

ERNET India
(An Autonomous Society under Ministry of Electronics & Information Technology, GoI)
5th Floor, Block I, "A" Wing,
DMRC Building, IT Park, Shastri Park, Delhi – 110053.

ERNET India invites applications to fill up the following post on contract basis as per details mentioned below: -

(A) Post: Sr. Project Manager (PM L-2)

No. of Post	01
Maximum Remuneration	Rs. 1,00,000 – Rs. 1,25,000/-
Maximum Age	63 Years
Job Posting	Delhi
Project	ICT and Data Center Setup project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

Desirable Certification Requirement: Any Project Management Certification/ Master's Degree in Project Management.

Work experience: Atleast 10 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 8 years of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

*** Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

****Relevant Field of Experience for Sr. Project Manager (PM L-2):** - Networking, Telecom, Data Centers / IT Infrastructure commissioning & management. However, **atleast 7 years of experience should be available in managing projects related to Data Centers/IT Infrastructure related Projects.**

Job Description-

- To lead and oversee the successful delivery of Data Centre/ICT program/projects.
- Plan and execute activities related to end-to-end program/project management, including project plans and, scoping and requirements through implementation, deployment, stakeholder management, post implementation review and project handover. Proactively monitor, manage and report on execution of deliverables.
- Should be responsible for managing data center (DC) and DR activities like installations, commissioning, configuration, incident management, change management, performance tuning activities and patching, upgradations, migration etc.
- Ensuring overall success for the program/project, including time, cost, technical and performance parameters.
- Ensuring the completion of program/projects as per the timelines.
- Establishing effective project governance, processes and systems to be utilized throughout projects.
- Advising upon the procurement & management of resources.

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- Leading and facilitating the overall cross-functional project team.
- Managing the change control process
- Monitoring and advising upon project finances , ensures to create and monitor project's financial status sheet.
- Managing the flow of project information between the team and the stakeholders, through regular meetings and written communications.
- Ensuring the production of formal project progress and other reports such as project analytics and related progress report for higher management.
- Taking a leading role in interfacing with the customer and other stakeholders, at all project stages.
- Shall be responsible for synchronization and coordination among System Integrators to complete the overall work for project w.r.t data centres & remote location activities.
- Regularly monitor and analyse project progress to ensuring projects remain within scope & schedule.
- To Identify and act upon ways to improve internal systems and processes.
- To participate in Business Development activities where required.
- To perform need analysis with various govt. departments and ministries.
- To Prepare concept notes and Techno-commercial project proposals.
- Perform other related duties as assigned.

Skills:

- Good Knowledge of IT networking and Data Centre Infrastructure (Both Non IT and IT equipment) .
- Possess experience on Microsoft Project Plan(MPP)/JIRA or other project management tools etc.
- Possess strong knowledge of project management processes.
- Ability to drive the project as per milestones and solve problems
- Ability and willingness to find creative and innovative solutions to reduce/maintain costs with no impact on quality and reliability.
- Good Documentation and Presentation skills.
- Possess excellent communication skills, attention to detail, and maintain high quality standards.
- Desirable to have experience in tendering process, GeM Biding and have knowledge of GFR processes.

(B) Post: Project Manager Level 02

No. of Post	01
Maximum Remuneration	Rs. 75,000 to 1,00,000
Maximum Age	63 Years
Job Posting	Delhi
Project	ICT and Data Center Setup project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

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Work experience: Atleast 8 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 6 years of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

*** Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

****Relevant Field of Experience for Project Manager Level 02:** - Networking, Telecom, Data Centers / IT Infrastructure commissioning. **Atleast 5+ years of experience should be in managing projects related to Data Centers/IT Infrastructure related projects.**

Job Description-

- Responsible for the successful delivery of project as per plan and agreed quality and standards.
- Responsible for execution and implementation of project requirements, end-to-end project management, implementation, deployment, stakeholder management, post implementation review and project handover.
- Should be responsible for managing activities pertaining to MPLS implementation at Remote sites & installations, commissioning of ICT Infra at Remote sites etc.
- Shall be responsible for synchronization and coordination among System Integrators to complete the overall work for project w.r.t data centres & remote location activities.
- Regularly monitor and analyze project progress to ensuring projects remain within scope & schedule.
- Establish and maintain relationships with appropriate stakeholders, providing day-to-day contact on project status and changes.
- Should communicate ideas to technical and non-technical stakeholders. Additionally, the ability to document.
- Shares best practices, maintaining the activities and operations of overall data center(s)
- Collaborate and engage with Subject Matter Experts (SMEs) and other stake holders to gain program / project insights.
- Gather and provide feedback on lessons learned, best practices, and innovations on process/ procedures and tools to improve efficiencies and productivity.
- Perform other related duties as assigned.

Skills:

- Good Knowledge of IT networking and Data Centre Infrastructure .
- Possess strong knowledge of project management processes.
- Ability to drive the project as per milestones and solve problems
- Ability and willingness to find creative and innovative solutions to reduce costs with no impact on quality and reliability.
- Good Documentation and Presentation skills.
- Possess excellent communication skills, attention to detail, and maintain high quality standards.
- Desirable to have experience in tendering process, GeM Biding and have knowledge of GFR processes.

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(C) Post: Network Engineer (Project Manager Level 02)

No. of Post	01
Maximum Remuneration	Rs. 75,000/-
Maximum Age	63 Years
Job Posting	Delhi
Project	ICT and Data Center Setup project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

Work experience: Atleast 10 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 08 years of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

*** Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

****Relevant Field of Experience for Network Engineer (Project Manager Level 02):** - Networking, Hands-on experience of **at least 5 years in any data center** environment in ICT Networking, **designing, implementing**, and supporting complex network solutions.

Job Description- The roles and responsibilities shall be in any combination of the below mentioned activities:

- Designing highly optimised network architecture using standard and industry best practices as per the ERNET's requirements.
- Analysis of network at regular intervals from network capacity and recommend capacity augmentation and device upgradation etc..
- Assisting ERNET's network design team while designing an architecture for new network such that all best practices are in place from day one.
- Interactions with various application owners and TAC teams of several OEMs while handling network issues.
- Responding to emergency critical network issues for quick resolution round the clock (whenever required).
- Analysis of critical network issues and events and their resolution. Preparation of Root Cause Analysis (RCA) report with recommendation to prevent recurrences of such incidents and implementation of recommendations so made.
- Ensuring compliance of ERNET's policies including analysis, recommendation and implementation if any.
- Management of all network devices such as routers, switches, load balancers, SDN solution, SDWAN solution etc. including network OS upgradation, migration of network devices from one platform to other, replacement of end-of-life devices and troubleshooting.
- Management of IP address allocation using specialised tools such IPAM (IP Address Management Solutions).
- Providing consultancy services for adoption of new technologies in the market in the form of a formal document.
- Conducting Proof of Concept (PoC) for new and emerging network technologies (such as Software Defined Network etc.) and recommendation in the form of PoC report.

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- Analysis of device logs and correlation with the logs of other devices and submission of structured report in the format prescribed by the ERNET.
- Provisioning of information sought by the auditors by masking sensitive details/ data. Timely closure of observations made by auditors (internal or external).
- Preparation of technical specifications of Network devices / solutions proposed to be procured by the ERNET and providing responses to technical queries.
- Documentation and updation of network architecture/ segments for domestic and foreign offices of the ERNET, all the time including inventory of network devices.
- Staying up-to-date with latest technologies, acquiring the skills required to securely and efficiently manage ERNET's network infrastructure and providing technical training (including hands-on sessions) to other team members.

Skills:

- Strong understanding of network systems, including: Routing, Switching, Wireless, VPN, Load Balancing, Firewalls, SDWAN, WAN Optimization, Policy-based routing, Virtual route forwarding, Virtual device contexts, Datacenter technologies, Disaster Recovery, Scripting, MPLS, DNS, IP Address Management, EMS/NMS and NTP .
- Good knowledge in monitoring network with tools (from leading OEMs) and experience in Leaf & Spine Architecture in Data Center.
- Good knowledge configuration and troubleshooting of Layer2 protocols.
- Hands-on Knowledge of creating and management of IPSEC VPNs and troubleshooting of VPNs in case of problem.
- Extensive experience supporting and implementing IP networks and technologies with high availability
- Familiarity with SaaS and cloud-based solutions and features in comparison to similar on-premises services
- Familiarity with infrastructure facilities, including: cabling standards, patching, floor plans, and power
- Working knowledge of data circuits, including: MPLS, and P2P
- Ability to develop and understand SOWs, BoMs, platform summaries, and complex network architecture diagrams
- Capable of developing budgets, tracking costs, providing forecasts, and performing financial analysis on projects
- Preferable certifications from OEMs such as Cisco, Juniper, etc.
- A dedicated team player

(D) Post: Server Engineer (Project Associate Level 01)

No. of Post	01
Maximum Remuneration	Rs. 65,000/-
Maximum Age	50 Years
Job Posting	Delhi
Project	ICT and Data Center Setup project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

Work experience: Atleast 06 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 04 years of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

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* **Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

****Relevant Field of Experience for Server Engineer (Project Associate Level 01):** Hands-on experience on Server of **at least 3 years in any data centre** environment in server configurations.

Job Description-

- Configuring, managing & troubleshooting servers & storage.
- Installing Hypervisors, creating VMs etc.
- Improving server's performance and reliability.
- Configuring Role based access using AAA and AD.
- Developing automated scripts for increased productivity for manual tasks.
- Co-ordination with team members for effective resolution of issues.
- Maintaining storage, servers, applications, OS builds and releases.
- Maintaining documentation of servers, storage devices etc.
- Ensuring timely reports to different stakeholders.
- Developing server and storage management policies.
- Taking regular backups of relevant data.
- Take Preventative actions & Actions as reported on EMS w.r.t Servers/Storages/Applications etc.
- Any other relevant tasks as desired by the reporting officer.

Skills:

- Strong knowledge of Linux Systems (Ubuntu, RedHat), Windows.
- Good implementation level expertise of using RESTful API along with Redfish support.
- Experience in infrastructure management at a Data Center.
- Hands-on experience in deployment activity at Data center and Remote Locations.
- Working experience in out-of-band server management protocols/solutions such as IPMI, iDRAC, iLO etc. or equipment Preventive maintenance and SDKs related to it.
- Good at understanding the new applications and their dependencies in terms of services, in infra resources.
- Configuration experience in
 - RAID
 - N/W configuration.
 - Hypervisor installation.
 - AD (Active Directory).
 - AAA
- Experience in life cycle management of servers.
- Conducting Capacity assessments of existing infrastructure and ensuring Asset Management.
- Good communication, Team work, Analytical, Time Management skills.
- Automation using scripting languages such as python, .sh, bash etc.
- Good understanding of basic security concept and practices.
- Deployment knowledge in deployment of firewall NDR, load balancer, WAF, Proxy, VPN gateway etc.
- Troubleshooting of hardware problem of IT Infrastructure including network (active/passive) equipment, Security and rectification of the same.
- Knowledge of implementing Security & storage Policies.

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(E) Post: Firewall Engineer (Project Associate Level 01)

No. of Post	01
Maximum Remuneration	Rs. 65,000/-
Maximum Age	50 Years
Job Posting	Delhi
Project	ICT and Data Center Setup project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

Work experience: Atleast 06 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 04 years of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

*** Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

****Relevant Field of Experience for Firewall Engineer (Project Associate Level 01)-** Hands-on experience of managing network security for at least 3 years in any data center environment, designing, implementing, and supporting complex network security solutions.

Job Description- The roles and responsibilities shall be in any combination of the below mentioned activities:

- Management of all security devices such as firewalls, IDS/IPS, AAA, Network Access Control (NAC) solution, Network Security Policy Manager (NSPM), Enterprise Proxy solution, Network Sandboxing, DDOS solution, load balances etc. their configuration, including implementation of security policies and rules in accordance with the change management process
- Should be SPOC for all network security activities at data centre and DR like installations, upgradations, migration, incident, performance tuning activities, reporting and patching etc.
- Designing highly optimised network security architecture using standard and industry best practices & as per the ERNET's requirements.
- Analysis of network security at regular intervals from network capacity and recommend regular upgradation etc. including periodically reviewing and validating user access rights and privileges.
- Assisting ERNET's network security and network design team while designing an architecture for new network such that all best practices are in place from day one.
- Interactions with various application owners and TAC teams of several OEMs while handling network incidents.
- Responding to emergency critical network security and network issues for quick resolution round the clock (whenever required).
- Analysis of critical network security and network issues and events and their resolution. Preparation of Root Cause Analysis (RCA) report with recommendation to prevent recurrences of such incidents and implementation of recommendations so made,
- Ensuring compliance of ERNET's policies including analysis, recommendation and implementation if any,

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- Management of all network security and network devices such as routers, switches, load balancers.
- Providing consultancy services for adoption of new technologies in the market.
- Conducting Proof of Concept (PoC) for new and emerging network technologies (such as Software Defined Network etc.) and recommendation in the form of PoC report.
- Assisting to get successful compliances w.r.t VAPT and other security audits
- Troubleshooting firewall , device logs and correlation with the logs of other devices and submission of structured report in the format prescribed by the ERNET,
- Preparation of technical specifications of Network devices / solutions proposed to be procured by the ERNET and providing responses to technical queries.
- Documentation and updation of network security architecture

Skills:

- Strong understanding of network systems, including: Routing, Switching, Wireless, VPN, Load Balancing, Firewalls, SDWAN, WAN Optimization, Policy-based routing, Virtual route forwarding, Virtual device contexts, Datacenter technologies, Disaster Recovery, Scripting, MPLS, DNS, IP Address Management, and NTP
- Hands on Experience on firewalls from CISCO, JUNIPER, CHECKPOINT, PALO ALTO and leading firewalls OEMs.
- Expertise in network security best practices implementation & auditing for router, switch, firewall configurations, change control, and monitoring.
- Experience in assessment of firewall, intrusion detection/intrusion prevention, VPN and other network & security component policies.
- Working knowledge of data circuits, including: MPLS, DIA, and P2P etc.
- Ability to develop and understand SOWs, BoMs, platform summaries, and architecture diagrams
- Capable of developing budgets, tracking costs, providing forecasts, and performing financial analysis on projects
- A dedicated team player

(F) Post: Project Engineer Level 02

No. of Post	01
Maximum Remuneration	Rs. 35,000 – Rs. 50,000/-
Maximum Age	40 Years
Job Posting	Delhi
Project	Tele-Education project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

Work experience: Atleast 03 years in the relevant filed **post qualification in case of B.Tech/BE/MCA/MSc or equivalent or minimum 01 year of experience in the relevant filed ** post qualification in case of M.Tech/M.E or equivalent.

*** Relevant Discipline (Educational Qualification):-** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application

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****Relevant Field of Experience for Project Engineer Level 02:** - ICT Networking, Tele-education (Smart Virtual Classroom) and related Audio Video Solutions, Video Conferencing Solutions, Telecom, Also, preference will be given to the candidates having experience :

- i. In preparation of Technical Proposals & Tenders by exploring & Studying new GoI/Ministerial policies/relevant information from relevant sources based on discussions/provided Concept notes.
- ii. In execution of deployment ICT Projects, coordinating in between States/Vendors, managing timelines and SLA of the project.
- iii. In Capacity Building/Training Programs.
- iv. Should have a zeal to explore and learn newer topics & technology.

Job Description:

- To monitor and ensure the completion of project activities within the defined timeline.
- To co-ordinate with project stakeholders on a daily basis.
- Assist in the monitoring of projects' implementation, work plans and procurements process.
- To prepare the daily project status report and monitor the same to ensure it's completion as per the requirement.
- Assist in the completion and review of O&M activities.
- Liaise / co-ordinate with end users to prepare daily sessions schedule, conduction of schedule, participation of students/schools and monitor/moderate the sessions.
- To co-ordinate with end users and ISPs to make sure the availability of project pre-requisites at sites.
- Perform other related duties as assigned.

Skills:

- Highly proficient in the development of project related document, templates using MS Office tools (MS Word, Power Point, Excel, etc.).
- Excellent written and verbal communication skills in English with excellent Email writing / Noting / Drafting skills.
- Experience in govt. tendering process and relevant documentations.
- Desirable to have good knowledge of Government e Marketplace(GeM) bidding & General Financial Rules.

(G) Post: Project Engineer Level 01

No. of Post	01
Maximum Remuneration	Rs. 25,000 – Rs. 35,000/-
Maximum Age	35 Years
Job Posting	Delhi
Project	NMCN project
Duration	Initially for a period of one year further extendable as per requirement

Essential Qualification: Full time B.Tech/BE/MCA/M.Sc or equivalent degree in relevant discipline (*)

*** Relevant Discipline (Educational Qualification):** Electronics/ Information Technology/Electronics and Communication/ Tele Communication / Computer Science/Computer Application.

Job Description:

- To assist in monitoring and ensuring the timely completion of project activities.
- To co-ordinate with project stakeholders on a daily basis.
- To assist in the monitoring of projects' implementation, work plans and procurements process.
- To assist in preparing daily project status report and monitor the same to ensure it's completion as per the requirement.
- To assist in the completion and review of O&M activities.
- To co-ordinate with end users for ensuring the successful O&M.
- To co-ordinate with vendors and other project stakeholders.
- Perform other related duties as assigned.

Skills:

- Highly proficient in the development of project related document, templates using MS Office tools (MS Word, Power Point, Excel, etc.).
- Excellent written and verbal communication skills in English with excellent Email writing / Noting / Drafting skills.
- Experience in govt. tendering process and relevant documentations.
- Desirable to have good knowledge of Government e Marketplace(GeM) bidding & General Financial Rules.

General Terms & Conditions

2. Eligible candidates interested to appear in interview should forward their CV / Bio data along with the details as per format provided at Annexure -I and self attested certificates in proof of education / experience / age / caste etc. through email at recruitment@ernet.in by 04:00 PM on 06.03.2023

(Shortlisted candidate will be informed by return email indicating tentative date time & venue details to attend the interview)

Levels of Shortlisting:

Level 1: Initial shortlisting of candidate will be done based on their submitted documents.

Level 2: Upon shortlisting of candidate, final selection of candidate will be performed via face to face interview at ERNET India's office in Delhi. ERNET India will communicate the date and time of interview to the shortlisted candidates.

3. The appointment against the above mentioned positions shall be purely on contract basis on above mentioned pay for fixed duration and against specific approved projects.

4. Upon selection of candidate, the candidates would be appointed initially for a period of one year, which may be extended up-to a maximum of project duration (Not exceeding three years) and or curtailed based on the performance and requirement of the project. Further, incumbents so engaged under a particular project can be transferred to another project during or on completion of the project in which he/she originally deployed, in the organizational interest.

5. Candidates presently working in Government/Semi Government/Public Sector undertaking /Autonomous Body are required to submit a "No Objection Certificate" from their present employer at the time of interview/test etc. if called for, failing which they will not be permitted to attend the interview.

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6. The date of determining the upper age limit, Qualification and/ or experience shall be date of interview. Person below the age of 18 years are not eligible for consideration of selection.
7. Experience means post qualification and it will be counted after attaining minimum qualification as prescribed above.
8. Essential qualification as prescribed above should be full time regular course (s) from AICTE/UGC approved/recognized university /Deemed university/institutes.
9. Monthly remuneration will be subdivided/bifurcated as per applicable finance norms of ERNET India.
- 10 In addition to the monthly remuneration selected candidates will also be entitled for meal coupons, medical facility (as per applicable rules), annual increments (based on your performance in the previous 12 months) @5% for first year and 7.5% for second year, conveyance allowance @ Rs.1500/- per month and maternity leave (female employees) maximum period of 26 weeks also be entitled for 2.5 days leave (EL) per month in addition to 9 casual leaves in a calendar year as per rule.
11. Reservation and relaxation as admissible for SC/ST/OBC/EWS/ will applicable as per the Govt of India norms, as applicable of ERNET India.
- 12 Candidates belonging to reserved categories should produce the certificate at the time of written test/skill test /interview etc. If called for, issued by competent authority in the prescribed format as stipulated by Government of India. falling which such candidates will not be allowed to attend the interview /selection test against reserved posts and will not be allowed to claim the relaxation application in case of reserved categories.
13. In case of candidates belonging to OBC categories, certificate should specifically contain the clause that the candidate does not belong to creamy layer section.
14. Upon Selection of the candidate, the candidate has to submit medical examination report and police clearance certificate from the concerned authorities. Candidate also has to submit undertaking to the extent that nothing adverse to your C&A has been contemplated or pending in any Government Department/Police station/Courts/Legal Bodies etc. Undertaking/Certificate as submitted by the incumbent may be verified by ERNET India if required and in case any adverse report is received against the submitted undertaking/certificate, his/her service shall be terminated forthwith without assessing any reason/notice.
15. ERNET India reserves the right to relax/modify/any criteria of eligibility regarding age/qualification/Experience or any other relevant parameters if candidate is found otherwise suitable.
16. Canvassing in any manner and bringing outside influence shall make the candidate liable for rejection.
- 17.NO TA/DA shall be payable for attending the Interview.