



TAMIL NADU FIBRENET CORPORATION LIMITED
(A Government of Tamil Nadu undertaking)
Door.No.807, 5th Floor, P.T.Lee Chengalvaraya Naicker Building,
Anna Salai, Chennai-600 002.

Employment Notification Roc.No.315/TANFINET/2022Dated:05.04.2022

Tamil Nadu FibreNet Corporation Limited (TANFINET), the State Implementing Agency (SIA) for BharatNet Phase-II Project in Tamil Nadu, requires qualified & experienced candidates for the posts as mentioned below on Contract basis (purely temporary).

S. No	Name of the Post	No of posts	Qualification
1.	<u>Consultant</u>		
	1. NOC Manager	1	<u>Educational:</u> Bachelor of Engineering (B.E.) or Bachelor of Technology (B.Tech) with Electronics and communication Engineering or Electrical and Electronics Engineering or Electronics and instrumentation Engineering or Computer Science Engineering or Information Technology or equivalent from any recognized university. <u>Experience:</u> Minimum 7 years of experience in the field of Telecom/OFC/Network Infrastructure Domain.
	2. Routing Manager	1	
	3. Infrastructure Manager	1	
	4. GIS Manager	1	
2.	<u>Associate Consultant</u>		
	1. NOC & Server	1	<u>Educational:</u> Bachelor of Engineering (B.E.) or Bachelor of Technology (B. Tech) with Information Technology or Computer Science Engineering or Electronics and Communication Engineering or Electrical and Electronics Engineering or
	2. OFC & Right of Way (RoW)	1	
	3. Network Security	1	
	4. BSS and Helpdesk	1	
	5. Operation Support System	1	

	6. Electrical & Construction	1	Electronics and Instrumentation Engineering or equivalent from any recognized university. Experience: Minimum 5 years of experience in the field of Telecom/OFC/Network Infrastructure Domain.
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(a). Roles and Responsibilities:

(i). Consultant:

1. NOC Manager:

- Responsible for resolving issues related to Design, Planning, Implementation, Testing and O&M of TANFINET NOC (Data Centre & Disaster recovery centres).
- Responsible for resolving issues related to implementation and operations of NOC components which includes Servers, Firewall, routers, CDN, DDI, etc.,
- Responsible for resolving the integration related issues of IP-MPLS nodes with S-NOC and BBNL NOC and handle the necessary coordination between MSI/SI, TANFINET & BBNL teams.
- The NOC Manager will be responsible for managing all operations at the Network Operations Centre during the project Implementation and O&M Phase.
- The NOC shall comprise of the core network components such as Routers, Switches, Firewalls, Video Wall, Helpdesk System, etc.
- Extensive knowledge of DC/DR setup
- Must have designed / setup at least one Data Center end-to-end solution.
- SLA Sign off and Penalty/Reward Management for MSI/SI.
- Ensure that the SLAs of O&M are met as per the Agreement
- Ensure timely Review and Monitoring of the progress of O&M and other vendors for all regions
- Ensure that all troubleshooting tickets are resolved in a timely manner in collaboration with MSI/SI/TPA.

- Ensure Preventive & corrective maintenance action plans are maintained
- Ensure implementation of network planning for expansions & upgradations.
- Actively monitor & coordinate new project/technology rollouts
- Ensure effective vendor governance for Network operations
- Ensure adherence of all regulatory, compliance & Govt. policies
- Coordinate and manage the connectivity from ISP / TSP for bandwidth and SLAs
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

2. Routing Manager:

- Responsible for resolving issues related to Network design, planning, implementation, testing & maintenance of datacom (IP/MPLS) and related L2/L3 technologies.
- The routing manager is responsible for critical tasks with respect to network operations such as:
 - Regulatory compliances (Cyber Security, DoT, Police, etc.)
 - Planning the public IP schema
 - Monitoring of traffic reports
 - Equipment expansion plans and demand forecast
 - Optimized network roll-out plan with wired & wireless distribution
- The Routing Manager would be responsible for the entire network active infrastructure and plan the future expansion along with the TANFINET Management.
- Configuration knowledge of IP/MPLS, IMS, GPON, IPTV, DWDM, Fiber technology.
- Understanding of traffic reports, create plans to take corrective actions to avoid congestions. Equipment expansion plans and future forecasting.
- Have hands on experience in IP-MPLS router configuration, IS-IS, BGP, MPLS-TE, BNG/BRAS, CGNAT, SDN, SDWAN, etc.
- Understanding of Telecom networks and optical communications.

- Vendor communication and escalation experience.
- Experience in preparing acceptance test cases and validation of new equipment in lab.
- Analyze demand forecast and translate the projections into an optimized network roll-out plan with wireline & wireless distribution and defined timeframe
- Preliminary network design based on the chosen technology and vendors in conjunction with Product Development, as applicable
- Define Network Features / Enhancements / Special Services
- Develop Network Plans based on preliminary network design and subsequent modifications of the Plans based on detailed design for Switching, Transport & Access In-depth knowledge of DC-DR configurations.
- Experience in project management. Efficiently prepares project plans using project management tools (including MicroSoft Project / Open Project etc.)
- Expertise in understanding RFP/RFQ and prepare compliance report against tenders.
- Strong Documentation skills
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

3. Infrastructure Manager:

- Responsible for resolving issues related to design, planning, implementation, testing & maintenance of Core / Access Fiber Connectivity of BharatNet/TANFINET network.
- Responsible for resolving issues with respect to laying and maintenance of OFC which includes Fibre Management Plan, FDMS configuration, OFC patch cords, Link Budget, Power calculation, Attenuation, Throughput, etc. in co-ordination with MSI/SI, TPA & PMC.
- The infrastructure manager would be responsible for managing the KPI and SLAs with respect to Planning and optimizing of the OFC infrastructure.
- Co-ordinates RoW issues for UG laying.

- Collect and provide daily progress report with respect to implementation and maintenance of OFC at the Field level and RoW issues along with PMC
- Responsible for Optimization of fibre by providing solutions for migration, optimization of network, ring swapping and ring splitting, to achieve reduction in overall cost & network optimization.
- Understanding of cores and dark fiber create plans to take corrective actions to avoid congestions. Equipment expansion plans and future forecasting.
- Understanding of fiber technology, Telecom networks and optical communications.
- Experience in project management. Efficiently prepares project plans using project management tools (including Microsoft Project / Open Project etc.)
- Experience in preparing acceptance test cases and validation of new equipment in lab.
- Strong Documentation skills.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

4. GIS Manager:

- Responsible for resolving issues related to design, planning, implementation, testing & maintenance of GIS solution of BharatNet/TANFINET network.
- Responsible for survey & planning using automation tools like Comsof, FiberITplan, Small world, ArcGIS, Google earth. Etc.
- Responsible for Optimization of fibre by providing solutions for migration, optimization of network, ring swapping and ring splitting, to achieve reduction in overall cost & network optimization.
- The GIS manager will be responsible for:
 - i. Resolving issues with respect to the survey, As-Built Drawing (ABD) and GIS related activity.
 - ii. Ensure logging and management of inventory in the GIS management tool deployed by System

Integrators

iii. Provide GIS related inputs to the Infrastructure Manager for network planning.

- Understanding of cores and dark fiber create plans to take corrective actions to avoid congestions. Equipment expansion plans and future forecasting.
- Understanding of fiber technology, Telecom networks and optical communications.
- Experience in project management. Efficiently prepares project plans using project management tools (including Microsoft Project / Open Project etc.)
- Responsible for resolving issues with respect to the survey, As-Built Drawing (ABD) and GIS related activity.
- Responsible for management of Project Management tool used in TANFINET.
- Responsible for ensuring that route survey of the OFC is updated in PM tool and GIS tool of TANFINET through stakeholders. Attend the BBNL review meeting in relation to GIS and PM tool activity.
- Strong Documentation skills.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

(ii). Associate Consultant:

1. NOC & Servers:

- Responsible for resolving issues related to Design, Planning, Implementation, Testing and O&M of TANFINET NOC (Data Centre & Disaster recovery centres).
- Responsible for resolving issues related to implementation and operations of NOC components which includes Servers, Firewall, Routers, CDN, DDI, etc.
- Hands on experience in managing Servers, Database & NOC components.
- Co-ordinate in integration of IP-MPLS nodes with S-NOC & BBNL NOC along with PMC.
- Monitor the SLAs & KPIs at the Core, Block and GPs in accordance to the contractual obligations of the MSI / SIs and TPA.

- Manage IP address schema for BharatNet network in co-ordination with MSI/SI & TPA.
- Record and manage network utilization with respect to networking nodes at GP and Block level.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

2. OFC & Right of Way (RoW):

- Responsible for resolving issues related to resolving issues with respect to laying and maintenance of OFC.
- Hands on experience in Fibre related activities including OTDR, Splicing, Blowing, Ducting, Loss budget, etc
- Co-ordinates RoW issues in the field.
- Supervision of Railway crossing works including entering of agreements with railway officers.
- Collect and provide daily progress report with respect to implementation and maintenance of OFC at the Field level and RoW issues along with PMC.
- Responsible for ensuring the QA RFP clauses are adhered by the MSI/SI and validated by TPA/QA agency.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

3. Network Security:

- Responsible for resolving issues related to design, planning, implementation, testing & maintenance of Firewall & cyber security aspects of the network.
- Ensure that proper documentation of configuration and debugging are maintained.
- Responsible for coordinating with MSI / SIs for configuration of the Firewall and finalization of security policies in-line with the regulatory compliances.
- Coordinate with MSI / SIs in order to resolve any interoperability issues with respect to firewalls / routers.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

4. Business Support System and Helpdesk:

- Responsible for resolving issues related to design, planning,

implementation, testing & maintenance of BSS, Helpdesk and Billing Operations for TANFINET network.

- Collaborate with IP-MPLS, NOC team and Business teams of TANFINET, understand the business plans of BSS and propose suitable solutions.
- Assess and select the right technologies required for TANFINET business operations.
- Estimate the annual budget for TANFINET Software Management
- Work with sourcing & procurement team and provide details on Software solution requirements to drive TANFINET business operations.
- Establish standards & procedures for Software Management
- Evaluate the software proposals from various suppliers & vendors and help in selecting the right supplier / vendor.
- Ensure that selected software is implemented as per the service unit requirements in a timely manner (in collaboration with outsourcing partner).
- Responsible for ensuring all required inputs are provided to TANFINET for implementation or maintenance of BSS.
- Ensure that all the service tickets (relating to software applications) raised by TANFINET internal users are responded and resolved in a timely manner.
- Work with Software Outsourcing partners and TANFINET to establish disaster recovery management system.
- Use various project management and application maintenance tools to continuously monitor software applications performance
- Establish review mechanism and measure the performance of Software applications / Outsourcing partners (Service level agreements).
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

5. Operation Support System:

- Responsible for resolving issues related to design, planning, implementation, testing & maintenance of OSS, NMS and dashboard for TANFINET network.
- Collaborate with CDOT, BBNL and the OEM for integrating TANFINET

dashboard with BBNL UNMS.

- Assess and provide the right technologies/solution required for TANFINET management & business operations.
- Work with sourcing and procurement team and provide details on Software solution requirements to drive TANFINET business operations.
- Establish standards & procedures for Software Management.
- Evaluate the software proposals from various suppliers & vendors and help in selecting the right supplier / vendor.
- Ensure that selected software is implemented as per the service unit requirements in a timely manner (in collaboration with outsourcing partner).
- Closely work with TANFINET and ensure that all the required inputs are provided for implementation or maintenance of OSS/NMS.
- Ensure that all the service tickets (relating to software applications) raised by TANFINET internal users are responded and resolved in a timely manner.
- Use various project management and application maintenance tools to continuously monitor software applications performance.
- Establish review mechanism and measure the performance Software applications Outsourcing partners (Service level agreements)
- Hands on experience including FCAPS functionality, SNMP, REST API, North & South bound interfaces of equipment's, etc.
- Responsible to manage different solutions deployed at NOC for SLA management.
- Generates MIS data on utilization of each component, network and maintain the logs of latest software updates done in system.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

6. Electrical & Construction:

- Responsible for resolving issues related to design, planning, implementation, testing & maintenance of electricity power supply from TNEB/TANGEDCO to all PoPs of TANFINET/BharatNet network.

- Obtaining the schedule of preventive maintenance activities, by electricity dept. (such as Pole shifting, trees cutting, etc), and inform MSI/SI/TPA team & field engineer, to avoid fiber cuts in the respective routes
- Ensuring availability of EB power supply in all PoPs and UPS
- Maintenance of OPGW network in coordination with TANTRANSCO and other providers.
- Scrutiny of all electrical bills pertaining to the respective PoPs. □
- Supervision of 33KV / 11KV pole mapping for all the 33KV / 11KV feeders in the state.
- Responsible to resolve issues related to Electrical & Construction including Single Line Diagram layouts, UPS power rating, Battery backup, Body earth, UPS earth, Strength of building, etc.
- Responsible to resolve issues related electrical & construction work at NOC that includes power supply to NOC components, requirement of DG, UPS sizing, etc. Hands on experience in electrical and civil work that includes checking power rating, strength of construction, UPS, EMS of UPS, Earthing, MCB panels, electrical wiring, etc.
- Closely work with MSI/SIs & TPA to resolve issues related to electrical and construction at NOC & Block/GP level.
- Performs any other activities as entrusted by Managing Director, TANFINET Corporation in interest of the organisation.

(b) Selection Process:

The applicants shortlisted based on the eligibility criteria will be called for personal interview. The candidates will be judged on different facets like knowledge, skills, comprehension, attitude, aptitude, physical fitness etc. The success in the above stated selection process does not confer any right to appointment on the candidate. The decision of TANFINET Corporation is final in this regard.

(C) General Conditions:

- a. Only Indian Nationals can apply.
- b. The candidates are advised to ensure before applying that they fulfill the eligibility criteria and other requirements mentioned and that the

particulars furnished by them are correct in all aspects. In case, if it is detected at any stage of recruitment process that the candidate does not fulfill the eligibility criteria and/ or does not comply with other requirements of this advertisement and / or the candidate has furnished any incorrect or false information or has suppressed any material fact, their candidature is liable to be rejected. If any of the above shortcomings is/ are detected even after appointment, the services will be terminated without any notice.

- c. The contract period is initially for a period of 18 months and the same may be extended for further period subject to requirement and performance of the candidates on sole discretion of TANFINET Corporation.
- d. Merely meeting the above qualifications and experience shall not entitle a candidate to be selected for interview. Only short-listed candidates will be notified for interview. TANFINET Corporation reserves the right to shortlist the candidates. Acceptance or rejection of application of the candidates will be at the sole discretion of Management.
- e. Depending on the requirements, the TANFINET Corporation reserves the right to cancel/ curtail the number of vacancies without any further notice and without assigning any reason thereof.
- f. No TA/DA will be paid by TANFINET Corporation to the candidates for attending the interview.
- g. TANFINET Corporation reserves right to withdraw the advertised post at any time without assigning any reason and also reserves the right to fill either in the same position or at a lower position or not to fill the posts and TANFINET Corporation decision in this regard shall be final.
- h. Incomplete application or without relevant supporting enclosures (self-attested copies for proof of Date of Birth/Community/Educational Qualifications/Class & Percentage of Marks/Experience/Salary drawn and any other relevant document) will be out rightly rejected.
- i. Candidates attempting to influence or interfere with the selection process will be rejected summarily and be declared disqualified for future TANFINET recruitments.
- j. Application fees- NIL.

(d). How to Apply:

- a) Applications must be in response to our advertisement quoting "Notification No." and "Post applied for" in the application form.
- b) Application should be submitted strictly as per the prescribed format of TANFINET Corporation.
- c) Name of the "Post applied for" should be superscribed on the envelope containing the application.
- d) Prescribed application form along with the requisite documents must be forwarded by hard copy to TANFINET through Post/Courier addressed to:

**The Managing Director,
Tamil Nadu FibreNet Corporation Limited,
Door.No.807, 5th floor, P.T.Lee Chengalvaraya Naicker Trust,
Anna Salai, Chennai- 600002**

(Or)

- e) The prescribed application form along with the requisite documents must be forwarded through e-mail tanfinet@tn.gov.in indicating the name of the post in subject
- f) The application along with enclosures should reach TANFINET Corporation on or before 5.45 P.M of 21.04.2022.
- g) TANFINET Corporation will not be responsible for any delay/loss in postal transit of any application.
- h) Candidates shall compulsorily provide a valid email ID in the application Form. All correspondence from TANFINET Corporation shall be sent only through the email ID provided by the candidate.
- i) Telephonic queries (044-28888230) will be attended on all working days between 10.00 A.M to 5.45 P.M.
- j) Email queries may be addressed to "tanfinet@tn.gov.in"

Sd/-

Managing Director

General Manager (Projects1)

Tom
05/04/2022



TAMIL NADU FIBRENET CORPORATION LIMITED

(A Government of Tamil Nadu undertaking)

Door.No.807, 5th Floor, P.T.Lee Chengalvaraya Naicker Building,
Anna Salai, Chennai-600 002.

APPLICATION FORM

(Please fill in **BLOCK** Letters only)

Affix Self-
Attested
Photograph

Advertisement No. & Date:

Application for the Post of:

Personal Details:

Name in CAPITAL LETTERS		
Surname	First name	Middle name

Father's Name	Husband's Name

Nationality	State of Domicile	Gender			Marital Status			
		M	F	Transgender	Married	Unmarried	Widow	Divorcee

Date of Birth (DD/MM/YYYY)			Age (as on 01.01.2022) Yrs Months Days			Religion				
						Hindu	Muslim	Christian	Specify if Others	

Category (Tick the appropriate category and enclose valid certificate from the appropriate Authority for categories other than General).							
GEN	BC	BCM	MBC & DC	SC	SCA	ST	Differently Abled Person

Local Address / Address for communication						Permanent Address:									
Pin						Pin									

Tel . No / Mobile No:

E-mail:

Home Town

(Signature)

Details of Educational Qualification (Self attested certificate copies to be enclosed):

Qualification	College / University / Institution	Name of the Degree	Duration of the course	Year of passing	% of Marks/ CGPA
Matriculation (10 th STD.)					
Higher Secondary (+2)					
Diploma					
UG					
PG					
Other Qualifications					

Details of Certifications: (self-attested copies)

Certification if any	Name of the Certificate	Date of issue	Duration of course

Work Experience (Self attested certificate copies to be enclosed):

Name of the organization/ Type of organization (Govt/PSU/PVT)	Post(s) held	(Mandatory to fill up all columns)						Total no. of Years & Months	Scale of pay / gross salary	Job Responsibility
		From		To						
		DD	MM	YYYY	DD	MM	YYYY			

Note:- You may attach additional sheets for qualification/Experience if required.

Please indicate two references in senior positions in your previous workplaces:-

S.No	Name	Current Designation	Organization	Contact No / Mob.No/Tel.No	Official Email ID
1					
2					

If selected specify the minimum required joining time

(Signature)

Extra-Curricular activities

S.No	Languages known	Read	Write	Speak

List of self-attested documents to be attached along with the application form:-

- i. Date of Birth Proof: Copy of Birth Certificate or 10th Certificate
- ii. Copy of proof of Education Qualification
- iii. Copy of Experience Certificate(s)
- iv. Copy of Community Certificate(s)
- v. Other relevant certificates (if any)

Declaration:

I hereby declare that all statements as mentioned in this application are true and correct to the best of my knowledge and belief. I understand that in the event of any particulars or information given above being found false or incorrect, or if at any stage it is found that I do not possess the prescribed qualification/experience for the post, my candidature will be rejected ab-initio and I will not have any right to attend the interview. If any shortcoming(s) is/are detected even after appointment, my services may be terminated. I also certify that I am not facing any charge of, nor have ever been convicted for, any act of moral turpitude or economic offence. I am also aware that all correspondence to the candidates will be only through email ID provided by me.

Place:

Date:

(Signature)