

GOVERNMENT OF PAKISTAN
PAKISTAN RAILWAYS HEADQUARTERS
LAHORE



Applications are invited for filling the following post in the Project of “**Establishment of Business Development and HR Support Unit, Pakistan Railways**”. All positions are Lahore based.

Sr #	Description of the Post	Post s	Qualification	Experience/ Brief JDs	Age Limit
01	Senior Officer IT (Networks and Infrastructure) PPS-08	01	1. Bachelor/ Master Degree in Computer Sciences/ IT/ Software or related area. 2. Minimum 16 years of education. 3. All degrees must be recognized by HEC.	- Minimum of Ten (10) years of professional work experience in a large organization and demonstrative experience of working with the Internet Service Provider (ISP). - At least 05 years' experience of designing and implementing large I.T related physical and institutional infrastructure. - Work in Security Operation Center (SOC) will be preferred. - Only hands-on experience in SECP registered firm/ company/ department will be considered.	Max: 45 years
02	Senior Officer IT (Systems) PPS-08	01	1. Bachelor/ Master Degree in Computer Sciences/ IT/ Software Engineering or related area. 2. Minimum 16 years of education. 3. All degrees must be recognized by HEC.	- Minimum of Ten (10) years of professional work experience in a large organization and demonstrative experience of working with the Internet Service Provider (ISP). - At least 05 years' experience of designing and implementing large I.T related physical and institutional infrastructure. - Work in Security Operation Center (SOC) will be preferred. - Only hands-on experience in SECP registered firm/ company/ department will be considered.	Max: 45 years

- The posts are completely on contract a basis for a period of **One Year** or till the completion of the project, whichever is earlier. The employment contract could be considered for an extension on satisfactory performance during the initial period and maximum up to the completion of the project.
- Only those experience(s) will be considered which are obtained after the required qualification mentioned against each position.
- Age relaxation is already included in the maximum age required for each position.
- Salary will be admissible as per the Standard Pay Package issued by Finance Division.
- Candidates apply online at National Job Portal (<https://njp.gov.pk>) within 15 days from the date of publication of advertisement.
- The candidate serving in Government, Semi Government or Autonomous institutions should route their applications through proper channel.
- Foreign degree holders must attach the equivalency certificate obtained from HEC/PEC.
- Only shortlisted candidates will be called for test/interview.
- The PR HQ reserves the right to select/reject or not to fill any position (s) without assigning any reason at any stage of recruitment process.
- Incomplete applications, by hand applications and applications received after the due date, will not be entertained
- No TA/DA will be admissible for the test/interview.

Project Director
Establishment of Business Development & HR Support Unit
Pakistan Railways Headquarters,
Lahore
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Senior Officer IT (Networks and Infrastructure) ONE POST

1.	Required Educational Qualification & Experience	• Bachelor/ Master Degree in Computer Sciences/IT/ Software Engineering with at least 10 years-professional experience of working in a large organization and demonstrative experience of working with the Internet Service Provider (ISP). At least 05 years' experience of designing and implementing large I.T related physical and institutional infrastructure. • Work in Security Operation Center (SOC) will be preferred. • Only hands-on experience in SECP registered firm/ company/ department will be considered.
2.	Age Limit	• Maximum = 45 years
3.	Job Description:	• Network Assessment: Conducting comprehensive assessments of an organization's existing network infrastructure, identifying vulnerabilities, performance issues, and areas for improvement. • Security Audits: Performing security audits to evaluate the effectiveness of an organization's security measures, including analyzing network architecture, firewalls, intrusion detection systems, and access controls. • Network Design: Developing network designs and architectures that ensure scalability, reliability, and security. This involves creating network diagrams, selecting appropriate hardware and software components, and recommending network protocols and technologies. • Network Implementation: Overseeing the implementation of network solutions, including configuring routers, switches, firewalls, and other networking devices. Collaborating with network engineers and IT teams to ensure successful deployment. • Security Implementation: Implementing security measures and controls to protect network infrastructure and data. This includes configuring firewalls, intrusion prevention systems, VPNs (Virtual Private Networks), and access controls. • Network Optimization: Optimizing network performance by analyzing traffic patterns, identifying bottlenecks, and implementing quality of service (QoS) mechanisms. Conducting capacity planning to ensure the network can handle future growth and demands. • Vulnerability Management: Conducting vulnerability

assessments and penetration testing to identify and address potential weaknesses in the network. Recommending and implementing security patches, updates, and countermeasures.

- Security Incident Response: Developing incident response plans and procedures to address security breaches, network attacks, and other security incidents. Participating in security incident investigations and providing remediation recommendations.
- Network Monitoring and Troubleshooting: Implementing network monitoring tools and techniques to proactively identify and resolve network issues. Troubleshooting network problems, analyzing logs, and conducting packet captures to diagnose and resolve network-related incidents.
- Documentation and Reporting: Creating detailed documentation of network designs, configurations, security policies, and procedures. Generating reports and presenting findings, recommendations, and project updates to stakeholders, management, and clients.
- Design, configure, and maintain local and wide area networks (LANs/WANs).
- Install, upgrade, and manage network hardware and software, including routers, switches, firewalls, and wireless access points.
- Monitor network performance and ensure the availability and reliability of network services.
- Troubleshoot network issues, analyze root causes, and implement appropriate solutions.
- Implement and maintain network security measures, including firewalls, intrusion detection systems, and VPNs.
- Conduct regular network assessments to identify vulnerabilities and recommend security enhancements.
- Administer user accounts, permissions, and access rights for network resources.
- Collaborate with IT team members and vendors to implement network projects and upgrades.
- Provide technical support and assistance to end-users for network-related issues.

		• Document network configurations, procedures, and troubleshooting guides.
4	Other Skills	• Strong interpersonal skills. • Project management skills. • Negotiation skills.

Senior Officer IT (Systems) ONE POST

1.	Required Educational Qualification & Experience	• Bachelor/ Master Degree in Computer Sciences/IT/ Software Engineering with at least 10 years-professional experience of working in a large organization and demonstrative experience of working with the Internet Service Provider (ISP). At least 05 years' experience of designing and implementing large I.T related physical and institutional infrastructure. • Only hands-on experience in SECP registered firm/ company/ department will be considered. • Work in Security Operation Center (SOC) will be preferred.
2.	Age Limit	• Maximum = 45 years
3.	Job Description:	• Plan, design, and implement robust IT infrastructure solutions tailored to our organization's needs. • Manage and maintain server environments, including installation, configuration, and troubleshooting. • Oversee network infrastructure, ensuring its reliability, security, and scalability. • Collaborate with cross-functional teams to identify and implement improvements in the IT infrastructure. • Monitor system performance, troubleshoot issues, and implement timely resolutions. • Conduct regular backups, data restorations, and disaster recovery procedures. • Stay up-to-date with industry trends and emerging technologies to drive continuous improvement. • System Security Audits, Policies implementation • Must have working experience on command line on multiple OS • Install, configure, and maintain server hardware and software systems, including operating systems, applications, and security patches.

		• Monitor system performance and ensure the availability of all servers, networks, and related infrastructure. • Manage and troubleshoot network issues, including LAN/WAN connectivity, routers, switches, and firewalls. • Perform regular system backups and ensure data integrity and disaster recovery preparedness. • Provide technical support and assistance to end-users, troubleshooting hardware and software issues. • Administer user accounts, permissions, and access rights to ensure security and compliance. • Collaborate with IT team members to develop and implement IT policies, procedures, and standards. • Conduct routine system audits to identify and resolve vulnerabilities and performance issues. • Stay up to date with the latest technologies and trends in system administration and recommend improvements to enhance efficiency and productivity.
4	Other Skills	• Strong interpersonal skills. • Project management skills. • Negotiation skills.