



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 :-

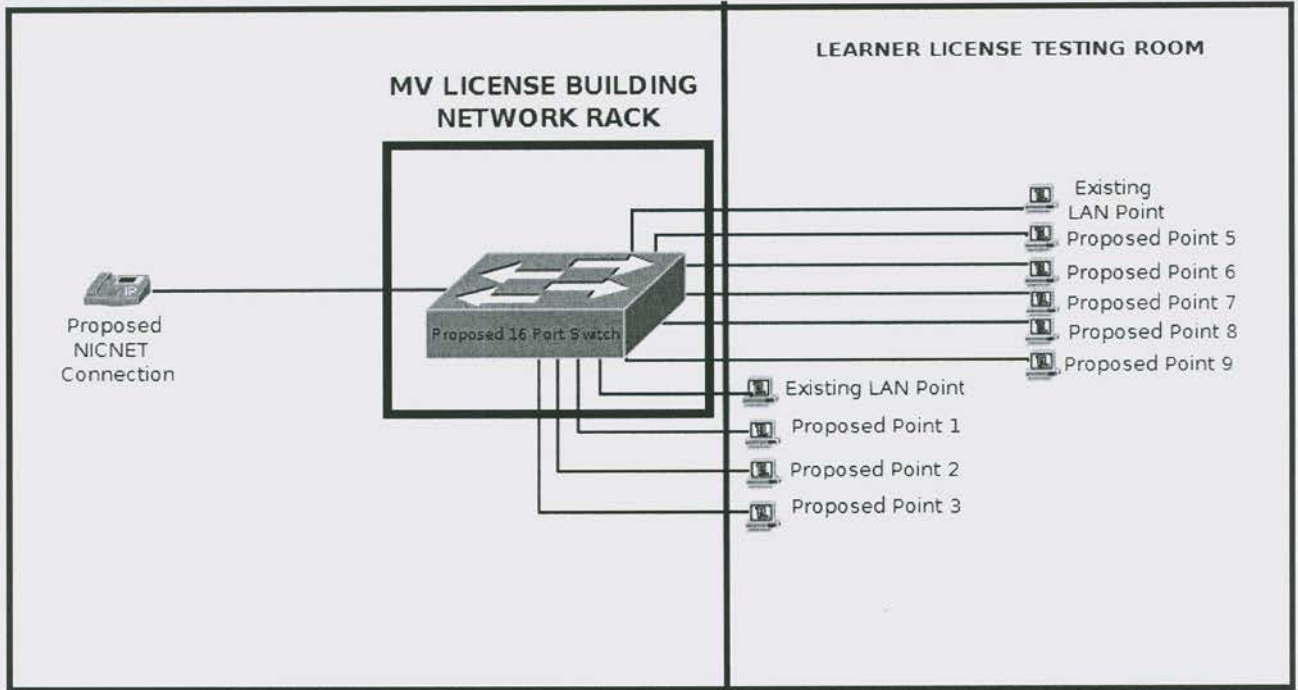
1. The Secretary, Zilla Parishad, North 24 Parganas for wide publicity.
2. The DIO, North 24 Parganas is requested to upload the same in district website for wide publicity.
3. The NDC, North 24 Parganas.
4. The DICO, North 24 Parganas for wide publicity.


Secretary

Regional Transport Authority
North 24 Parganas, Barasat

Technical Requirement Document For Extension of LAN for LEARNER LICENSE TESTING ROOM, MV License Building, North24 Parganas

1) LAN Diagram of proposed Motor Vehicle LAN Extension



2) Technical Requirement of proposed Motor Vehicle LAN Extension

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

SI. No	Name of Items	Unit	Rqd. Unit
1	L2 Managed Switch with AC power		
	a 24 port 10/100 managed 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	18
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 box	1
6	Supply of ISI marked PVC duct of Outside Diameter size along with accessories			
	a	20 mm	Per Unit	15

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	18
4	Installation & Termination of UTP/STP CAT6A/CAT6 cable on Patch Panel CAT6/ CAT6A with wire Manager including accessories.		Per Unit	18



3) Technical Specifications for Active and Passive LAN Components:

01	24 Port 10/100 Switch	<p>Features</p> <p>Flexible Hardware Design</p> <ul style="list-style-type: none"> • 10/100BASE-TX ports • 2 Combo 1000BASE-T/SFP ports • 2 no of SFP ports • 9", 11", or 19" Rack-mount • Support 802.3at (PoE+) and 802.3af (PoE) for PoE models <p>L2 Features</p> <ul style="list-style-type: none"> • 802.1D STP, 802.1w RSTP, and 802.1s MSTP • Loopback Detection • 802.1AX and 802.3ad Link Aggregation • Voice VLAN <p>Security</p> <ul style="list-style-type: none"> • SSH/SSL • Port Security • Access Control List (ACL) • 802.1X / Web-Based (WAC)/MAC-Based (MAC) Access Control • Guest VLAN • IP-MAC-Port Binding (IMPB) • Traffic Monitoring and Bandwidth Control • Port Mirroring/Bandwidth Control • Broadcast/Multicast/Unicast Storm Control • srTCM, trTCM, & policing <p>MAC Address Table Size</p> <p>16K</p> <p>Packet Buffer</p> <p>1.5 MB</p> <p>Flash Memory</p> <p>32MB</p> <p>Jumbo Frame</p> <p>KB</p> <p>Diagnostic LED Indicators</p> <p>Power (Per Device)</p> <p>Yes</p> <p>Console (Per Device)</p> <p>Yes</p> <p>Link/Activity (Per Port)</p> <p>Yes</p> <p>Speed Indicator (Per Port)</p> <p>Yes</p> <p>Item should be of Reputed Company/Brand.</p>
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Technical Specifications for Ethernet Components		
2	UTP cable (CAT 6)	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. Item should be of Reputed Company/Brand.
Information Outlets (I/O) with Face plate and Base mount box.		
3	1 port	Surface mount box of diemesion 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 / CAT 6A) standards, provision for dust cover, labeling icons & strips, anchors for stain relief cable entry, ULJ / 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). Item should be of Reputed Company/Brand.
Patch cords CAT6		
4	Length – 1 & 3 Meters	Should confirm or exceed the EIA/TIA 568 C.2-1(CAT 6 / CAT 6A) 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.

