

Government of West Bengal  
**Irrigation & Waterways Directorate**  
*Office of the Executive Engineer*  
Metropolitan Drainage Mechanical Division  
Jalsampad Bhawan, 4 th floor  
Bidhanagar City, Kolkata-91  
Ph No (033) 2321 5608

**Invitation for Expression of Interest/for Budgetary Quotation**  
**WBIW/EE/MDMD/EOI- 01 /2024-25**

Memo No :967 /6E-II/24-25

Dated 03.07.2024

1. Sealed Quotation in plain papers are invited from Original Equipment Manufacturer or its authorized agent having similar experience in the line for the under mentioned works/supply of similar magnitude more or less by the Executive Engineer, Metropolitan Drainage Mechanical Division. The name of work and other particulars are noted below :-

- a) **Name of Work** : "Installation, commissioning and maintenance of 80 Mbps Internet leased line connectivity with allied infrastructure (1:1 uncompressed and unshared with last mile on Fibre Optic) for 120 Nos IP address at Jalsampad Bhawan, Sector-1, D.F Block, Salt lake City, Kolkata-700091 "
- b) **Time for completion of Supply, Installation, commissioning** : 03 Years
- c) **Accepting Authority** : Executive Engineer,  
Metropolitan Drainage Mechanical Division
- d) **Last date of receiving quotation in sealed cover** : **Up to 14:00 hr. on 16.07.2024**
- e) **Date and time of opening quotation in presence of participants.** : **At 15:00 hr. on 16.07.2024**
- f) **Site of work or site of delivery of materials.** : Jalsampad Bhawan

2. The contractor must have his valid I.T. and S.T. clearance certificate and valid electrical contractor license and supervise certificate of competency in requisite part in case of electrical work and credential in support of his past experience, which are required to be produced when called for. Failing of the above may be treated as informal/cancellation of the quotation without further reference in the matter.
3. The acceptance of any quotation is not obligatory and the Executive Engineer ,Metropolitan Drainage Mechanical Division and reserve the right to reject any of all the quotations received without assigning any reason.
4. The intending participant should thoroughly acquaint themselves with the proposed works. Site condition etc. by local inspection of the site and he should take into consideration the difficulties likely to be involved in the execution of work or delivery of the material on the above address.

5. Details specification including schedule of work/supply may be had from the office of the undersigned during the office hour or any working day between 11 a.m. to 4 p.m.
6. The contractor whose quotation will be accepted shall have to execute a deed of contract in duplicate in W.B. Form No.2911(i)/2911(ii)/2908 etc. with other document which will be available from the office of the Executive Engineer , Metropolitan Drainage Mechanical Division on payment of usual charges and on production of registered documents in respect of constitution of firm ( so that competence to sign on behalf of the firm into an agreement may be justified) within 7 days from the date of issuing a notice of work order /supply order otherwise the acceptance of the quotation including the work order/supply order will automatically be cancelled.
7. Item wise rate are to be quoted both in words and in figures.
8. Quantities mentioned in the schedule of work/supply may be increased or decreased at the time of placing of order for which no claim from the contractor will be entertained
9. Rejected material should have to be taken back at the contractor own cost and arrangement
10. Sale Tax, royalty and other incidental charges will have to be borne by the contractor and the rates should be for complete item of the work /supply inclusive of all taxes, charges and delivery on the above address..

Encl. : 1 no. Schedule of Work/Supply

Executive Engineer  
Metropolitan Drainage Mechanical Division.

**Memo No : 967/1/6E-II/24-25**

**Dated 03.07.2024**

1. Copy submitted to the Superintending Engineer ,Mechanical & Electrical Circle, Kolkata for his kind information please.

Executive Engineer  
Metropolitan Drainage Mechanical Division.

**Memo No : 967/1(2) /6E-II/24-25**

**Dated 03.07.2024**

1. Copy forwarded to the Assistant Engineer-I/ Metropolitan Drainage Mechanical Division for his information please.
2. Notice Board.

Executive Engineer  
Metropolitan Drainage Mechanical Division.

NAME OF THE WORK "Installation, commissioning and maintenance of 80 Mbps Internet leased line connectivity with allied infrastructure (1:1 uncompressed and unshared with last mile on Fibre Optic) for 120 Nos. IP address at Jalasampad Bhawan, Sector-1, D.F Block, Salt lake City, Kolkata-700091 ".

## 1.0 BRIEF SCOPE OF WORK

- 1.1 The lease line should be of Fibre optic with ring Topology to provide redundancy. Internet connectivity at the corporate office is to be done through 80 mbps 1:1 leased internet connection for 120 (one hundred twenty) nos of computer. Internet connectivity with same up load and download speed at any point of time at Jalasampad Bhawan, Salt Lake, Kolkata, at all time throughout the contract period.
- 1.2 Successful bidder should provide the internet over their own or arranged last mile.
- 1.3 Successful Bidders endpoint equipments should be scalable to support bandwidth up to **1gbps**.
- 1.4 Ring Topology to be used for connectivity to ensure PoP level redundancy.
- 1.5 Successful Bidder should ensure that local loop provisioning does not violate regulations as laid by Government of India / TRAI in respect of such links / networks.
- 1.6 Successful bidder shall arrange the necessary way leave / ROW (Right of Way) in connection to the establishment of way of the link.
- 1.7 Successful Bidder should provide all necessary equipment for connectivity.
- 1.8 The Successful bidder shall provide necessary tool to monitor current and total data / bandwidth consumption in real-time.
- 1.9 **Testing and Acceptance:** Acceptance testing may be done if desired, if anomalies found, vendor needs to fix it within 7 days.
- 1.10 The existing Router, Switch & LAN port will be used for holding the proposed Internet Connection.
- 1.11 **Hand Over & Take Over of the System after Completion:** Successful vendor shall hand over the entire system after successful trial-run. Vendor shall complete installation & commissioning (with successful trial-run) as a whole, at Jalasampad Bhawan, as per Scope of Work before handing over the system to this Division.
- 1.12 ISP should be equipped with appropriate back bone at their end, so that the connectivity may be routed through alternate route in case there is a failure in one route.
- 1.13 The proposed link has to be terminated at the UTM (firewall device) with necessary configurations by the Bidder. The UTM will be provided by the Irrigation & Waterways Department, Govt. of West Bengal.
- 1.14 Reports for performance, monitoring / usage to be submitted by the service provider on monthly basis or as per requirement of the Irrigation & Waterways Department, Govt. of West Bengal.
- 1.15 **Redundant Path:** Service provider need to ensure operational uplink on both path of Ring all the time. Random checking of Ring path will be scheduled, with

prior intimation to the service provider, to evaluate the response time for attending the faults and both path will be checked after that, in case of failure/ non-operational of any path in ring the link will be treated as down (for the purpose of uptime calculation, though the internet service will be available to the Irrigation & Waterways Department, Govt. of West Bengal by any one the path) till the path is restored.

- 1.16 The Edge routers will be provided by vendor. The router must support at least the twice the total bandwidth.

## 2.0 SPECIAL TERMS AND CONDITION RELATES WITH THE WORK

### 2.1 Uptime Calculation & Penalty:

The Actual Uptime on fiber Link to be calculated in respective month and will be measured against total uptime hours 99.5%. If the downtime exceeds the total uptime hours following penalty in % will be applicable:

Sl. No.	Downtime	Penalty in % per month
01	=99.5%	0
02	>99.0% to <=99.5%	10
03	>98.5% to <=99.0%	20
04	>98.0% to <=98.5%	30
05	>95.0% to <=98.0%	50
06	>90.0% to <=95.0%	70
07	>85.0% to <=90.0%	80
08	>80.0% to <=85.0%	95
09	=<80.0%	100

**Example:** In the Month of December total days is 31 and total down time in the same month in hours was 5 hours. In such case the Actual Uptime can be calculated as follows: Total hours in the month = 31 X 24 = 720 Actual uptime Hours = 720 – 5 = 715 Actual uptime % = (715/ 720) X 100 ≈99%.

### 2.2 Service Level Agreement :

This SLA describes the Service Levels applicable. Non achievement of a Service Level may attract penalties, as set out in this SLA. The bidder shall sign SLA with the Irrigation & Waterways Department, Govt. of West Bengal incorporating following parameters:

- i. Throughput: 100% non-blocking [Symmetric]
- ii. Latency: <80ms Domestic and <250 ms International.
- iii. Packet Loss / Drop: <0.5%.
- iv. Mean Time To restore: 4 hours
- v. Single point of contact for Call docketing and ticketing toll free number.

- vi. Flapping link will be considered as downtime.

### **2.3 Fall clause:**

The BIDDER undertakes that the bidder has not supplied / is not supplying similar product / systems or subsystems at a price lower than the offered in the present bid in respect of any other department of State Government / Central Government / Autonomous Body or PUS and if it is found at any stage that similar product / system or sub-system was supplied by the BIDDER to any other office / institution of State Government / Central Government or PUS at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and the difference in the cost would be refunded by the BIDDER to the Irrigation & Waterways Department, Govt. of West Bengal, if the contract has already been concluded.

Name of the work- "Installation, commissioning and maintenance of 80 Mbps Internet leased line connectivity with allied infrastructure (1:1 uncompressed and unshared with last mile on Fibre Optic) for 120 nos IP address at Jalsampad Bhawan, Sector-1, D.F Block, Salt lake City, Kolkata-700091 "

Sl.No.	Description	Quantity	Unit	Budgetary Rate (Rs) Per Year	GST (@18%)	Cess (@1%)	Rate including GST & Cess	Amount (Rs)
1	One time installation and commissioning charges of internet leased line (1:1 uncompressed and unshared with last mile on Fibre Optic/RF) at of 80 Mbps internet leased line( 1:1 uncompressed and unshared with last mile on Fibre Optic) for 120 nos IP address at Jalsampad Bhawan, Sector-1, D.F Block, Salt lake City, Kolkata-700091	1	Set					
2	Rental charges for bandwidth 80 Mbps and software , hardware equipments. and other configuration and interfacing charges.	3	per years					
3	Rental charges for extra 10 Mbps bandwidth.	3	per years					

*Executive Engineer*  
*Metropolitan Drainage Mechanical Division*