

Call for applications: Consultant - IT Infrastructure (11 months)

TISS Data Centre solution implementation

April 8, 2022

Position : Consultant - IT Infrastructure

Duration : 11 Months

Remuneration : Consolidated Amount Rs.1,20,000/- per month. (Consultant charges will be fixed based on the Industry standards and experiences of the candidate)

Last date of application: 18th April 2022

Send your CVs and application to : recruit-itismc@tiss.edu

About TISS: Tata Institute of Social Sciences (TISS), established in the year 1936, was conferred the status of 'Deemed to be University' in the year 1964, under Section 3 of the UGC Act, 1956. TISS is a centrally funded Deemed to be University under University Grants Commission (UGC), Ministry of Education (MoE), Govt of India (GoI), and operates from its main Campus in Mumbai and Off Campuses at Tuljapur, Guwahati and Hyderabad.

The Data Centre (DC) infrastructure at Tata Institute of Social Sciences is developed over the period of time using various open source technologies at Mumbai and Guwahati campuses. The Data Centre is managed in the main campus in Mumbai and another one at Guwahati Campus. The services are extended to the all campuses from Mumbai DC which is operational from 2011.

The Institute would like to call for Consultant in designing, monitoring, evaluation and certifying the turnkey solution(s) for migrating traditional servers to HCI Solutions, implementation and redesigning of Firewall, UTM, Load balancing, routing, switching and security. The Institute is planning for a Solutions for migrating the legacy email solutions to advance enterprise solutions.

Applications are currently deployed in Open source OS of VMs and Instances which are in Xen, KVM Hypervisors and Docker containers. Most of the applications are developed using Django, Java, PHP with MySQL and PostgreSQL as databases.

About the Requirement: The Institute is planning to upgrade the current Data Centre infrastructure structure with the following:

- A. Hyper-converged infrastructure (HCI) is proposed for the server solution in Data Centre to manage servers and applications. The Institute proposed to use the new hardware proposed to buy for the Data Centre and the existing hardware to create a Near Data Recovery Centre (NDR) located in the Mumbai Campus. The current hardware of the

Guwahati Campus should be designed as Data Recovery (DR) Centre. The design and implementation would ensure the data is available in three locations.

- B. Network firewall is the protection for the endpoint devices and authentication control. Network firewall should be designed for providing security to the devices connected to the Institute network. The firewall ensures to store logs required as part of compliance in providing internet service. We proposed the network server firewall is for bandwidth management for the campuses in Mumbai, Tuljapur and Hyderabad for the new devices and the configuration of the existing firewall in Guwahati Campus to have a seamless access and defined protocols across the campuses.
- C. Server firewall is suggested as n+1 options to ensure the high availability since the services are critical applications such as ERP, financial transactions, recruitments, admission activity, student management systems, etc., firewall for the Mumbai, Tuljapur and Hyderabad Campuses.
- D. It is proposed for the email solution Zimbra to upgrade the currently used email solution iredmail and postfix for faculty and staff. The implementation partner would provide the solution for migrating the email solution. The implementation involves two components, Software licencing and mailbox migration cost (which is generally user-based or mailbox size).

Essential Qualifications & Experience:

The candidate should have required technical certifications for the above requirements preferably with Cisco Certified Design Associate, Cisco Certified Network Professional, HCI Professional Certification and Certification in Messaging Administration.

The candidate should have minimum 10 to 12 years of relevant industry experience in implementing similar solution. The consultant should have involved Data Centre migration at least two similar projects in the last two years.

Experience in effective management of vendors at all the project stages, with initiative & independence, to achieve desired results.

Scope of work

- 1) Study the legacy Systems and technology used in the DC. Based on the current usage, needs and requirements plan a detailed design with latest technology solutions for the DC Upgradation and implementation.
- 2) Identify technology partners/vendors and initiate discussion with them to identify the vendor who can provide the appropriate solutions for the DC.
- 3) Prepare an estimation and entire schedule of work to enable the Institute to allocate the fund at particular intervals based on the successful completion of the plan.
- 4) Preparation of Request for Proposal with Bill of Quantities considering the optimum

utilization of funds available. As per requirement, the consultant shall prepare one or more BOQ.

- 5) Suggesting and scrutinizing credentials of vendors/contractors for execution of work.
- 6) Be part of team for calling and evaluating tenders in two bid systems as per the Institute norms. Participate in opening tenders, making comparative statements and negotiating with the shortlisted bidders to finalize the economically and technically feasible proposal.
- 7) The consultant and the Institute staff will jointly liaise with the selected vendors in preparation of works schedule, procurement schedule and submission of Gantt chart.
- 8) Periodic monitoring, supervision of DC upgradation carried out by vendors as per the accepted design.
- 9) Preparation of analysis report on the quality of work implemented by the vendors and periodically certify the DC upgradation work completed as per the accepted design by the vendor.
- 10) Checking of bills submitted by the vendors in line with the contracts and recommending to Institute to proceed with payment.
- 11) Issue a final verification document(s) and certificate on successful completion of the approved technology by the vendor.
- 12) Render any other services connected with the said work, which are usually and normally rendered by the DC consultant for the successful implementation of the DC solution implementation and which have not been referred to in any of the scope of work referred hereinabove.
- 13) The consultation charges includes visits and boarding expenses for the Mumbai campus during the consultancy period. If any travel required for any other campuses/site visits to implement/monitor the DC purgation, the Institute will make necessary arrangements.
- 14) If necessary, support should be provided or make such arrangements for supporting the Data Centre as and when required by the Institute and the project needs. Charges for any additional visits and supports shall be paid as per the mutually agreed rates.

Candidates not having required certifications and experience in implementing data centre solution need not apply.

Desirous candidates may send their resume to recruit-itsmc@tiss.edu on or before 12 April 2022 with a subject line "Application for Consultant - IT Infrastructure"

Registrar