

No. 2678/e-Gov

Dt. 20/06/2024

Expression of Interest

Sambalpur University invites sealed expression of interest (EoI) from interested central govt./ state govt. agencies/Govt internet service providers (ISP) for implementation of LAN and Wi-Fi Campus in Sambalpur University. The interested agencies need to make a campus survey on any working day 10:30 AM to 5:00 P.M. with effect from 21.06.2024. The last date of receiving the filled-in EoI by speed/registered post is 01.07.2024. The EoI must be submitted in two separate sealed envelopes super scribing (i) Technical Proposal and (ii) Financial Proposal respectively. Both these envelopes must be put in a separate sealed envelope mentioning EoI No. _____ Date _____ and be submitted super scribing "**Proposal for implementation of LAN and Wi-Fi campus for SU**" to the undersigned.

The EoI document containing scope of the work can be downloaded from the website (suniv.ac.in). Further details, if any may be obtained from Registrar, Sambalpur University during working hours.

Registrar 20/6/24

Memo. 2679/e-Gov

Dt. 20/06/2024

Copy forwarded for information to

1. Secretary to Vice-Chancellor & P.A to Registrar for kind information.
2. C.O.F, SU/ S.O. Accounts-I & II, SO ABC & Cash

Registrar 20/6/24

Memo. 2680/e-Gov

Dt. 20/06/2024

Copy forwarded for publishing in newspaper

1. The Advisement Manager, The Times of India, BBSR/The Sambad, Sambalpur. They are requested publish the expression of interest once in their respective dailies in one edition on 21.6.24 by using minimum space and submit the bill in duplicate at Govt concessional rate along with foolscap of published newspaper for payment.

Registrar 20/6/24

Purpose of the RFP (Request for Proposal)

Sambalpur University internet network backbone is weak due to which may time it faces network issues, internet issue and splicing issue. In order to strengthen the backbone of the internet network of Sambalpur University there is requirement of OFC laying, establishing new network architecture with proper schematic diagram, OFC route marker, cat 6 marker, Wireless APs for strengthening the OFC backbone, LAN & Wi-Fi in Jyoti Vihar campus. The OFC laying location to be covered in this renovation/expansion is as follows:

1. e-Governance Nodal Centre,
2. P.G. Department of Law & Library Information Science
3. P.G. Department of BT & BI,
4. Auditorium (SUIIT),
5. SUIIT Academic Building,
6. SUIIT Back Side Building,
7. Maytreee Girls Hostel,
8. Aryabhata Boys Hostel (SUIIT),
9. Bhaskar Boys Hostel (SUIIT),
10. STQ Quarters,
11. JTQ Quarters,
12. P.G. Department of Master in Performing Arts,
13. P.G. Council Central Office,
14. Old AB (Ground Floor + 1st Floor + 2nd Floor),
15. Vice Chancellor Office (New Administrative Building),
16. P.G. Department of Computer Science and Application,
17. P.G. Department of Environmental Science,
18. Centre for Distance and Online Education (CDOE),
19. P.G. Department of M.B.A,
20. Human Resource Development Centre (H.R.D.C) Building (Director Office),
21. New H.R.D.C. Building,
22. Guest House,
23. Vice-Chancellor Bunglow (A2),
24. Registrar Bunglow (A9),
25. Baitrani Girls Hostel,
26. Brahmani Girls Hostel,
27. Durgabati Girls Hostel,
28. Pravabati Devi Girls Hostel,
29. Narmada Girls Hostel,
30. Silver Jubilee Girls Hostel,
31. Indrabati Girls Hostel,
32. Old Library,
33. New Library,
34. P.G. Department of Anthropology, Sociology, Home Science and Food Science,
35. P.G. Department of Social Work,
36. P.G. Department of Chemistry,
37. P.G. Department of Chemistry New Building,

38. P.G. Department of Education,
39. P.G. Department of Physics,
40. P.G. Department of Mathematics and Statistics,
41. USIC, Yoga, CIF (Central Instrument Facility)
42. P.G. Department of Life Science Ground Floor, First Floor & 2nd Floor,
43. P.G. Department of English, History, Political Science, Economics,
44. P.G. Department of Odiya,
45. P.G. Department of Hindi,
46. Brahmaputra Boys Hostel,
47. Mahanadi Boys Hostel,
48. Bhagirathi Boys Hostel,
49. Mahodadhi Boys Hostel,
50. Golden Jubilee Boys Hostel,
51. Academic Staff College (ASC) Hostel,
52. SC-ST or IB Boys Hostel,
53. GYM,
54. Health Centre,
55. Satadru Boys Hostel,
56. Subarnarekha Girls Hostel,
57. Jamuna Girls Hostel,
58. Visvesvaraya Boys Hostel,
59. Old IIM Admin Building
60. Mini Auditorium,
61. Biju Pattanaik Auditorium,
62. Centre for Advance Computing,
63. A Type Quarters,
64. B Type Quarters,
65. C Type Quarters

Scope of the work

All above building shall be connected with optical fiber of at least 24 core for main cable and 12 core for branch cable and it has to be laid underground (Preferably HDD method) and it should be in ring structure. However, the fiber inside the building to be conduit pipe. There should not be any visibility of bare wire/fiber. Positioning of switches and access points should be made properly to cover 100% Wi-Fi in the campus.

1. All hardware and software installations responsibility are in the scope of the System Integrator (SI) of the interested firm. If any help required from the OEM, it will be the responsibility of the SI to take help from the OEM within stipulated time without causing disruption to the customer network.
2. It is in the scope of the SI to adhere compatibility between different equipment.
3. All network items shall have either five year or 7 years of warranty. Also, the life cycles/warranty should be verifiable from the OEM website by inputting serial numbers of all items.



4. Access points shall be PoE enabled Wi-Fi-6/Wi-Fi-7 technology compatible with dual band 2.4GHz and 5 GHz support with streaming speed minimum 1GBps. Maximum client to be connected shall be 150 to 200 or more per device with better throughput, power efficiency and latency. It shall also backward compatible with WiFi-5 device and support WPA2 and WPA3 security.
5. Insurance of items for unforeseen incident including damage, lost etc during transportation and installation are in scope of SI. The SI should be wholly responsible for safe keeping, security and protection of assets till handing over it to the customer.
6. The system integrator of the firm has to make all installation work maintain proper quality standard. The decision of the authority of Sambalpur University shall be final in this regard and the SI has to rectify all such work in a reasonable time to be decided by Sambalpur University.
7. The System Integrator should ensure the manpower deployed should not tamper or cause loss or damage of data of the user department. In case of any such incidence happening the consequences and the loss to be borne by the SI.
8. SLA has to be decided by the Sambalpur University and the firm must abide by these SLA conditions. However, the firm may submit his own SLA conditions during this RFP.
9. The proposed solution should be scalable to meet future requirement as and when required by Sambalpur University. The equipment's to be installed for the proposed solution should not be declared end of life for next five years (minimum) and if replaced during the contract period should of equivalent or higher capabilities/configuration without any extra cost to Sambalpur University.
10. The proposed solutions must have provision for keeping log of Wi-Fi usages/services to be utilized by the end users, as per lawful interception and monitoring terms, to meet the compliance with all regulatory and legal guidelines issued by Department of Telecommunications (DoT)/TRAI from time to time.
11. Redundancy in hardware level as well as in link level via alternate path will be implemented to ensure the availability of internet link, switching over from one link to alternate path (in case of main path is down) should be seamless without any downtime.
12. The technical proposal shall contain network topology, schematic diagram of backbone, schematic diagram of OFC ring and building wise bill of material. The datasheet /technical specifications along with make and model of networking hardware/equipment/items should be mentioned in the technical proposal.
13. Delivery period and installation timeline should be clearly mentioned.
14. Financial proposal shall be as follows:

SLNO	Item	Make & Model	QTY	Unit Price in Rs.	UOM (Unit of Measurement)	GST in Rs.	Total Price in Rs.

msk

Existing

1. **Connectivity:** NMEICT NKN 1GBPS Lease Line from BSNL
2. **Router:** Juniper MX-80 Router provided by NIC
3. **Firewall:** FortiGate 201F from Fortinet
4. **No of users:** 3000 (approx.), Concurrent: 1500 (approx.)
5. Network equipment like Layer-3 Switch, 24 port Managed Giga Switch (Nortel, Cisco, HP, Dlink, TP-Link, Digisol, IHT make and model), Aces points (Cambium, Aruba), rack, loaded 12 port liu, patch panel are available in many locations and Approx in 10 locations FTTH connections are available from ISP like BSNL and Airtel. SL NO. 1,4,12,13,14,15,16,17,18,19,20,33,39,40,42,43 are having internet and access points are also available to some extent but not sufficient and other locations in rest SLNos are having either no network architecture, or OFC issues or no network equipment/obsolete/nonfunctional equipment.

Schedule of RFP

Site Inspection	21.06.2024 at 10:30 A.M. to 29.06.2024 at 5:00 P.M.
Submission of Query if any	30.06.2024 from 10:30 A.M to 5:00 P.M
Last date of submission	01.07.2024 at 5:00 P.M.
Date of Presentation	05.07.2024 at 10:00 A.M. Onwards

Note:

1. The presentation must be prepared on technical and financial proposal and that shall support modular or phase wise implementation.
2. Sambalpur University may not bear any cost for survey report.
3. University authority reserves the right to reject or select any or all proposal without assigning any reason thereof.


Registrar 20/6/24