Per Unit	9
3	Supply of information Outlate I/O	Per Unit	9
4	Supply of Patch cords CAT6A / CAT6		
	a Length – 1 Meters	Per Unit	11
	b Length – 3 Meters	Per Unit	11
5	Supply of 24 Port Patch Panel CAT6 / CAT6A with wire Manager.	Per Unit	1
6	Supply of ISI marked PVC duct of Outside Diameter size along with accessories		
	a 20 mm	Per Unit	100 (Approx)

Table-3
(Installation of Passive Components of LAN)

1	Installation of ISI marked PVC duct of Outside Diameter size [Per Meter] on surface of wall		
	a 20 mm	Meter	100 (Approx.)
2	In building laying of UTP /STP CAT6A/CAT6 cable	Meter	150 (Approx.)
3	Installation & Termination of Information Outlets [including termination of UTP/STP cable on I/O].	Per Unit	9
4	Installation & Termination of UTP/STP CAT6A/CAT6 cable on Patch Panel CAT6/ CAT6A with wire Manager including accessories.	Per Unit	9



3) Technical Specifications for Active and Passive LAN Components:

01	24 Port 10/100 unmanaged Switch	Specifications
		<p>Key Features</p> <ul style="list-style-type: none"> • Inexpensive Gigabit solution for Home/SOHO • Eight/sixteen 10/100 Mbps Gigabit ports • 16 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • IEEE 802.3x Flow Control • Supports 9,000 Byte Jumbo Frames • Supports IEEE 802.1p QoS (4 Queues, Strict Mode) • Supports Cable Diagnostics Function • RoHS compliant • Plug-and-play installation <p>Standards</p> <ul style="list-style-type: none"> • 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) • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE) <p>Protocol</p> <ul style="list-style-type: none"> • CSMA/CD <p>Media Interface Exchange</p> <ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all ports <p>Power Consumption</p> <ul style="list-style-type: none"> • Power On (Standby): <ul style="list-style-type: none"> ○ DC input: 0.55 watts ○ AC input: 1.0 watts • <i>ff</i>Maximum: <ul style="list-style-type: none"> ○ DC input: 2.8 watts ○ AC input: 4.5 watts <p>Item should be of Reputed Company/Brand.</p>

Technical Specifications for Ethernet Components

2	UTP cable (CAT 6)	<p>4 pair, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT6) 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 mtrs. 23 AWG solid bare copper.</p> <p>Item should be of Reputed Company/Brand.</p>
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Information Outlets (I/O) with Face plate and Base mount box.

3	1 port	<p>Surface mount box of dimension 86 x 86 sqr.mm, with face plate, shutter & ISI mark with one RJ 45 socket, should confirm or exceed the EIA/TIA 568 C.2-1 (CAT 6 / CAT6A) standards, provision for dust cover, labeling icons & strips, anchors for stain relief cable entry, UL / ETL *R listed & verified, AC Input Voltage : 85 to 264 VAC, AC Frequency : 47 to 63 Hz, AC Input Current : 4A at 100 VAC, 2A at 240 VAC, System Power Dissipation : 330W, KVA Rating : 0.35 KVA max, Output Power Voltage: 48 VDC (nominal), Heat Dissipation : 1125 Btu/hr max, Modularity : 8-pin, 4-pair, one I/O port per face plate. Operating Temperature: 32 to 104° F (0 to 40° C).</p> <p>Item should be of Reputed Company/Brand.</p>
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Patch cords CAT6		
4	Length – 1 & 3 Meters	Should confirm or exceed the EIA/TIA 568 C.2-1(CAT 6 / CAT6A) standards, 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 – 1/3/5 mtrs. Item should be of Reputed Company/Brand.
5	24 Port Patch Panel CAT6 / CAT6A with wire Manager.	24 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. Dimensions : (H x W x D) (3.4 x 17.2 x 12.0 in.) (8.6 x 43.7 x 30.5 cm), AC Input Voltage : 85 to 264 VAC, AC Frequency : 47 to 63 Hz, AC Input Current : 4A at 100 VAC, 2A at 240 VAC, System Power Dissipation : 330W, KVA Rating : 0.35 KVA max, Output Power Voltage : 48 VDC (nominal), Heat Dissipation : 1125 Btu/hr max, Modularity : 8-pin, 4-pair, Operating Temperature : 32 to 104° F (0 to 40° C). 19 " rack mountable, Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height. Item should be of Reputed Company/Brand,
ISI marked PVC duct of Outside Diameter size along with accessories.		
6	20 mm	All exhaust duct piping, sizes diameter of 20 mm shall be PVC seamless extruded type. This duct pipe shall be extruded from a Type I, Grade I Polyvinyl Chloride (PVC) compound with a Cell Classification of 12454 per ASTM D1784, trade name H707 PVC. All extruded PVC duct shall have a maximum flame spread rating of 25 or less per ULC S102.2. All PVC extruded duct pipe shall meet Georg Fischer Harvel LLC published standards with regard to material and dimensions, and shall carry a maximum temperature rating of 140°F. All extruded duct pipe should be manufactured using domestic materials, by an ISO 9001 certified manufacturer, and shall be stored indoors at the manufacturing site until shipped from the factory. All extruded PVC duct pipe shall be marked with the manufacturer's name or identifying symbol.

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