

Madhav Institute of Technology & Science, Gwalior – 474005
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

The Institute is also in the process of procuring the addition backup leased line of 100 MBPS. The order has been placed. Commissioning is in process.

Organisation Details		Buyer Details	
Type:	State Autonomous	Name:	Prabhakar Sharma
Ministry:		Designation:	Incharge, CCC
Department:	Technical Education and Man Power Planning Department Madhya Pradesh	Email ID:	buycon31.mts.gwa@gembuyer.in
Organisation Name:	N/A	GSTIN:	N
Office Name:	Madhav Institute Of Technology & Science, Gwalior	Address:	Madhav Institute of Technology & science, Gwalior, PO Residency, Gola Ka Mandir, Gwalior GWALIOR MADHYA PRADESH - 474011

Financial Approval Detail	
Designation of official providing Administration approval:	DR R K PANDIT DIRECTOR
IFD Concurrence / Competent Authority (HOD / Head of Office) Approval Required?	NO
Budget availability	YES
Designation of official providing Financial approval:	DR R K PANDIT DIRECTOR

Seller Details	
Company Name:	ISHAN NETSOL PRIVATE LIMITED
Email ID:	finance@ishanitech.biz
Address:	ISHAN NETSOL PRIVATE LIMITED RAJKOT GUJARAT - 360001

Service Details						
#	Services	Ordered Quantity	Price per Quantity	Contract Period	Billing Cycle	Est. Amount
1	Internet Bandwidth and Replication Service	1	475200.0	Start Date: 03.03.2021 00:00 End Date: 02.03.2022 00:00	quarterly	475200.0
Total Order Value (in INR)						475200.0

Consignee Details				
S.No	Consignee	Service-Name	Service-Details	Quantity
1	Prabhakar Sharma buycon31.mts.gwa@gembuyer.in Madhav Institute of Technology & science, Gwalior, PO Residency, Gola Ka Mandir, Gwalior GWALIOR MADHYA PRADESH - 474011	Internet Bandwidth and Replication Service	Router/ Networking Accessories : Provided by Seller Link Type(Manageability) : Managed Bandwidth Capacity (In Mbps) : 100 Packet Drop (In percentage) : less than 1 Type of Media : Fiber Latency outside India : Less than 200 ms DDOS with Internet Lease line Services : NO Static IP required (For ILL) : 8 Latency within India : Less than 90 ms Type of Service : Internet Leased Line License of Internet lease line (ILL) : Class A Types of Service providers : Government Service provider, Private Service provider License of Lease Line (LL/PP) : National long Distance (NLD)	1

PSM
Prabhakar Sharma
I/C, Central Computer Center



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."

- Home
- About Us
- Design and Architecture
- Services
- Connected Institutions
- News and Announcements
- Gallery
- Documents
- Contact
- Copyright Policies
- Terms & Conditions
- Sitemap

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 over 1640 institutions under various categories throughout the country.

Show entries

List of Institutions Currently Connected

--All Category--
Search:

Institute Name	Category
Madhav Institute of Technology & Science, Gwalior	Engineering

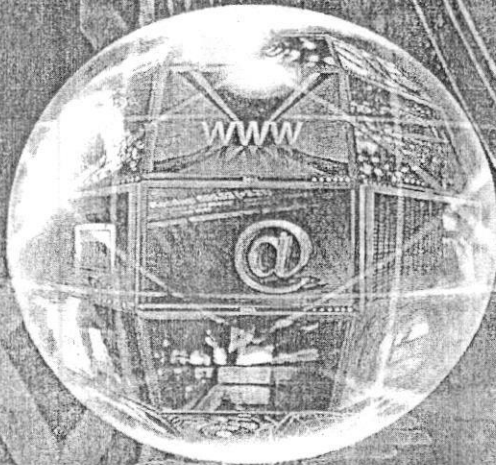
Showing 1 to 1 of 1 entries (filtered from 1,640 total entries) Previous Next



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**NATIONAL
INFORMATICS
CENTRE** **NIC**
THE IT SUPPORT PROFESSIONALS



Memorandum of Understanding (MoU)
between
National Knowledge Network (NKN)
and

Madhav Institute of Technology & Science, Gwalior

**National Knowledge
Network**

MoU FOR SERVICES ON NATIONAL KNOWLEDGE NETWORK

This MoU (this "Agreement"), dated 11.01.2013 is entered into by and among

PARTIES TO THE MEMORANDUM

National Informatics Centre (NIC), Department of Information Technology, Ministry of Communication and Information Technology, Government of India at (Block-A, CGO Complex, Lodi Road, New Delhi-110003) which is the "Project Execution Agency (PEA)" for coordinating the implementation of National Knowledge Network (NKN) Project by the designated High Level Committee (HLC) on NKN.

AND
Madhav Institute of Technology & Science, Gwalior
hereinafter referred to as 'User' with office at MITS

RECITALS:

WHEREAS,

- a) NKN is a state of art Multi-Gigabit Pan-India network. It has been designed to ensure the highest level of availability, quality of service, and robust, secure and reliable connectivity for extending network based services.
- b) "Project Execution Agency (PEA)" is the implementing agency on behalf of NKN Project, till such time a Special Purpose Vehicle (SPV)/Successor is not established. Once the SPV/Successor is established then all the roles agreed for by "PEA" in this agreement shall be as it is, transferred to the SPV/Successor.
- c) Pursuant to the terms and conditions of this Agreement, User desires to obtain Right of Use in the NKN network, upon accepting the terms and conditions set forth in this Agreement.

NOW THEREFORE, the User desires to use / make certain services available via a connection to NKN and the Parties have agreed that those services be made available on the terms and conditions set out in this Agreement. In consideration of the matters recited, the commitments contained herein, and the purpose and scope, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. DEFINITIONS

The following terms shall have the definitions indicated. Capitalized terms not defined in this Agreement shall have the meaning ascribed to them in the Agreement.

"Access Link"	the access link and/or other equipment which is required to make the connection between the User's network and NKN;
"Agreement"	this agreement, including its Exhibits, as may be amended from time to time under Clause 24.2;
"Clause"	a clause or sub-clause of this Agreement;
"Connectivity"	is the term used to describe the network based connectivity between the PEA and the User

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"Confidential Information"	all information (in whatever form) designated as such by the other Party together with such information which relates to the business affairs, networks, computer systems and installations, technology, developments, trade secrets, know-how, products, services or personnel of the other Party, or users and Users (or potential users and Users) of the other Party's products or services, or information which may reasonably be regarded as the confidential information of the other Party;
"Fees"	the fees payable by the User to NKN under this Agreement, as set out in Clause 5;
"Fiber Mile"	means a linear mile of one strand of Lit Fiber, which length shall be measured along the path of the cable route, and not by vertical and horizontal distance;
"Interruption"	means any failure, interruption, impairment or degradation of the operation of the NKN Fibers that commercially impairs NKN's use of the Fiber between two adjacent PoPs (but not including any failure, interruption, impairment or degradation caused by User);
"Maintenance"	shall mean Scheduled Maintenance;
"PoP"	means a terminal facility (Point of Presence) used for origination/termination of traffic and shall not include sites used extensively for regeneration or amplification;
"Services"	the services which the User is permitted to provide to Users on NKN pursuant to this Agreement, as may be amended in accordance with this Agreement;
"User"	Organization/Establishment which shall have a NKN connection

Also,

- a) Clause headings are inserted in this Agreement for convenience only and they shall not be taken into account in the interpretation of this Agreement.
- b) The singular includes the plural and vice versa.
- c) References in this Agreement to "Party" or "Parties" mean party or parties to this Agreement.

2. TERMS OF AGREEMENT

This Agreement shall commence on the Commencement Date and, subject to earlier termination in accordance with the provisions of this Agreement, shall have an initial term till "31st December 2019". In case there are any additions/modifications required in the agreement, it shall be modified on a case to case basis as per the decision of the High Level Committee of the NKN Project. After the initial term, this agreement shall be renewed as agreed by the parties to this agreement unless:

- 2.1 PEA gives the User, a written notice to terminate this Agreement, either at the end of the initial term, or based on a notice to be provided at least three (3) months in advance; or

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Madhav Institute of Technology & Science
Warananagar, Gwalior

2.2 User gives PEA, a written notice to terminate the Agreement. At any time, such notice shall be provided at least three (3) months in advance. (Refer to section-20 for details)

3. PROVISION OF SERVICE

- 3.1 Subject to the User complying with the terms and conditions of this Agreement, PEA shall provision NKN Services to the User.
- 3.2 PEA shall use all reasonable endeavors to provide the service in accordance with the standard Network Service Levels.
- 3.3 Access to NKN Project is provided by the PEA:
 - a) On a non-exclusive basis, where the PEA shall be entitled to allow / provide others the same or similar service at any time; and
 - b) Solely for the purpose of providing the services to users.
- 3.4 The Service does not include:
 - a) Internet Protocol (IP) transits other than to the Users.

4. RESPONSIBILITIES OF PARTIES TO AGREEMENT

4.1 Responsibilities of User

- a) The user shall appoint one technical personnel to be the single point of contact for the PEA and one alternative technical contact in case former is not contactable / available for whatsoever reason may be. This person shall be responsible for all communications, correspondence and actions between the User and the PEA. The PEA shall not be required to get in touch with any other person at the User.
- b) The User shall supply or provide the Access Link, Equipment Space (at least 10 X 10 Sq. ft. in the beginning), Personal Computers, Air Conditioners, UPS etc. (including but not limited to) at its own expense in order to enable PEA to provide the NKN Services. The goods and services provided by the User should be compatible with the project requirements, as intimated to the nodal officer from User. User shall also be responsible for the suitability, sufficiency, repair and maintenance of the equipment provided by them.
- c) The User shall ensure that the Access Link, Equipment Space (at least 10 X 10 Sq. ft. in the beginning), Personal Computers, Air Conditioners, UPS etc. (including but not limited to) is suitable for the connection and service through the NKN project and in accordance with the reasonable instructions of the PEA and/or its sub-contractors. The user should consult the PEA for prior approval before acquiring any goods and/or services for the project and PEA will follow recommended specifications for approving such goods and/or services.
- d) In case the PEA chooses to use NKN's resources installed at the User's site to connect another User to the network, the User shall allow full access to the PEA personnel for such implementation including access to equipments and space in its premises, pertaining to NKN connectivity.
- e) In case the User decides to shift the location of the Institute then, in order to enable the PEA to arrange for such shift, the User shall inform the PEA three (3) months in advance. (For further details pertaining to location shift please refer Section 5)
- f) **Security.** User shall ensure the security of the entire NKN project related equipment (both owned by the User & PEA and/or its sub-contractors), installed within User's compound (List of PEA Equipment shall be maintained as per **Exhibit C**). This shall also

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IN CHARGE
TECHNICAL SERVICES & SUPPORT
NKN

include managing the Facilities Management System (FMS) within the Institute Compound, along with the following:

- i. Collecting and maintaining contact details of NKN Nodal officer assigned to User;
 - ii. Maintaining the escalation procedure/process and contact information for contacting the next level officer of PEA, dealing with the User Account.
- g) **Accessibility in User Compound.** The User shall ensure accessibility to the nominated personnel of the PEA and/or its sub-contractors, twenty-four (24) hours a day, seven days a week for the NKN project related equipment within the compound of the User.

4.2 Responsibilities of PEA

- a) PEA shall be responsible for connecting the Access Link to User equipment.
- b) PEA shall provide support services for NKN project. The support services may include:
 - i. Provide contact details of the Nodal Officer to the NKN User.
 - ii. Provide services support for the NKN Network.
- c) PEA shall not be responsible for any failure to provide the Service if and to the extent such failure is attributable to the lack of an Access Link, Equipment Space, Personal Computers, Air Conditioners, UPS etc. (including but not limited to) or to any deficiency or problems with the above.

5. FEES

- 5.1 As per the NKN project approval by the cabinet committee, the link provided by the NKN project is free of charge. However, in due course of time if the Government decides to charge any amount then, the applicable charges and terms & conditions shall be communicated to the User.
- 5.2 **Shifting of Last Mile Connectivity of Edge links:** In case, the "User" shifts the last mile connectivity of edge links provisioned by the PEA within the initial service period of 2 years of provisioning the Link then, the PEA shall be liable to charge the service fee for 2 years assuming the link has been live for the period of 2 years, as a substantial amount is incurred in provisioning of last mile expenditure on Network.

The provisioning of links to a new location shall be on the basis of examination of the feasibility of new location as mutually agreed on case to case basis.

Examples

Case#1: In case of a 1Gbps link of >20 Kms is being shifted in the first 6 months, the fee payable by the User to the PEA shall be Rs. 30 lakhs (Balance 1.5 year X Rs. 20 lakhs per year for 1Gbps link)

Case#2: In case of a 1Gbps link of >20 Kms is being shifted in the first 18 months, the fee payable by the User to the PEA shall be Rs. 10 lakhs (Balance 0.5 year X Rs. 20 lakhs per year for 1Gbps link).

- 5.3 In case of any changes to the standard tariffs, the PEA shall notify User in writing. For such changes to take affect under this Agreement, the PEA shall inform the User at least three (3) months prior to implementation of such changes.

RSK

[Signature]
DIRECTOR
NKN
National Knowledge Network & Services
www.nkn.gov.in

6. COMPLIANCE WITH POLICIES (Issued from Time to Time)

- 6.1 The User shall comply (and shall ensure that its officers, employees, contractors and agents comply) at all times with PEA's current versions of the Policies.
- 6.2 PEA reserves the right to amend the Policies from time to time. In case of any amendments, PEA shall notify the User of the updates and make available to the User a copy of the amended Policy or Policies (as appropriate).

7. PUBLICITY

- 7.1 Either party may make any press or other public announcement in relation to the NKN Services to Users, provided that:
 - a) the first such announcement by the User is made in the manner and in the form which has been agreed in writing with the PEA, prior to its release;
 - b) no such announcement discloses any of the terms of this Agreement (including, without limitation, any financial terms), to the extent that such disclosure is agreed in advance in writing between the Parties or is permitted by Clause 15;
 - c) User does not use any logo or device of NKN (or any logo or device which incorporates or which is confusingly similar to any such logo or device) without PEA's prior consent.

8. ACCESS TO TRANSMISSIONS

PEA and its sub-contractors shall have the right to examine all transmissions made along NKN, where PEA has reasonable grounds to believe that such transmissions are in breach of this Agreement and are of a nature which is likely to cause harm or distress to anyone or are otherwise in breach of any law or regulation. PEA and its sub-contractors shall also have the right to remove (or otherwise cause not to be transmitted on NKN) any material which, in its reasonable opinion, is of such a nature. Such material shall be treated as the Confidential Information of the User in accordance with Clauses 15.1, 15.2 and 15.3. The right to all final decisions on access to transmissions lies with the PEA.

9. MAINTENANCE AND FAULT REPAIR OBLIGATIONS

- 9.1 It shall be the responsibility of User to notify the occurrence of fault to NKN.
- 9.2 PEA shall perform or cause to be performed under its direction all necessary repair and replacement ("Repair"), necessary to maintain the physical integrity and performance of the Network. User is prohibited from performing any repair or maintenance on the NKN Network and/ or system facilities.
- 9.3 User shall provide to PEA, or its designee, access to any facilities under User's control which are used in connection with the NKN and / or the system facilities to enable NKN Project, in its sole discretion, to perform testing, adjustments, demand or maintenance or other procedures which are necessary or desirable to manage the NKN and/ or the system facilities in accordance with Exhibit A.
- 9.4 With respect to the swapping, leasing, conveying, assigning or transferring of NKN's edge links, User shall require its transferees to execute NKN's then standard maintenance agreements and pay NKN's standard fees, as applicable. In such a case, the transferee shall be responsible directly to PEA for any agreements pertaining to maintenance fee and any other fee, if applicable. If the transferee fails to pay any such fee, User (transferor) shall continue to be responsible for the same.

10. WARRANTIES

10.1 PEA warrants that:

- a) It shall, at all times exercise reasonable skill and care in providing the NKN Service.
- b) It holds and shall hold for the duration of this Agreement all licenses and authorizations as may be required to provide services to the User.

10.2 The User warrants that:

- a) It shall take all reasonable endeavors to ensure that it introduces no virus, Trojan horse or worm into NKN and follow the NKN security policies to manage the security aspects;
- b) It holds and shall hold for the duration of this Agreement all necessary licenses, consents and authorizations as may be required to provide the services to its officers, employees, agents and students;
- c) It shall provide the services and shall carry out the obligations in this Agreement in accordance with all applicable telecommunications, data protection and other laws, licenses and regulations; and
- d) It has the full right, power and authority to enter into and perform this Agreement in accordance with its terms, and such entry and performance does not and shall not violate or infringe the intellectual property or other rights of any other person.

11. LIMITATIONS OF THE SERVICE

While PEA shall use its reasonable endeavors to provide Users a continuous service, the User acknowledges and accepts there is a regular "Scheduled Maintenance Period" during which time the whole or part of the service may not be available.

12. LIABILITY

- 12.1 Neither Party excludes or limits liability to the other Party for death or personal injury caused by that Party's negligence, or for fraud.
- 12.2 Under no circumstances shall either Party be liable to the other for:
 - a) any loss or harm caused by any person using NKN;
 - b) any loss of profits, loss of savings, loss of use, loss of business, loss of opportunity, loss or spoiling of data, lost or wasted management time or time of other employees, or for any indirect, special or consequential loss, whether arising from negligence, or breach of contract, or in any other way, even if the other Party was advised of or knew of the likelihood of that loss or type of loss arising.


13. CHANGES TO SERVICES

Whenever the User identifies the need to change the services, it shall complete the template of Change Control Notice (as given in **Exhibit B**) and shall submit it to PEA. The User must provide full details of change requested and any consequential amendments to this Agreement. The proceeding details have also been prescribed under **Exhibit B**.

14. PROVISION OF CONTACT INFORMATION

All communications with the User concerning this Agreement shall be with the Technical Nodal Officer nominated by the User in writing pursuant to this Section 14. The User shall provide to PEA, the contact information for each nominated individual (*minimum details shall include name,*




DIRECTOR
National Technical Research Source
University of Malaya

telephone number, fax number and electronic mail address - as per Exhibit D) and shall notify PEA of any changes to those individuals or their contact details as and when they occur. Notification for the purposes of this Section 14 should be sent by letter or electronic mail and should be addressed to the Nodal officer at the PEA.

15. CONFIDENTIALITY

- 15.1 Subject to Clauses 15.2 and 15.3 each Party shall:
- a) use confidential information only for the purposes of this Agreement;
 - b) disclose confidential information to a third party only with a prior written consent of the other Party (except that each Party may disclose Confidential Information to its professional advisors or auditors to the extent necessary and as set out in Clauses 15.2 and 15.3); and
 - c) ensure that any third party (other than the professional advisers or auditors of either Party) to whom confidential information is disclosed executes a confidentiality undertaking in the terms of this Clause 15.1.
- 15.2 The provisions of Clause 15.1 shall not apply to any confidential information which:
- a) is in or comes into the public domain other than by breach of Clause 15.1; or
 - b) is or has been independently generated by the recipient party or was in the possession of the recipient party prior to the date of the disclosure.
- 15.3 Each party may disclose confidential information pursuant to a statutory obligation, an order of a court of competent jurisdiction or the requirement of a competent regulatory body provided that it notifies the other Party as soon as the requirement to notify arises and shall use its reasonable endeavors to ensure that any such disclosure is made in a manner which ensures the confidentiality of the confidential information.

16. FORCE MAJEURE

Any failure of either party to perform its obligation under this Agreement shall not be a breach of this Agreement if such failure results from Acts of God, governmental action that did not result from wrong doing of the party involved in such governmental action, or labor strikes or walkouts that could not reasonably be avoided by the party subject to such labor strike or walkout. Each party shall, with the cooperation of the other, exercise reasonable efforts to mitigate the extent of a delay or a failure resulting from a *force majeure* condition and the adverse consequences thereof.

17. ARBITRATION

On all aspects where the above articles of this MoU are silent or for special cases of deviation from these articles, the decision mutually agreed upon NIC and User will be final. However, in case of any dispute relating to or arising out of the MoU, such dispute shall be resolved amicably by mutual consultations. If such resolution is not possible, then the unresolved dispute or difference shall be referred to the arbitration of a sole arbitrator to be appointed by Secretary, Deptt. of Legal Affairs, Govt. of India. The Arbitration and Conciliation Ordinance, 1996 together with any modifications or re-enactment thereof and rules framed there under, as amended from time to time shall not be applicable to such arbitration proceedings under this clause.



18. INDEMNITY

PEA shall stand indemnified from all aspects of usage of the outcome creation of NKN including any eventual running of application covered under cyber law related crimes and for any antinational activities arising out of the usage of the Links. In case such activity occurs on the Link provided to the User, then the User shall be held responsible for the damages pertaining to the misuse of NKN Link.

19. NON SUABILITY

Neither of the co-signatories to this Agreement could be sued in any court of law in India or abroad by the other party, for the events if any party is not able to perform as per any of the stipulations of this Agreement, due to circumstances beyond their control.

20. TERMINATION OF SERVICES / AGREEMENT

- 20.1 In case, the "User" terminates the last mile connectivity of the links provisioned by the PEA within the initial period of 2 years of provisioning the Link then, the PEA shall be liable to charge the service fee for 2 years assuming the link has been live for the period of 2 years, as a substantial amount is incurred in provisioning of last mile expenditure on Network.

The provisioning of links to a new location shall be on the basis of examination of the feasibility of new location as mutually agreed on case to case basis.

Example: In case of a 1Gbps link of >20 Kms is being terminated in the first 6 months, the fee payable by the User to the PEA shall be Rs. 30 lakhs (Balance 1.5 year X Rs. 20 lakhs per year for 1Gbps link)

- 20.2 Either Party ("the first Party") may terminate this Agreement with immediate effect by giving written notice to the other ("the Second Party"), without any compensation or damages due to the second party, but without prejudice to any other rights or remedies which either Party may have, if:
- the second party commits a breach of this Agreement which is not capable of remedy;
 - the second party commits a breach of this Agreement which is capable of remedy but is not remedied within three (3) months of receipt of written notice from the first Party or;
 - if and for so long as PEA believes that the Services used by the User, or the Access Link or the Service, do not comply with any law or regulation or cause disruption or damage to NKN, or have an adverse effect on other services available to any other User or on NKN's business relationships with any other third parties, or if PEA believes that any of the above situations appear likely.
- 20.3 If and for so long as PEA believes that the Access Link (or the User's use of it) causes or appears likely to cause death or personal injury, or material damage to property; or
- 20.4 The second party's ability to survive as an independent entity is threatened or is lost owing to any reason whatsoever, including inter-alia the filing of any bankruptcy proceedings against the second party, any failure by the second party to pay any of its dues to its creditors, the institution of any winding up proceedings against the second party or the happening of any such events that are adverse to the commercial viability of the second party.

20.5 In the event that PEA exercises its right to suspend the service pursuant to this Agreement, it shall, whenever reasonably practicable, give reasonable prior written notice of such suspension to the User, for which the notice shall state the grounds of such suspension and its expected duration. Where any such suspension is made in accordance with this Clause 20.4, then NKN shall, where reasonably practicable use its reasonable endeavors to minimize the effect of and the duration of any such suspension.

21. CONSEQUENCES OF TERMINATION

- 21.1 On expiry or termination of this Agreement:
- a) the PEA shall immediately cease to provide the services and shall disconnect the Access Link or at User's option, shall permit PEA to disconnect the Access Link; and
 - b) both parties shall remove any references to the availability or provision of the services on NKN from any and all publicity materials in whatever form in their possession or control (including, without limitation, any such references on the Parties respective websites) within fourteen (14) days after the effective date of termination or expiry.
- 21.2 Where Agreement is terminated, PEA shall not be obliged to refund or waive any fees (or any proportion of them) which has been paid or has become payable by the User.
- 21.3 Where this Agreement is terminated, the PEA shall reserve all rights to withdraw / remove all equipment installed at the User's site by the PEA for the implementation of the NKN project.

22. NOTICES

All notices, requests or consents provided for or permitted to be given under this Agreement shall be in writing and shall be deemed effectively given when personally delivered or mailed by pre-paid certified/registered mail, return receipt requested, addressed as follows and shall be deemed received two (2) days after mailing or on the date of delivery, if personally delivered:

To NIC at: National Informatics Centre (NIC), Department of Information Technology, Ministry of Communication and Information Technology, Block-A, CGO Complex, Lodi Road, New Delhi - 110003 e-Mail: piu@nic.in	To User at: MITS Gwalior GOLA KA MANDIR, RESIDENCY, GWALIOR (M.P.) - 474005
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Any Party may change the address to which notices are to be directed by it to the other party in the manner specified above.

A notice served on a representative/nodal officer is taken as notice to that representative's party.

23. RELATIONSHIP BETWEEN THE PARTIES

The relationship between the parties is that of independent contractors, and at no time shall either party hold itself out as being the principal, agent or partner of the other.

24. GENERAL

24.1 This Agreement constitutes the entire agreement between the parties relating to the subject-matter of the Agreement. The User acknowledges and agrees that it has not relied on any statement or representation made by PEA in agreeing to enter into this Agreement. Nothing in this Clause 24.1 shall operate to limit or exclude either Party's liability for fraud.

24.2 No variation to this Agreement shall be effective unless it is in writing and signed by authorized signatories for both Parties. An addendum for such changes shall be sent to the parties to this agreement.

In Witness Thereof, the parties have agreed this Services Agreement to be executed by their duly authorized representatives to be effective as on the 11.01, 2013 at New Delhi.




For and on behalf of:	
Details	National Informatics Centre (NIC), DIT, MOC&IT, Block-A, CGO Complex, Lodi Road, New Delhi-110003 Madhav Institute of Technology & science, Gwalior GOLA KA MANDIR, RESIDENCY, GWALIOR (M.P.) - 474005
Signature:	 DIRECTOR Madhav Institute of Technology & Science
Name:	Dr. Sanjeev Jain
Designation:	DIRECTOR
Date:	11.01.2013
Place:	Gwalior
In the Presence of:	
Signature:	
Name:	PROF. R.K. GUPTA
Designation:	PROF
Date:	11.01.2013
Place:	GWALIOR
Signature:	
Name:	Prabhakar Swami
Designation:	Asst. Professor
Date:	11.01.2013
Place:	Gwalior

Exhibit A: USER'S MAINTENANCE RELATED RESPONSIBILITY

1. Any fault duration (i.e. downtime) shall be calculated from the time that fault is reported.
2. The User shall ensure availability of staff that is capable of dealing with the NKN Project related equipment/router. The period in which Institute premises is found closed or no staff is available when maintenance staff visits the premises for testing or want to test the circuit from location, shall be excluded from fault duration.
3. The User shall provide all necessary assistance and access to its facilities for preventive and corrective maintenance to PEA's maintenance staff at all times.
4. In addition to the above following shall be excluded from fault duration:
 - a) Unavailability of circuit due to power failure at User's end.
 - b) Unavailability of circuit due to mishandling of equipment or any cables attached to such equipment at User's end.
 - c) Unavailability of circuit due to fault in User's Premise equipment / network.
 - d) Unavailability of circuit due to force majeure.
 - e) Unavailability of circuit due to Planned Service Outages or Routine Maintenance.
 - f) Interruptions during any period when the User chooses / elects not to release the service for testing or repair and continues to use the service on an impaired basis.
 - g) Interruptions during any period when the User has not released the service to NKN for maintenance or for the implementation of a User service request.
 - h) Interruptions caused by the negligence of the User including provision of inaccurate information.

Procedure of Fault Booking

- a) User shall book the fault on assigned number of NKN Project related Helpdesk i.e. *MITS Gwalior*
 - i. The problem related to any service outage can be reported to NKN Project related Helpdesk callout facility on all week days at any time during twenty-four (24) hours a day, seven (7) days a week. Any service outage occurred during the time mentioned above shall be reported to NKN Project's PoP on the same working day.
 - ii. The services of the engineer would be available between 9:00 am to 9:00 pm on all working days of PEA and between 9:00 am to 5:00 pm on PEA's Holidays (including Saturdays & Sundays). Additionally, services shall be provided outside these hours on call basis in case of emergency only. For, all other services it shall be attended on the next day after 9:00 am.
- b) Where the User is unable to find PEA's representative on the number assigned above, the fault can be booked on MITS which shall work as alternate number in such emergency. Status/fault report generated by PEA (to the extent provided by the system) shall be taken, as reference if situations where there is ambiguity about the timing and nature of fault.

Escalation matrix for the faults would be as follows:

- i. Level 1: Call centre nos. as provided above
- ii. Level 2: User's Nodal Officer in each PoP
- iii. Level 3: Head / In charge of PoP in each State
- iv. Level 4: National Head Office, National Knowledge Network

PPH

Exhibit B: CHANGE CONTROL

1. Before the Change Control Notice is finalized and signed by a nodal officer on behalf of the PEA, both Parties shall discuss in good faith the proposed changes.
2. On receipt of the Change Control Notice, PEA shall consider the change. PEA may request further information and/or clarification from the User. Once this information has been provided, PEA shall, within Twenty-One (21) Days or other agreed time, complete the Change Control Notice and provide the following information:
 - a) authority to proceed with this change or not; and
 - b) any other comments (including details of consequential amendments required to this Agreement).
3. A Change Control Notice signed by both Parties shall constitute an amendment to this Agreement.

CHANGE CONTROL NOTICE

Ref No:

Title of Change:

Date:

Details of Change:

Reasons of Change:

Description and Extent of Change:

Impact of Change:

Originator Authority:

Signature & Stamp

Comments by NKN Official:

Price:

NKN Authority:

Signature & Stamp

NKN
Confidential

PM

Jay
DIRECTOR
Ministry of Health & Science

NIC
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Exhibit C: LIST OF EQUIPMENT TO BE SUPPLIED TO THE USER BY THE PEA

Sr. No.	Description	Quantity	Serial Number	Signature (Authorized Signatory)
1	Router	01	-	-

Exhibit D: CONTACT INFORMATION FOR USER'S PERSONNEL (NODAL OFFICER)

Sr. No.	Name of Individual	Telephone Number	Fax Number	E-Mail Address
1	Dr. Sanjeev Jain	0751-2409300	0751-2664684	
2	Prabhakar Sharma	0751-2409309	-	psharma70@yahoo.com
3	Atul Chauhan	0751-2409396	-	itsatulechauhan@gmail.com

Signature

Signature
DIRECTOR
Ministry of Health and Family Welfare
Government of India

अच्युतन मोहन
महानिदेशक
Achuthan Mohan
Director General



भारत सरकार
संचार एवं सूचना प्रौद्योगिकी मंत्रालय
इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी विभाग
राष्ट्रीय सूचना-विज्ञान केंद्र
ए-ब्लॉक, केंद्रीय कार्यालय परिसर, लोधी रोड
नई दिल्ली-110 003
Government of India
Ministry of Communications & Information Technology
Department of Electronics & Information Technology
National Informatics Centre
A-Block, C.G.O. Complex, Lodhi Road
New Delhi-110 003
Tel : 91-11-24361504, 24361447
Fax : 91-11-24364873 E-mail : dg@nic.in

Sub: Invitation for participation in the 2nd NKN Annual Workshop to be held at IISc, Bangalore between 17-19 Oct 2013

Dear Sir,

On behalf of the NKN Workshop Organising Committee, I am glad to inform you that the second NKN Annual Workshop will be held at IISc, Bangalore from 17th to 19th October 2013. The workshop is being jointly organized by NIC and IISc, Bangalore.

The theme of the workshop is “**Enhancing Research Collaborations through NKN**”. The workshop builds on the momentum of the 1st NKN workshop held in 2012. The objective is to focus on different sectors/areas where NKN can play a significant role. It also aims at fostering collaborations and to provide a platform for initiating a dialogue amongst the target groups.

The workshop aims to provide an in-depth technical foundation to the design and implementation of National Knowledge Network. In particular, the workshop will provide participants with the knowledge and resources required to analyze, plan, design, and implement NKN within their organization's infrastructure.

Over the three days, the participants would be exposed to sessions on the best practices of deploying a network, and get a peek into the on-going experiments on NKN of a few selected user Institutions. Live demonstrations of some of the applications will also be showcased.

I would like to take this opportunity to invite you to be part of this event and make it a memorable occasion of networking and sharing of ideas. It is also requested to nominate officials from your institute to attend two different streams of the NKN Annual workshop as mentioned below:

Stream 1

- Sessions under this stream would take place on **17th and 18th Oct 2013**. It would focus on user experience and live demos that would be demonstrated by the institutes who have been utilizing



National Knowledge Network

Connecting Knowledge Institutions

the benefits of NKN for research collaboration, and other achievements. I would request you to nominate one team member from your institute for this stream. The nominated official would get a chance to meet, interact and clear any doubts in configuration/deployment as well as gain an effective understanding on the usage of NKN.

Stream 2

- On the third day i.e. **19th Oct 2013**, we have scheduled NKN technical sessions and tutorials. It would cover technical information on architecture, configuration, migration, security, IPv6 roll out and other services that NKN supports for its operational and functional requirements. You may please nominate one technical team member who has a good understanding of networks as he / she would benefit from these tutorials and understand the technical NKN requirements for future support.

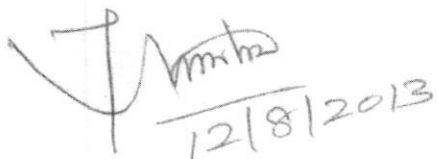
Participation to the workshop is free and would be strictly through an online registration process. Registration will open on 17 August 2013 and close on 10 September 2013. For details please visit the NKN website <http://www.nkn.in>.

We would request your cooperation in forwarding this mail to the team members nominated by you to attend the workshop. As there are few parallel sessions also, participants are requested to fill the appropriate session of their choice and ensure attendance accordingly. This would also help us in making suitable arrangements at the respective venues.

Please find enclosed the announcement brochure of workshop and NKN leaflet for your information. More details and regular updates will be available on NKN web site at www.nkn.in. Looking forward to meeting you in Bangalore.

With kind regards,

Yours Sincerely,



(A. Mohan)



National Knowledge Network

Connecting Knowledge Institutions

Panel chaired by - Dr R Chidambaram

Accelerating Science & Education research through NKN		
1830 hrs - 1930 hrs	Speakers: 1) Sh J Satyanarayana 2) Prof N Balakrishnan 3) Prof S V Raghavan 4) Sh A Mohan 5) Sh Rajat Moona	Topics: 1) eTaal 2) Super Computing 3) eEducation 4) Query Optimization 5) Grid vs Cloud
1930 hrs onwards	Dinner for all participating delegates & guests	



**TENTATIVE AGENDA FOR SECOND ANNUAL NKN
WORKSHOP, IISc, Bangalore (Ver. 12A)**



Enhancing Research Collaborations through NKN

Day -1 (17 Oct, Thursday)		
INAUGURAL SESSION		HALL - J N Tata Auditorium
0900 hrs – 1000 hrs	Registration & Welcome Tea	
1000 hrs - 1010 hrs	Dignitaries to be invited on Dais	
1010 hrs – 1020 hrs	Welcome address by Prof P Balaram, Director, IISc.	
1020 hrs – 1025 hrs	Address by Prof S V Raghavan, Scientific Secretary to the O/o PSA to Gol	
1025 hrs - 1030 hrs	Address by Dr B K Gairola, Mission Director, eGov	
1030 hrs - 1035 hrs	Address by Sh J Satyanarayana, Secretary, DeitY	
1035 hrs – 1045 hrs	Address by Dr R Chidambaram, PSA to Gol & Chairman HLC – NKN	
1045 hrs – 1055 hrs	Address by Sh. Sam Pitroda, Advisor to Prime Minister of India on PIII	
1055 hrs – 1115 hrs	Key note by Prof. N Balakrishnan, Associate Director, IISc.	
1115 hrs – 1125 hrs	Vote of Thanks by Sh A Mohan, DG (NIC)	
1125 hrs – 1145 hrs	Tea break	
Session – 1: No Parallel Session		Hall - J N Tata Auditorium
NKN eInfrastructure	Session chaired by -	
1145 hrs – 1230 hrs	NKN Status & NKN Services	Sh. R S Mani
1230 hrs – 1300 hrs	Challenges in setting interactive classroom	Mr V T V Ramana
1300 hrs – 1330 hrs	NKN Future Roadmap	TBD
1330 hrs – 1415 hrs	Lunch	
Session – 2A: Parallel Session		Hall - J N Tata Auditorium
eEducation	Session Chaired by -	
1430 hrs – 1500 hrs	eEducation & Training	Prof Deepak B Phatak
1500 hrs – 1520 hrs	eMedical classroom	Dr. Manoj Singh
1520 hrs – 1540 hrs	Outreach to village schools	Prof. Ronge
1540 hrs - 1600 hrs	Global Classroom	Dr P Venkat Rangan
1600 hrs – 1620 hrs	Tea break	
Session – 2B: Parallel Session		Hall - Satish Dhawan Hall
Applications on NKN	Session Chaired by -	
1430 hrs – 1500 hrs	eFoundry	Prof B Ravi
1500 hrs – 1530 hrs	Live medical application	Dr S Mishra
1530 hrs – 1600 hrs	eCollab DDS	Dr O P Kharbanda
1600 hrs – 1620 hrs	Tea break	
Session – 3A: Parallel Session		Hall - J N Tata Auditorium
Grid Application	Session Chaired by -	
1620 hrs – 1650 hrs	Astrophysics	Dr. Kembhavi
1650 hrs – 1720 hrs	NAL Application	TBD
1720 hrs - 1750 hrs	ISTRAC Application	Sh J D Rao, GM, ISSDC
1750 hrs – 1810 hrs	Robotize operation of synchrotron radiation facility	Dr M V Hosur
1810 hrs – 1830 hrs	Tea break	
Session – 3B: Parallel Session		Hall - Satish Dhawan Hall
International Collaborations	Session Chaired by -	
1620 hrs – 1655 hrs	Joining the dots: E-Infrastructure for Science in Europe	Dr David Foster
1655 hrs – 1730 hrs	European Grid	Dr Alberto Masoni
1730 hrs - 1810 hrs	Open Science Grid	TBD
1810 hrs – 1830 hrs	Tea break	
Panel Discussion and Q&A Session		Hall - J N Tata Auditorium

Day - 2 (18 October, Friday)		
Live Demos and Technical Sessions		
0900 hrs – 0930 hrs	Welcome Tea	
Session – 4: No Parallel Session		Hall - J N Tata Auditorium
International Connectivity Session Chaired by - Prof S V Raghavan		
0930 hrs - 0945 hrs	Recapturing of first day	
0945 hrs - 1015 hrs	TEIN4-NKN Linkage Launch	Dr Byung Kyu Kim
1015 hrs - 1045 hrs	International NKN PoPs	Prof S V Raghavan
1045 hrs - 1115 hrs	INTERNET2 NKN Linkage	TBD
1115 hrs – 1130 hrs	Tea break	
Session – 5: No Parallel Session		Hall - J N Tata Auditorium
eGovernance Session Chaired by -		
1130 hrs - 1200 hrs	LHC Grid	Prof Harvey Newman
1200 hrs - 1225 hrs	NOFN and eGovernance	Dr B K Gairola
1225 hrs - 1250 hrs	National Informatics Infrastructure (NII)	Dr Rajendra Kumar
1250 hrs - 1315 hrs	National Cyber Security Framework	Dr Gulshan Rai
1315 hrs - 1340 hrs	Critical Information Infrastructure Protection	Sh A G Apte
1340 hrs – 1415 hrs	Lunch	
Session – 6A: Parallel Session		Hall - J N Tata Auditorium
Advances in Technology Session Chaired by -		
1415 hrs – 1500 hrs	SDN & Open Flow	Prof Kumar Sivarajan
1500 hrs - 1545 hrs	Gigabit access on wireless	Prof A Paulraj
1545 hrs – 1630 hrs	Internet of things	Prof Anurag Kumar
1630 hrs – 1715 hrs	Indigenous Technology: Now or Never.	Prof Ashwin Gumaste
1715 hrs – 1745 hrs	Tea break	
Session – 6B: Parallel Session		Hall - Satish Dhawan Hall
Grid Applications Session Chaired by -		
1415 hrs – 1500 hrs	Overview of Garuda Grid	Dr Sarat Babu
1500 hrs - 1545 hrs	National Biodiversity Grid	Dr N Balakrishnan
1545 hrs – 1630 hrs	Brain Grid	Dr P Sameer
1630 hrs – 1715 hrs	Open Source Drug Discovery (OSDD)	Dr (Mrs.) Anshu Bhardwaj
1715 hrs – 1745 hrs	Tea break	
Panel Discussion and Q&A Session		Hall - J N Tata Auditorium
Panel Chaired by - Dr R Chidambaram		
1745 hrs - 1845 hrs	Moderator - Prof S V Raghavan	
	Topic - TBD	
	Speakers: Representative from Internet2 Representative from European Commission Representative from Australian National University Representative from Japanese National University	
1845 hrs - 1900 hrs	Vote of Thanks	Prof P S Dhekne / Prof H Krishnamurthy
1900 hrs onwards	Cultural programme followed by dinner for all participating delegates & guests	

Day - 3 (19 October, Saturday)

Live Demos and Technical Sessions

0930 hrs – 1000 hrs	Welcome Tea	
Session – 7		Hall - J N Tata Auditorium
Session Chaired by -		
1000 hrs - 1115 hrs	Efficient interfacing Campus LAN with NKN	Sh. R S Mani
1115 hrs – 1145 hrs	Tea break	
1145 hrs - 1215 hrs	Tuning & Performance	Sh. Gaurav Kansal / Sh. Amit Kumar
1215 hrs - 1300 hrs	Understanding TCP and its evolution	Prof Vinod Sharma
1300 hrs - 1400 hrs	Lunch	
Session – 8A: Parallel Session		Hall - J N Tata Auditorium
Session Chaired by -		
1400 hrs – 1515 hrs	Lecture on Advanced Optical Fiber Technology	TBD
1515 hrs - 1545 hrs	Tea break	
1545 hrs – 1625 hrs	Garuda Grid	Dr. Subrata Chattopadhyay
1625 hrs - 1700 hrs	Cloud Computing	Dr Prahlad Rao
Session – 8B: : Parallel Session		Hall - Satish Dhawan Hall
Session Chaired by -		
1400 hrs – 1515 hrs	Remote operations	Dr M V Hosur
1515 hrs - 1545 hrs	Tea break	
1545 hrs – 1625 hrs	eFoundry	Dr B Ravi
1625 hrs - 1700 hrs	Collab DDS	Dr Savita Dawar
Common to both sessions		
1700 hrs - 1730 hrs	Question & Answer session	Sh R S Mani
1730 hrs - 1800 hrs	Farewell tea	