



Deenbandhu Chhotu Ram University of Science and Technology
Murthal (Sonapat):131039 (Haryana) India
(A Haryana State Government University, Accredited 'A' Grade by NAAC)
Established by the Legislature of the State of Haryana Act No. 29 of 2006 &
Recognized by UGC Act 1956 u/s 2F & 12-B

Invitation for Expression of Interest (EOI) for WiFi facility in DCRUST

1. Background

Deenbandhu Chhotu Ram University of Science and Technology (erstwhile C. R. State College of Engineering) was established through an Act of Haryana State Legislature on 6th November, 2006 to facilitate and promote studies and research in emerging areas of higher education with focus on new frontiers of Science, Engineering, Technology, Architecture and Management studies. The University is recognized under 12 (B) of the UGC Act, 1956. The University has been accorded 'Affiliating Status' by Act of Haryana State Legislature on 3rd August, 2011. The University provides an outstanding learning environment for the multifaceted development of students, thus emerging as a centre of excellence. The University is funded under Technical Education Quality Improvement Programme (TEQIP) by Ministry of Human Resource Development, Government of India being funded by the World Bank. Various departments have successfully undertaken many UGC/AICTE/DST/DBT sponsored projects. The University is known in the region not only for students with technical, analytical and soft skills, but also for its strong placement statistics. Education is being imparted to about 4000 students at Postgraduate and Undergraduate level (Ph. D./M. Tech./M. Sc./MA/MBA/MURP/ B. Tech./B. Arch./B. Sc., etc.) out of which nearly 2500 students (1500 Boys and 1000 Girls) use to reside in seven Hostels of the University. In addition, approximately 1500 persons (Faculty, Staff and others) reside in the University quarters.

The University is spread over 273 acres and has a fully residential campus with ample built up space in a contemporary architectural idiom. Architecturally the campus has been developed in four distinct zones – academic, residences, hostels and recreational.

The University is located in NCR on National Highway No. 1 (G. T. Road) about 50 km from ISBT, New Delhi towards Chandigarh and 8 km from the Sonapat Railway Station. The location of the University falls within one of the growing industrial belts of Haryana extending from Kundli to Panipat.

2. Proposal

DCRUST now invites Expressions of Interest from Telecom Service Providers (TSPs) approved by the Department of Telecom /Internet Service Providers (ISPs) licensed by the Department of Telecom for providing Broadband services; for providing WiFi services in the DCRUST Campus. Only TSPs/ISPs shortlisted based on the eligibility criteria will be invited in the subsequent stages of EOI where a Memorandum of Understanding (MoU) would be established between DCRUST and the TSP/ISP for providing WiFi services in DCRUST.

3. Eligibility Criteria

Only, the Telecom Service Providers (TSPs) approved by the Department of Telecom /Internet Service Providers (ISPs) licensed by the Department of Telecom for providing Broadband services are eligible to submit their bids. Such a list has been conveyed vide F. No. 16-5/2017-TEL dated January 15, 2018 by MHRD, Department of Higher Education, New Delhi (please refer:

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

4. Expression of Interest Format

Interested TSPs/ISPs are invited to submit their Expression of Interest in the format given below:

Format for FINANCIAL Bid

S. No.	Data Limit = Downloads/uploads (per day per user)	Data Speed	Fair Usage Policy (FUP)	Rate (per day per user) Rs.	Limit of Users per day (Minimum)	Any other condition (please specify eg. Validity, Minimum Period of contract, installation period, payment terms etc.)
1	1GB					
2	2GB					
3	5GB					
4	10GB					
5	Any other ____					

Any other condition (please specify e.g. Validity, Minimum Period of contract, installation period, payment terms, Taxes, etc.):

Note: Each user should have access on two devices, i.e. one Mobile and One Laptop/PC. The maximum number of users may be around 5000.

5. Presentation

Shortlisted bidders (TSPs/ISPs) may be required to present their proposal to DCRUST. The date for presentation shall be communicated to shortlisted bidders at a later stage.

6. Way Forward

The successful TSPs/ISPs will be called upon for signing an MoU for providing WiFi services and to deposit performance security in DCRUST. The MoU may provide more details on the WiFi operations in DCRUST.

7. Salient Components/Features:

The campus Wi-Fi facility/services may be provided as per the following terms and conditions.

7.1 General conditions

- The work would involve site survey, design, installation and maintenance of state-of-the-art carrier grade Wi-Fi network in the campus. Setting up of network inside the DCRUST, which would consist of optical fiber (minimum 1pairs), Access switches, Wireless Access Points, Security Equipment (UTM and Firewall) etc. meeting the entire cost from his own resources. The fiber should also be made available to the Institute free of cost for running the campus LAN as mentioned in MOU.
- The SP would earmark a dedicated team for implementing the network under a Nodal officer and convey the contact details of the Nodal officer for the Institute.
- The site survey should be completed and a report along with the detailed diagram of the proposed carrier grade network that would be deployed, giving details (make, model no.) of all the equipment should be submitted to the institute.

7.2 Service levels:

- Coverage:** The Wi-Fi services shall be covered in all 'hot spots' which shall include all academic, residential and administrative blocks, labs, libraries, hostels, canteens and any such areas which are frequented by the students/users. There should be both indoor and outdoor coverage in areas where there are high footfalls. The number of Wi-Fi Access points provided in the campus should not to less than one Access Point for every 10 users. The Wi-Fi network should be suitably augmented for increase in the users, if any, to maintain the quality of service.

- b) **Unlimited data usage:** There shall be limit of data usage per day per user on the data downloads/uploads. Each user shall be allowed to log-in on two devices (laptop and mobile) through two user ids. However, there can be a Fair Usage Policy (FUP) i.e. after a specified data download, the data speed can be reduced.
- c) **Data speeds:** The data speed during FUP should not be less than 4Mbps; and after FUP should not be less than 128 Kbps.
- d) **Installation and maintenance:** The entire capital for providing the campus Wi-Fi service have to be invested by the Service Provider. The maintenance of the system shall be the responsibility of SP.
- e) **Authorization, authentication, security, monitoring and report generation:** The Authorization, authentication and maintenance of users should be implemented separately for DCRUST as specified. In this regard, DCRUST will provide the user data. Provision should be there to generate performance reports, monitor usage in case of FUP, enrolling users etc.
- f) **Compliance to International standards:** The offered Wi-Fi equipment at the Core N-W and at the campus shall be state-of-the-art, carrier grade equipment conforming to relevant international, IEEE and ITU-T standards.
- g) **Portal:** The SP shall create a portal and provide read-only access for viewing Wi-Fi usage statistics to authorized personnel at the DCRUST.
- h) **Network Management System (NMS):** There should be a centralized NMS to monitor the performance of the network on 24x7 basis. The DCRUST should be given access to the NMS required for operations of the network. The DCRUST staff should be trained to use the NMS.
- i) **Help Desk:** SP shall have a 24x7 Call Center for dealing with user requests/complaints related to Wi-Fi services.
- j) **Downtime:** The maximum unscheduled downtime of the system shall be 15 minutes in a day. In case of scheduled maintenance, the same shall be intimated in advance to the DCRUST and downtime in such cases shall not be more than 48 hours in 6 months. The downtime shall be calculated on a monthly basis.

7.3 Responsibilities of the DCRUST

- a) The DCRUST would permit the SP to install the equipment necessary for providing the campus Wi-Fi service within the campus.
- b) The installed equipment would be provided with security like any other DCRUST equipment.
- c) The DCRUST shall facilitate Right of Way (RoW) permissions within the campus for laying of cables without any charges to the Service Provider. However, SP would be responsible for reinstating the surface at their own cost.
- d) The required electricity for operating the equipment within the campus, from the local electricity authority, would be provided by the DCRUST without any charges to the Service Provider. UPS wherever required would have to be installed by the SP.
- e) The DCRUST will provide a sufficient number of IP addresses to the SP.
- f) The DCRUST will nominate a Nodal officer along with a link officer who would stand in during the absence of nodal officer.
- g) Rent free Space / Room for storing the Inventory during the project phase. Rent free space for sitting space for Technical staff deployed for operations and storage of spare and other equipment.
- h) SP may be allowed to put Physical branding of his company mentioning “Availability of Wi-Fi” for creating awareness.

7.4 Commissioning of the Wi-Fi Services Network:

- a) After successful commissioning of the Wi-Fi service network, the SP shall submit to the DCRUST a completion report with detailed Wi-Fi service network diagram, equipment location, equipment details like make, model etc.
- b) Partial commissioning of the Wi-Fi service network within the DCRUST is not acceptable.
- c) On receiving the completion report, the Nodal officer shall verify the Wi-Fi network details and performance and give the acceptance to the SP in accordance with coverage objective agreed in the survey report. In case of any shortcomings, it should be conveyed by the Nodal office in writing to the SP within 7 working days of submission of the completion report by the SP else it will be deemed accepted.
- d) The date for the start of the billing cycle is the date of acceptance of the Wi-Fi service network by the DCRUST.
- e) If the date of acceptance of the Wi-Fi network is during the middle of the month, then the first payment would be for the remaining days in the month. Subsequently the billing would be on monthly basis from 1st of every month.
- f) SP should provide the name and details (mobile number, email) of implementing team to the DCRUST.

8. Invitation to Bidder

DCRUST invites Expressions of Interest from Telecom Service Providers (TSPs) approved by the Department of Telecom /Internet Service Providers (ISPs) licensed by the Department of Telecom for providing Broadband services; for providing WiFi services in the DCRUST Campus. The EOI details can be downloaded from DCRUST website: www.dcrustm.ac.in from 22.11.2019 i.e. Friday at 10.00 AM onwards. The last date of submission of EOI online submission is on 13.12.2019 i.e. Friday (5: 00 PM).

9. General Terms and Conditions for EOI:

- i. Please visit DCRUST website www.dcrustm.ac.in for the EOI notice, EOI Document and updates, if any.
- ii. **Bidders shall submit duly signed complete proposal comprising the documents and forms in a sealed envelope marked “ EOI for WiFi System” in accordance with EOI (hard Copy) as well as online.**

HOW TO SUBMIT

Hard Copy	Soft Copy (Online)
<i>Prof. (Dr.) Ramesh K. Garg Chairman – WiFi Committee – cum- Chairman, Department of Mechanical Engineering Deenbandhu Chhotu Ram University of Science and Technology Murthal (Sonapat):131039 (Haryana) India</i>	<i>Password protected proposal to: dcrustwifi@gmail.com Please send Password at: registrar@dcrustm.org</i>

- iii. It is mandatory to sign and stamp each document to be submitted by the authorized representative of the bidder.
- iv. Any modifications, revisions, inter-lineations, erasures, or overwriting shall be valid only if they are signed or initialized by the person signing the Proposal.
- v. If the envelopes and packages with the Proposal are not sealed and marked as required, the Client will assume no responsibility for the misplacement, loss, or premature opening of the Proposal.

- vi. If the date on which the EOIs are to be received is declared a public holiday, the EOI will be received on the next working day. DCRUST will not be responsible for any kind of postal delay and the bids received after the due date will not be accepted.
- vii. The offer should remain valid for minimum 90 days from the last date of submission of EOIs.
- viii. DCRUST reserves the right to reject any or all the EOI without assigning any reason what so ever and no conditional EOI will be accepted.
- ix. For any other queries, please contact:

Prof. (Dr.) Ramesh K. Garg

Chairman – WiFi Committee – cum-

Chairman, Department of Mechanical Engineering

Deenbandhu Chhotu Ram University of Science and Technology

Murthal (Sonapat):131039 (Haryana) India

Contact Nos.: 0130-2484125/91-9416105066

Note: This Expression of Interest (EOI) shall not be restricted in nature