



F. No. 16-5/2017-TEL
Government of India
Ministry of Human Resource Development
Department of Higher Education

Shastri Bhavan, New Delhi
January, 15th 2018

To
The Vice Chancellors/Heads of all Higher Educational Institutions

Sub: Provision of WiFi services in the campus

Sir/Madam,

The National Convention on Digital Initiatives for Higher Education held in New Delhi on 9th July 2017 has resolved to take all steps required for converting higher educational institutions into digital campuses so as to access educational content through SWAYAM platform. The digital campus presupposes existence of high speed internet access and WiFi facility that would help all the students/faculty to access the same from their laptop and mobile.

2. The creation of digital campus would require a larger national effort involving both private and public players. Some Telecom service providers (TSP) have already evinced interest in participating in this effort. In order to effectively channelize the opportunities that opened up in this regard, the Heads of the higher educational institutions may be advised to contact the Telecom Service Providers (TSP)/ Internet Service Providers (ISPs) (licensed by Department of Telecom for providing Broadband services) for provision of WiFi services in their respective campuses subject to the minimum standards suggested in the enclosure. It is expected that the facility is to be provided by the TSP/ISP at their own cost, there shall be no financial implications to the Institution on account of implementation of this project.

3. For this purpose, letter may be sent by the University/College/Institution to the licensed telecom/internet service providers, and also post it on their respective websites, for their offer to be sent by 15th Feb 2018. For this purpose, the list of Telecom Service providers approved by the Dept of Telecom is available at:

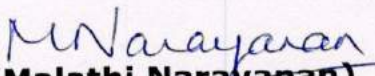
http://www.dot.gov.in/sites/default/files/LIST%20OF%20LICENSEES%20as%20on%2015012014_0.pdf?download=1

The list of Internet Service Providers licensed by the Dept of Telecom is available at:

<http://dot.gov.in/sites/default/files/List%20of%20ISP%20Licenses%20-%20May%202017.pdf?download=1>

4. The Universities may advise all the institutions in their purview to finalize the details and facilitate an early execution so that WiFi in all higher educational institutions would be made available by 15th August 2018.
5. For any clarification or assistance on the guidelines, the Institutions can send a mail to wifimhrd@gmail.com.

Yours sincerely


(Malathi Narayanan)
Deputy Secretary(TE)
011-23385220

Minimum standards for the provision of WiFi service in the campuses

- a) The role of the TSPs: The TSP desirous of participation in this effort shall be responsible for the following:
- i. Conduct the site survey, design, build-own-operate and manage state-of-the-art carrier grade Wi-Fi services at the Institution campus, meeting the optimal coverage and adequate capacity to serve the data download requirements of the students, teaching and non-teaching staff at the campus.
 - ii. Deploy network equipment which shall have carrier grade features such as High Availability, High Reliability, Multiple Redundancy levels, Low Maintenance and Low MTTR.
 - iii. Set up network inside the college, which would consist of optical fibre, Access switches, Wireless Access Points, Security equipment (UTM and Firewall) etc meeting the cost from his own resources. The fibre should also be made available to the institution free of cost for running the campus LAN.
 - iv. Provide Wi-Fi services that support the centralized provisioning, monitoring and enforcing the policies for the subscribers with associated 24*7 monitoring of the network infrastructure on end-to-end basis covering access, backhaul and internet gateway facilities.
- b) Service standards: The TSPs shall maintain the following service standards:
- i. The TSP should offer free data, which shall not be less than 1 GB per month per user (students and faculty) in the university/Institute/college for the entire period of this arrangement.
 - ii. The data speed should not be less than 4 Mbps.
 - iii. WiFi service shall be available at the hotspots selected by the Institution.
 - iv. Each user shall be allowed a minimum of two devices (Laptop/Smartphone) concurrently.
 - v. The broadband network of the TSP should be interconnected to the National Knowledge Network (NKN) at their own cost, so that access to the Educational resources connected to NKN is available to all users from the colleges.
- c) Condition of provision of service
- i. The TSP would not have any exclusivity to provide service in the University/Institute/College.
 - ii. The TSP is free to offer any other service which is permitted under their licence. The users would be free to select the service and tariff package of their choice.

- iii. The TSP would be responsible for maintaining the user and other records as required under the law/regulations
- iv. The TSP shall comply with all mandatory government of India regulations and security guidelines to provide information on WiFi sessions upon such request to Law Enforcement Agency (LEA)

d) Role of the University/Institution:

- i. The university/institute/college would provide space and give permissions for laying the fibre, installing the switches, UPS etc free of cost.
- ii. The college would provide electricity for operating the equipment.
- iii. Provide data about the users (students/faculty/admin staff) for the purpose of giving access to WiFi.
