

#### 4.3.4 Available bandwidth of Internet connection in the Institution

##### 1. Bandwidth (1 Gbps, Provider – National Knowledge Network, NKN)

MAHANAGAR TELEPHONE NIGAM LIMITED  
O/O THE GENERAL MANAGER (TR)  
K.L. BHAWAN, JANPATH, NEW DELHI

No. DGM (TR)/NME-ICT Project/5/2010-11  
Dated at ND the July 9/7, 2010

To  
*The Vice Chancellor / Director  
Jamia Hamdard University  
New Delhi - 110062*

Subject: Demand note @ 25% of the cost for provisioning of 1Gbps link to each university -under NME-ICT project of MHRD.

Kind attention: Sh. *Afsar Alam* Nodal officer

With reference to the NME-ICT project of MHRD kindly find enclosed herewith demand note for 25% of payment to be made by university concerned for provisioning of 1 Gbps link for connectivity with NKN-IP as per details enclosed herewith.

Demand Note of Rs 49,63,500/- (Forty Nine Lakh Sixty Three Thousand Five Hundred Only)

Deputy General Manager (TR) HQ  
MTNL, NEW DELHI.  
*Contact No-9868133385*

Copy to: 1. The PPS to the Secretary, DOT  
2. CMD, MTNL  
3. ED-DELHI/ED-MUMBAI  
4. PGM (O)  
5. GM (Fin.)/GM (TR)/GM(BD-CO)/GM(LC)/GM(CPSL)

*19/7*  
*19/7*  
*20/7*  
*HOS (Computer)*

19-1-11

May Please prepare the draft in favor of MTNL, New Delhi. The demand draft of Rs 49,63,500 (Forty Nine Lakh sixty three thousand five hundred only) .25% of payment to be made by University concerned for Provisioning of 1 Gbps link for Connectivity with NKN-project. The Finance Committee has already approved the proposal.

H. Afshan Khan  
19-1-11



Finance Officer.

FC has approved the agenda and the amount is shown in R.C. Approval may be granted to the proposal with the instruction to FMIT that the deptt. will maintain profile of this project containing all documents duly providing page nos.

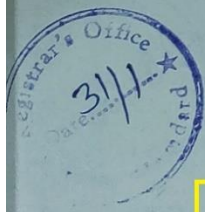
Submitted for approval

h. Khan  
21.01.11

Vice-Chancellor [Signature]

HOD, Computer Sc.

Dean, FMIT  
h. Khan  
01.02.11



Paid Rs. 49,63,500  
o/cr 64/05  
4.3.11  
[Signature]

## Connected Institutions

"We cannot live only for ourselves. A thousand fibers connect us with our fellow men, and among those fibers, as sympathetic threads, our actions run as causes, and they come back to us as effects."

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### Members Connected

The target users for the NKN are all institutions engaged in the generation and dissemination of knowledge in various areas, such as research laboratories, universities and other institutions of higher learning, including professional institutions. NKN has already connected 1653 institutions and aims to connect over 1500 Institutions / Organisations / Laboratories under various categories throughout the country.

Following is the list of institutions currently connected: **1653**

Show  entries

**List of Institutions Currently Connected**

Search:

Institute Name	Category
Jamia Hamdard University, Hamdard Nagar	Deemed University

Showing 1 to 1 of 1 entries (filtered from 1,653 total entries) Previous  Next

# 1. Alternative Bandwidth arrangement (50 Mbps, Provider – Spectranet)



**JAMIA HAMDARD**

(HAMDARD UNIVERSITY)

(Declared as Deemed-to-be University under Section 3 of the UGC Act, 1956 vide Notification No. F.9-18/86-U-3 dated 10.5.1989 of the Government of India)

Accredited by NAAC in 'A' Category

Phone : 011 26059688 (12 Lines)  
Fax : 011 26059663  
E-mail : inquiry@jamiahamdard.edu  
Website : www.jamiahamdard.edu

HAMDARD NAGAR  
NEW DELHI - 110062

Dated: 29/01/2021

Ref: JH/PS/ Quot-592/August-2019/bandwidth/

To,  
M/s. SHYAM SPECTRA PVT LTD  
258, Okhla Industrial Estate, Phase-3  
New Delhi-110020

Ref: Yours quotation No. JH/PS/ Quot-592/August-2019/

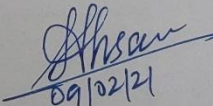
You are being awarded work order to supply, install and provide following items and services as per given specifications and rates. Terms and conditions are mentioned overleaf.

S. No	Description	Quantity	Rate Rs	Amount
1	Non shared, non-compressed (1:1) 50Mbps Internet lease line for one year starting with access of Internet by Jamia Hamdard with 256 Public IPs (detailed technical Specs, terms and conditions are attached on Annexure "A")	01	3,77,600/-	3,77,600/-

- Prices are inclusive of all taxes.
- Service parameters given at Annexure "A".

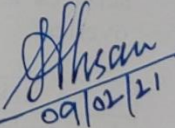
**Indenting Officer:**

System Analyst (Networking)  
Computer Centre

  
09/02/21  
Dy. Registrar

## TERMS & CONDITIONS

1. The specifications given on above should be strictly followed
2. All repairs/replacement must be done within 2 hours. The ISP shall provide details of downtime along with quarterly bills.
3. In case of delay in supply 2% deduction will be made from the bill.
4. Jamia Hamdard will deduct an amount of 0.25% from all the bills for Jamia Hamdard Relief and Welfare Funds.
5. In case of any manufacturing defects in the equipment, it should be replaced immediately.
6. Jamia Hamdard reserves the right to accept/ reject any item without assigning any reason thereof.
7. Start of Work: The work will start from the date of issue of acceptance certificate by Jamia Hamdard.
8. Project Completion: Within two weeks of acceptance of work order to M/S SHYAM SPECTRA PVT LTD

  
09/02/21  
Dy.Registrar

Annexure "A"

1. Quality of Service

- a) Packet loss <1%
- b) Domestic Latency <80 Millisecond during peak traffic hours.
- c) Availability 99% (Calculate on quarterly basis)
- d) Service availability would be calculated as following:

$$\text{Service Availability} = \frac{\text{Quarter (days)} \times 24 \text{ hours} \times 60 \text{ mins} - \text{Vaid down time} \times 100}{\text{Quarter (days)} \times 24 \text{ hours} \times 60 \text{ mins}}$$

- 1. In case the services availability percentage is less than the service availability assurance percentage, ISP shall provide to customer service credits as mentioned.

Type of SLA	Service Availability Percentage	Service Credit (Days)
Standard	UP to 99%	Nil
	98.49% to 98.99%	1 Days
	98.00% to 98.49%	2 Days
	97.50% to 97.00%	3 Days
	Less than 97.50%	4 Days

Average latency should not be more than 350 ms up to ISP's 1<sup>st</sup> Tier 1 peering point.

- 2. The ISP will designate routers in India and other key countries. The expected average roundtrip transmission delays between these designate routers are to be calibrated as below.

Sr.No	Country	Upper Limit on Round Trip Delay	Packet Loss Percentage
1	U.S.A	280 ms	<1%
2	U.K	160 ms	<1%
3	Singapore	90 ms	<1%
4	Hong Kong	130 ms	<1%
5	Tokyo	160 ms	<1%
6	Australia	300 ms	<1%

- 3. No of IP addresses FQDN and Enablement of Voice Port as per the table given below

	Description		
1	Number of IP Address	Minimum 256 required for 50 Mbps	
2	IP Address to FQDN reverse Mapping Provided	Yes	
3	Enabling the voice port for video Conferencing/Multimedia applications	Yes	

*Ahsan*  
09/02/21

### **Service Obligations**

*The vendor will be responsible for the comprehensive maintenance during the entire agreement period after the acceptance of installation & testing of hardware for which Jamia Hamdard will not make any extra payment*

The vendor will do preventive maintenance service once a quarter for upkeep of the system running. The schedule will have to be adhered to by him.

99.0% uptime shall be calculated as per SLA. Deduction in payment will be made for downtime in the quarterly bills raised by the ISP.

The services shall be provided 24 hours & 7days in a week

### **Service Parameters**

*The bidder shall provide following reports on the web for reviewing service parameters.*

- Actual Bandwidth
- Summary of usage weekly, monthly and quarterly
- Monthly network bandwidth availability

### **Service report**

The bidder shall provide web based interface access capable to provide the Bandwidth utilization (In Mbps), Packet loss (in %), latency report to Jamia Hamdard, New Delhi - 62

*Ahsan*  
09/02/21

Dy. Registrar

JAMIA HAMDARD(SFS) 2019-20

HAMDARD NAGAR  
NEW DELHI-110062

WEB SITE EXP  
Ledger Account

1-Apr-2020 to 31-Mar-2021

Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
1-7-2020	Cr Shyam Spectra Pvt. Ltd.	Journal	13	1,01,775.00	
21-7-2020	Cr TDS CONTRACTOR	Journal	19	7,965.00	
19-8-2020	Cr TDS CONTRACTOR	Journal	31	1,01,775.00	
5-10-2020	Cr TDS CONTRACTOR	Journal	47	1,01,775.00	
21-10-2020	Cr TDS CONTRACTOR	Journal	55	1,01,775.00	
				4,15,065.00	
	Dr Closing Balance				4,15,065.00
				<b>4,15,065.00</b>	<b>4,15,065.00</b>

ACTUAL ESTIMATE