

**M P STATE ELECTRONICS DEVELOPMENT CORPORATION LTD**  
(A Govt. of M.P Undertaking)

**TENDER DOCUMENT**

**For**

**Supply and Installation of Fibre Optic Link in National Law University Institute, Bhopal**

(Tender no. MPSEDC/MKT/2009/169)

(All pages of this document except for Commercial-bid to be submitted in original duly signed on each page along with the technical bid envelope. The Commercial bid in original is to be enclosed in a separate sealed envelope)

**M.P. State Electronics Development Corporation Ltd.**  
**147, Zone-I, M.P. Nagar, Bhopal-462011 (M.P.)**  
**Ph.0755-2769816, 2769823**  
**Fax: 0755-2769824**

Technical Bid  
**INVITATION FOR TENDERS**

1. Addl. Chief General Manager, MPSEDC, Bhopal invites sealed bids, under two envelopes system, from eligible tenderers for Supply and Installation of Fibre Optic Link in National Law University Institute, Bhopal. Interested tenderers may obtain further information from the office of MP State Electronics Development Corporation, Bhopal. Tenders invited for the work mentioned hereunder:

<b>Sl. no.</b>	<b>Items</b>	<b>Description</b>
a	Scope of Work	Supply and Installation of Fibre Optic Link in National Law University Institute, Bhopal
b	Cost of bid document	Rs.1000.00 (non-refundable) by Demand Draft/Cash
c	Postal charges	Rs.100.00 (MPSEDC shall not be responsible for any postal delay)
d	Sale of bid documents	Date 26.08.09 to 15.09.09 (Between 10.30 AM to 4.00 PM)
e	Last date of submission of bid	Date 16.09.09 up to 3.00 PM.
f	Date of opening of bid	Date 16.09.09 at 4.00 PM.
g	EMD	Rs. 50,000/- in the form of Demand Draft
i	Place of opening of bids:	Office of MPSEDC, 147, Zone-1, Maharana Pratap Nagar, BHOPAL (M.P.)
j	Address for communication:	Addl.Chief General Manager M.P. state Electronics Development corporation Ltd. 147,Zone-1, Maharana Pratap Nagar, BHOPAL- 462011 (M.P.) Phone: 0755- <b>2769816</b> / 23, Fax- <b>2769824</b>

## Letter for Submission of Quotation

To

Dated ----- ,2009.

MPSEDC  
147 Zone I, M P Nagar  
Bhopal (M P)

Ref: Supply and Installation of Fibre Optic Link in National Law University Institute, Bhopal  
Dear Sir,

Having examined the tender document relating to the Supply and Installation of Fibre Optic Link in National Law University Institute, Bhopal, its conditions and scope of supply, specifications etc., and having understood the provisions and requirements relating to the supply and all other factors governing the tender, we hereby submit our offer for the supply of the proposed items in accordance with terms and conditions and confirm our acceptance to execute the order within the time period specified in the tender document, at the rates quoted by us in the accompanying Technical & commercial Bid.

If, after the tender document is accepted, we fail to complete the supply of the items as per the order, we agree that, MPSEDC, Bhopal, shall have full authority to forfeit the earnest money and cancel our order with no obligation on their part.

We confirm having deposited earnest money of Rs 50,000/- (Rupees Fifty Thousand only) by Demand Draft No.....dated ..... drawn on .....Bank ..... Branch.

We further confirm that –

- i. We have successfully executed orders of similar nature and we have sufficient experience and financial strength in handling large orders of this nature.
- ii. We have sufficient qualified manpower and necessary materials and after sales support to execute the order efficiently in the specified time schedule.
- iii. The quoted rates shall be valid till the completion of the order/ rate contract period and not less than 90 days.
- iv. We further confirm that all chapters of the tender documents have been read, understood and signed and there is no deviation/discrepancy
- v. We agree to accept the extension order up to 100% quantity within three months of the issue of the order.

Signature of the Tenderer  
With stamp and date

## GENERAL INFORMATION AND EMD DETAILS

1	EMD Details DD No and date: Amount in Rs. Name of the Bank:	
2	Name and Address of the Tenderer:	
3	Name of Contact Person:	
4	Mobile No:	
5	Fax:	
6	E-mail:	
7	Telephones:	
8	Category of the tenderer (Whether company, partnership firm or proprietary concern etc)	
9	Name of Chief Executive Officer and Telephone No.	
10	Year of Establishment	
11	Sales Tax/CST/Commercial Tax nos.	
12	Income Tax PAN/GIR No.	
13	Yearly Turnover of the Last 2 years.	
14	Name and Address of the Banker	
15	List of major Clients and the size of orders executed (Enclose details of five major clients/orders)	

--	--	--

Note: Separate sheets may be attached wherever necessary.

Signature of the Tenderer  
With stamp and date

## **Terms and Conditions of Tender**

### **1 Eligibility Criteria :**

- Manufacture or their authorized dealer / system integrators is only eligible for bidding.
- The tenderer must have working office and service centre in the state of Madhya Pradesh for at-least two years; attach copy of MPST/CST/TIN issued by M.P. Commercial tax department.
- In case of dealer, he must attach tender specific authorisation letter (in the enclosed format in the tender form) from respective manufacturer.
- The tenderer must have executed at-least one single order worth more than Rs. 8 lakhs in any of the government department / undertakings for LAN / Networking. Attach copy of the order and work completion certificate from the purchaser.

### **2. Amendment of Bidding Document by the Competent Authority**

At any time prior to the deadline for the submission of bids, the competent authority may, for any reason, whether on it's own or in response to a clarification requested by a prospective tenderer, modify the bidding document by way of amendment(s).

The prospective tenderers having received the bidding documents will be notified of the amendment(s) so made in writing or by Fax or uploaded on web site [www.mpsedc.com](http://www.mpsedc.com) and such amendments shall be binding on them.

In order to allow reasonable time to the prospective tenderers for taking into account such amendment(s), in the preparation of their bids, the competent authority, at its discretion, may extend the deadline for the submission of bids.

### **3 Bid Price**

The tenderers shall indicate prices in the price bid, including item-wise and final Bid Price of the items listed

Prices quoted by the Tenderer shall be fixed during the Tenderer's performance of the contract and shall not be subject to variation on any account.

A bid submitted with an adjustable price will be treated as non-responsive and rejected.

### **4. The EMD may be forfeited:**

If a Tenderer withdraws its bid during the period of bid validity specified by the tenderer on the bid Form: or In case of a successful Tenderer, if the Tenderer fails:

- (i) To accept the order
- (ii) To furnish performance security
- (iii) If the supplier, after accepting the purchase order fails to deliver the material/services as per the order.

### **5. Any alterations, erases or overwriting shall be valid only if the person or persons signing the bid initial them.**

**6. Technical requirements**

- a) The technical specifications as mentioned in the tender are the minimum configuration required. Higher specifications may be considered but no price weightage for higher specifications shall be considered.
- b) The specifications lower than the specified in the annexure will not be considered

**7. Service Support requirement**

- a. Tenderer will ensure the proper monitoring and ensure the timely call attending. However, he should finally close the call within 24 hours of call receipt.
- b. The delay in rectification of calls would cause the penalty.
- c. The penalty would be deducted for the delay in call rectification @ Rs. 250/- per day or part thereof for each node remained not rectified more than the above-specified period.
- d. In case of prolonged pending call the MPSEDC reserves the right to get the defective component repaired from other agencies at the risk of the supplier, and would recover the cost of repair from the supplier.
- e. The delay in call attending / closure will be treated as poor quality of service support and may lead to disqualification of tenderer from participation in future purchases.

**08. Inspection**

Purchaser reserves the right to inspect the Tenderer's/ manufacturer's works and systems supplied by them.

**SUBMISSION OF BIDS**

**09. Sealing and Marking of Bids**

The tenderers shall submit EMD, Technical Bid (containing the technical specifications offered, literature leaflets etc) and Price Bid/ Commercial Bid, in three separate, envelopes and all these three envelopes again should be sealed in one main envelope. All the envelopes should be distinctly marked EMD, technical bid, and commercial bid.

The bid will consist of the following:

- (i) Technical deviations if any, from the terms, conditions and specifications as specified in the tender document. Details of which to be submitted along with the technical bid.
- (ii) Tender and its forms should be duly filled in, signed and complete in all respects
- (iii) The price should be firm, inclusive of all taxes and local levies if any, on FOR destination basis. Tenderer should specify item-wise VAT Rate.
- (v) The tenderer shall indicate the price on FOR destination.
- (iv) The rates should be free from all escalation. However, all Tax and duty benefits if applicable should be passed on to us.

- (v) Entire System should invariably be warranted for a period of one years from the date of successful installation and commissioning.
- (vi) AMC- Post warranty annual maintenance charges on yearly basis for a period of two years after expiry of warranty be quoted separately for the system.
- (vii) The inner and outer envelopes shall be addressed to the competent authority at the following address:

THE Additional Chief General Manager (p)  
M.P. STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.  
147, Zone-I, Maharana Pratap Nagar, BHOPAL-462011

The inner envelopes shall also indicate the name and address of the Tenderer to enable the bid to be returned unopened in case it is declared "late."

If the outer envelope is not sealed and marked, the competent authority will assume no responsibility for the bids, misplacement or premature opening.

Telex; cable facsimile or fax bids will be rejected.

Conditional bids are liable to be rejected.

**10. Penalty:**

Entire system should be supplied, installed and made operational within 40 days, from the date of issue of Letter of Intent or issue of order under any circumstances. Successful tenderer should strictly adhere to the above specified period. Corporation reserves right to extend the above period.

In case of delay in execution of the order, MPSEDC/ concerned deptt. Shall recover from the successful tenderer liquidated damages as specified below;

a sum @ ½% (half percent) of the price of entire system per week, or Part thereof subject to maximum of 10% (Ten percent) for a delay of twenty weeks. Order automatically gets cancelled for non execution/non-supply even after twenty weeks from the specified period.

Penalty will be calculated on basic price excluding taxes.

Above penalty is also applicable for deficient/ non-service during maintenance period of three years.

No correspondence/ appeals/ requests will be entertained regarding penalties.

OR

MPSEDC/ Concern Dept reserves the right to procure & install the above system from elsewhere at the risk and cost of successful tenderer.

- 11. No payments will be made for incomplete supply/ supply of defective items/ non-functional items. Successful tenderer should replace all such items at no additional cost.

**12. Payment:**

Supplier shall immediately after successfully installing the materials at the consignee, present his bills to MPSEDC in duplicate along with the following papers/documents:

- (a) Receipt of goods and installation report by the consignee, dully signed and complete in all respects.
- (b) Such other documents as may be specified in the tender/supply order.

On the basis of the supplier's bills.

MPSEDC shall raise its own bills on the purchasing department.

90% Payment would be released after successful installation, testing, configuration of each switches, and testing of availability of minim thru put of 3 MBPs through Wi – Fi System at each and every point of Hostels and Campus where Wi Fi is envisaged.

It would be the responsibility of tenderer to configure the switches, routers, firewall, and APs as per the requirement of department. Testing might be done by the department / MPSEDC as the case may be. No part payment would be released.

Payment to the supplier shall be made by MPSEDC within 15 days of receipt of the payment of its bill from the Department concerned, after deducting:

- (a) MPSEDC's service charge as applicable on the value of the bill.
- (b) Such other amounts that may be owed by supplier to MPSEDC on any account whatsoever or deducted by department / indentor.

Payments shall ordinarily be made by MPSEDC only through crossed Account payee cheque drawn on Banks located in Bhopal.

Deduction, if any made by the Purchasing Department while making payment to MPSEDC shall be to the supplier's account

Payment thereof shall be made to the supplier only on receipt of the same from the Purchasing Department.

**'13 Deadline for Submission of Bids**

Bids must reach to the competent authority at the address specified but not later than the time and date specified in the notice inviting tenders. In the event of the specified date for the submission of bids being declared a holiday for the office of the competent authority, the bids will be received up to the appointed time on the next working day.

**'14. Late Bid**

Any bid received after the deadline for submission of bids prescribed by the competent authority, will not be accepted and returned unopened to the tenderer.

**BID OPENING AND EVALUATION OF BIDS**

**'15. Opening of Bids**

In the first round, Technical and EMD envelopes will be opened by the Committee constituted for this purpose. If the technical bid specifications offered, EMD and deviations asked (if any) are found in order, the Committee will open commercial bids of only technically qualified tenderers.

Bids will be opened, in the presence of Tenderers' representatives who choose to attend on the date specified at the following location:

The Additional Chief General Manager (P)  
M.P.State Electronics Development Corporation Ltd.  
147, Zone-I, Maharana Pratap Nagar, BHOPAL-462011

Tenderers' representatives shall sign a register evidencing their attendance.

In case, the commercial bid is not opened on the same or next day of opening of technical bid, the Committee may decide to open the commercial bid on subsequent dates. In such case the date, time and place of opening of commercial bid will be intimated to the tenderers or their representatives.

**'16. Preliminary Examination**

Before starting evaluation, the bids will be examined to determine whether they are complete, whether any computational errors have been made, whether required details have been furnished, whether the documents have been properly signed, and whether the bids are generally in order. In case of computational error the basic price will prevail. In case of error in totals and grand total, the sub total will prevail.

If bid is determined as not substantially responsive, the competent authority will reject it and only the substantially responsive bids will be considered.

The process of evaluation is as follows:

- (i) The Committee, will first verify that the Bank Draft for EMD/ Bid Security are in order and as per requirement of the bid. The Committee will examine the bid on Eligibility Criteria, technical specifications and all other conditions as specified in the tender.
- (ii) The commercial bids will be opened only for the proposals, which are found eligible and technically acceptable by the Committee. On the day specified for the opening of commercial bids, the Committee, will open the bids of eligible tenderers and scrutinize the same minutely.
- (iii) After scrutiny, the MPSEDC after having examined the proposal may accept the same or accept the bid price of any other tenderer found suitable or reject all or any proposal. The decision of the MPSEDC in this regard shall be final and binding.

**'17 Performance Security**

The successful tenderer shall be required to submit performance security equivalent to 10% of the order value for the satisfactory performance/completion of the complete order (Including warranty period), in the form of bank guarantee with MPSEDC

This guarantee may be invoked on violation of any of the condition (s) given below:

If the system/ any of its components does not perform satisfactorily

The observed output/deliverables of the system are not in accordance with the specifications.

**'18 Contacting the Competent Authority**

Any effort on part of a Tenderer to influence the Competent Authority or members of Technical/Monitoring committee, in its decisions on bid evaluation; bid comparison or award of contract, may result in rejection of the their bid.

19 **General**

- a) MPSEDC does not bind themselves to accept the lowest or any other tender and reserve the right to accept or reject any or all the tender in full or in part without assigning any reason.
- b) MPSEDC has the right to amend/ modify the tender or cancel the tender

MANUFACTURERS AUTHORIZATION FORM

Ref No: .....

Dated:.....

To,

Addl.Chief General Manager  
M.P. state Electronics Development corporation Ltd.  
147,Zone-1, Maharana Pratap Nagar, BHOPAL-462011 (M.P.)

Tender No:.....with Due Date: .....

Dear Sir,

We \_\_\_\_\_ who are established and reputed  
Manufacturers of \_\_\_\_\_ having works/ factories  
At \_\_\_\_\_

\_\_\_\_\_ (Address of the factory)  
do hereby authorize M/s \_\_\_\_\_ (Name & Address of agent)  
to submit a bid, and subsequently negotiate and sign the contract with you against  
the above tender.

We hereby extend our full guarantee, warranty and support and also in meeting warranty obligations  
by providing necessary spares in time for the goods & services offered by the above firm against this  
tender.

Yours faithfully

(Name)  
(Name of the manufacturer)

Note: This letter of authority should be on the letterhead of the manufacturer and should be signed  
by a person competent and having a power of attorney to bind the manufacturer. The tenderer should  
include this authorization in their bid .

## Scope of Work and Technical Specifications

**To create a network link ( Fibre Optic) between the central systems department and various hostels of the institute. The hostels in the institute are**

1. Boys Hostel – Catering to 8 AP appx
2. Girls Hostel (Old) – Catering to 8 AP appx
3. Girls Hostel (New) – Catering to 8 AP appx

The system should be designed so that it gets integrated easily with the existing Wi Fi network of the NLIU.

It is envisaged that each of the hostel would have a rack and patch panel. All the cabling to the existing AP would be terminated to Patch Panel and subsequent to L-3 Switch via patch cords.

All the UTP cable to be laid in casing and capping. This would include cable from L-3 Switch to various AP's already installed in the hostels.

Tenderer is expected to visit the site for overview. The work would be accepted as completed only after successful integration of existing Wi – Fi system within the network and subsequent testing. While designing it should be remembered that the backbone is 8 Mbps dedicated link and users are 500 students in hostels ( Boys hostel has more than 260 students) . The students / guest are catered with dynamic IP over a WEP secured network. The creation and configuration of VLAN via L – 3 Switch would be that of tenderer.

### Technical Specifications:

#### 1. Gigabit Switch Managed L - 3

**L-3 Layer 3 Managed Gigabit Switch 24 Port Auto Negotiating - Stackable  
10/100/1000 Mbps with 4 SFP ports or 4 LX or 4 SX ports**

IP – 6 compatible , QOS, and Traffic Management  
ACL , IEEE 802.1x

#### 2. Gigabit Switch L – 2

16 Port / 24 Port L -2 Managed Switch ( 10/100 /1000 Mbps) with 2 SFP Port or 2 LX or 2 SX port.

**3. Transceiver 1000 Mbps Base** – Suitable for Single Mode as well as Multi Mode fibre should be as per offered switch LX – SFP or suitable.

#### 4. 16 / 24 Port Patch Panel Cat 6

#### 5. Patch Cord Cat 6 – 3 feet length

**6. Fibre Optic Cable – Single Mode or Multi Mode with minimum 6 Core Shielded for Outdoor Application / Laying.**

**All Laying Casing Capping to be of professional grade for outdoor application. Duct Pipe of Minimum – 2” Dia UPVC.**

**COMMERCIAL BID**  
(To be submitted in the commercial bid envelope)

SI No	Item	Qty	Make	Specify Make/ Model quoted	Rate (in Rs.)	Amount (In Rs)
1	19" – 9 U Rack	3	Comrack / Dlink / President			
2	L – 3 Managed Switch Stackable with 24 ports and 4 SFP or 4 LX or 4 SX	02	Cisco / 3Com / Nortel / Juniper			
3	L – 2 Switch 16/24 Port Stackable with 2 SFP Port or 2LX or 2 SX	02	Cisco / 3Com / Nortel / Juniper			
4	Transceiver – 1000Mbps Base LX-SFP or suitable supporting SM / MM	06	Compatible to offered Switch			
5	16 / 24 port patch panel Cat 6	03	Dlink / AMP			
6	UTP Cable Cat 6	1000 mtr	Dlink / Amp / Havells / Finolex			
7	Patch Cord – 3 feet Cat 6	50 Nos	Dlink / Amp / Havells / Finolex			
8	Cable Laying in casing and capping and fixing	1000 mtr				
9	Networking , Impacting , RJ45, Cable termination, Rack Fixing, testing and integration of AP with Switch's	-				
10	Outdoor Single Mode or Multi Mode Fibre Optic Cable. Tenderer to choose suitable as per distance and transceiver	1200 mtr	Dlink / Amp / Havells / Finolex / Sterlite			
11	Fibre LIU Box – 12 C plate	4 Nos	Dlink or any reputed make			
12	SC/ST Coupler / Adapter for LIU suitable as per the patch cord / pigtail offered	16 Nos	Dlink or any reputed make			
13	Duplex Fibre Patch Cord (LC-SC / LC-ST)	8	Dlink or any reputed make			
14	Pigtail SC-SM or as per offered fibre	16 Nos	Dlink or any reputed make			
15	Laying of Fibre indoors	100 mtrs				
16	Laying of Fibre outdoor with digging ( Hard Soil ) along with supply and laying of duct.	800 mtrs				
17	Laying of Fibre outdoor with digging ( Rocky / Road /	200 mtrs				

	RCC) and duct with GI Pipe					
18	Fibre Fitting along with Splicing	16 nos				
19	Configuration of various switch's including creation of VLAN, along with integration of Wi – Fi enablement of whole system. Suitable MAC filtering and tesing of whole system. Any additional equipment required for the successful operation of the system / achievement of end deliverables would be provided by the tender.					
	AMC charges after the warranty period.					

**Note:**

1. The rates are to be quoted for supply, installation, commissioning, and maintenance as per the tender, inclusive of all applicable taxes, duties etc.
2. The rate should also be inclusive of on site maintenance during warranty period of one year.
3. For the purpose of evaluation and award of work/ contract, only total amount will be considered and not the cost/ amount of individual items.
4. I/We accept the terms and conditions mentioned in the tender document.

Signature of the Tenderer

With stamp and date