



# NATIONAL TRANSMISSION & DESPATCH COMPANY LIMITED (NTDC)

Striving for  
Reliable Grid

## JOB OPPORTUNITIES

National Transmission & Despatch Company Limited (NTDC) is backing the economic growth of the Country through its excellent Transmission & Despatch network with optimum utilization of resources and by providing a rewarding workplace for the employees. The Company invites applications from energetic and experienced candidates for the following positions:

Sr#	POSITION	PARTICULARS	Sr#	POSITION	PARTICULARS
1	<b>Chief Technology &amp; Innovation Officer</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Provide leadership in developing, implementing and promoting the System Operator's vision for technology and innovation</li> <li>Coordinate the piloting, implementation, and evaluation of grid modernization technologies including IT enterprise architecture, SCADA and phasor measurement units.</li> </ul> <p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>Bachelor's degree (BA, BS) in Economics, Engineering, Business or related field. Master's Degree desired.</li> </ul> <p><b>Experience:</b> minimum eight (8) years in the following:</p> <ul style="list-style-type: none"> <li>IT and/or OT (SCADA) project management experience in the electric utility industry</li> <li>Research and/or work experience in power systems planning or system operation in areas related to HVDC systems, power system stability, grid integration of inverter-based generation</li> </ul> <p><b>Max. Age Limit:</b> 50 years</p>	7	<b>Deputy Manager IT (Cyber Security)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Cyber security specialists' main focus is to keep an organization's data and IT infrastructure secure, which requires a diverse set of skills and responsibilities.</li> <li>Conduct threat and risk analysis and analyze the business impact of new and existing systems and technologies to eliminate risk, performance, and capacity issues. They implement vulnerability assessments and configure audits of operating systems, web servers, and databases and detect patterns, insecure features, and malicious activities in the infrastructure</li> <li>Perform research, testing, evaluation, and deployment of security technology and procedures.</li> <li>Run diagnostics on any changes to data to verify any undetected breaches</li> <li>Develop custom systems for specialized security features and procedures for software systems, networks, data centers, and hardware.</li> <li>Develop and implement information security standards, guidelines, and procedures.</li> <li>Develop firewalls to secure the network infrastructure.</li> <li>Keep current with new intrusion methods and develop protection plans. They have an in-depth understanding of vulnerabilities, management systems, and common security applications.</li> <li>Conduct counteractive protocols and report incidents. They offer customized risk ratings for vulnerabilities based on company policies and maintain IT security controls documentation</li> </ul> <p><b>Qualification &amp; Experience:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Cyber Security (preferable) OR Bachelor's in Computer Science from any HEC recognized university.</li> <li>5-7 years of prior relevant experience after Education (BS) in local or international firms</li> <li>Advanced certifications such as SANS GIAC/GCIA/GCIH, CISSP or CASP and/or SIEM specific training and certification</li> <li>Experience with vulnerability scanning solutions</li> <li>Ability to use logic and reasoning to identify the strengths and weaknesses of IT systems</li> <li>A deep understanding of how hackers work and ability to keep up with the fast pace of change in the criminal cyber-underworld</li> <li>Great awareness of cybersecurity trends and hacking techniques</li> </ul> <p><b>Max. Age Limit:</b> 40 years</p>
2	<b>Manager (Regulatory Affairs &amp; GC Compliance)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Serve as an expert point of contact to internal and external constituencies on issues regarding regulatory affairs and tariffs</li> <li>Submission of regulatory filings, receipt of regulatory issuances, and preparation of documents for submission to regulatory entities.</li> <li>Prepare, in collaboration with internal and external subject matter experts, comments, position statements and responses to third party filings, orders and other issuances from regulatory agencies.</li> </ul> <p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>Bachelor's degree (BA, BS) in Economics, Engineering, Business or related field</li> </ul> <p><b>Experience:</b> minimum six (06) years in the following:</p> <ul style="list-style-type: none"> <li>Experience writing and presenting technical proposals and reports to diverse audiences. Experience in team environment to resolve complex problems.</li> <li>Developing and managing project plans to meet established milestones and objectives</li> <li>Experience or study of the electric utility industry or regulatory processes is preferred.</li> </ul> <p><b>Max. Age Limit:</b> 45 years</p>	8	<b>Deputy Manager IT (Software Developer)</b> - 2 (two) positions	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Participating in the entire software development life cycle, debugging applications, and configuring existing systems.</li> <li>Analyze system requirements and prioritize tasks</li> <li>Writing clean, testable code using .NET programming languages (C#, MVC, Web API, Net Core, JS, Angular)</li> <li>SQL written (stored procedures, cursor, Trigger, indexing etc)</li> <li>Test and debug various .NET applications</li> <li>Review and refactor code</li> <li>Document development and operational procedures</li> <li>Designing the solution to best fit the needs of the business</li> <li>Bringing your experience as a full-stack developer to produce these business-enhancing applications and software</li> </ul> <p><b>Qualification &amp; Experience:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Computer Science or other related fields from any HEC recognized university.</li> <li>5-7 years of prior experience in software quality assurance.</li> <li>Proficient in programming using C#, MSSQL.</li> <li>Proficient in web technologies including ASP.NET MVC, Web API, JSON, HTML, JavaScript, JQuery, AJAX, Net Core, Angular</li> <li>Strong understanding of object-oriented programming</li> <li>Strong Knowledge on SQL</li> <li>Skill for writing reusable libraries</li> <li>Familiar with various design and architectural patterns</li> <li>Understanding of fundamental design principles for building a scalable application</li> <li>Experience creating database schemas that represent and support business processes</li> <li>Experience in implementing automated testing platforms and unit tests</li> <li>Proficient understanding of code versioning tools such as Git, TFS</li> <li>Knowledge in Azure services</li> <li>Strong knowledge of angular framework and frontend library experience</li> </ul> <p><b>Max. Age Limit:</b> 40 years</p>
3	<b>Manager (Research &amp; Development)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Conduct research, simulation and analysis on the hybrid AC-DC system including EMT simulation using Real Time Digital Simulator (RTDS)</li> <li>Publish white papers on the System Operator's future needs assessment that form the basis of discussion with other stakeholders including the Ministry of Energy, INOs and NEPRA.</li> </ul> <p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Electrical Engineering or related technical field required. Concentration in power systems preferred. Master's / Ph.D. Degree desired</li> </ul> <p><b>Experience:</b> minimum six (6) years in the following:</p> <ul style="list-style-type: none"> <li>Demonstrable knowledge of the principles of power system planning and operation</li> <li>Experience with computer programs used in transmission planning or interconnection studies such as power flow, short circuit and/or transient stability.</li> <li>Prior research in any one of the following topics is desired: HVDC systems, power system stability, grid integration of inverter-based generation</li> </ul> <p><b>Max. Age Limit:</b> 45 years</p>	9	<b>Deputy Manager IT (Quality Assurance)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Review requirements, specifications and technical design documents to provide timely and meaningful feedback</li> <li>Create detailed, comprehensive and well-structured test plans and test cases</li> <li>Estimate, prioritize, plan and coordinate testing activities</li> <li>Design, develop and execute automation scripts using open-source tools</li> <li>Identify, record, document thoroughly and track bugs</li> <li>Perform thorough regression testing when bugs are resolved</li> <li>Develop and apply testing processes for new and existing products to meet client needs</li> <li>Liaise with internal teams (e.g., developers and managers) to identify system requirements</li> <li>Monitor debugging process results</li> <li>Investigate the causes of non-conforming software and train users to implement solutions</li> <li>Track quality assurance metrics, like defect densities and open defect counts</li> <li>Stay up-to-date with new testing tools and test strategies</li> </ul> <p><b>Qualification &amp; Experience:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Computer Science or other related fields from any HEC recognized university</li> <li>5-7 years of prior experience in software quality assurance</li> </ul>
4	<b>Manager (Transmission Planning)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Implement appropriate system modeling, develop tools and procedures to monitor and control the system, perform system studies, analyze simulated or actual operating results, develop solutions to current or future system issues, and appropriately reports findings and recommendations.</li> <li>Coordinate, perform, and review technical studies related to the interconnection of proposed new generation, transmission and load facilities to the transmission system (i.e., interconnection projects).</li> </ul> <p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Electrical Engineering or related technical field required. Concentration in power systems preferred. Master's Degree desired.</li> </ul> <p><b>Experience:</b> minimum six (6) years in the followings:</p> <ul style="list-style-type: none"> <li>Demonstrable knowledge of the principles of power system planning and operation.</li> <li>Experience with computer programs used in transmission planning or interconnection studies such as power flow, short circuit and/or transient stability.</li> </ul> <p><b>Max. Age Limit:</b> 45 years</p>			
5	<b>Deputy Manager (Research &amp; Development)</b> - 1 (one) position	<p><b>Job Description:</b></p> <ul style="list-style-type: none"> <li>Study emerging phenomena and new behaviors in the power system</li> <li>Develop advanced models for the hybrid AC-DC system including EMT simulation using Real Time Digital Simulator (RTDS)</li> <li>Publish white papers on the System Operator's future needs assessment that form the basis of discussion with other stakeholders including the Ministry of Energy, INOs and NEPRA.</li> </ul> <p><b>Qualification:</b></p> <ul style="list-style-type: none"> <li>Bachelor's Degree in Electrical Engineering or related technical field required. Concentration in power systems preferred. Master's / Ph.D. Degree desired</li> </ul> <p><b>Experience:</b> minimum three (3) years in the following:</p> <ul style="list-style-type: none"> <li>Demonstrable knowledge of the principles of power system planning and operation</li> <li>Experience with computer programs used in transmission planning or interconnection studies such as power flow, short circuit and/or transient stability.</li> <li>Prior research in any one of the following topics is desired: HVDC systems, power system stability, grid integration of inverter-based generation</li> </ul> <p><b>Max. Age Limit:</b> 40 years</p>			



**Job Description:**

- Their duties include organizing data points, communicating between upper management and the IT department, and analyzing data to determine a corporation's needs.
- He will gather, analyze, and compile data needed to identify trends and patterns, then make recommendations for business actions by using BI reporting tool.
- Developing and managing business intelligence solutions for the organization
- Providing BI reports through Microsoft Power BI to improve business processes.
- Mine and analyze data from company databases to drive optimization and improvement of product development, marketing techniques and business strategies.
- Assess the effectiveness and accuracy of new data sources and data gathering techniques.
- Develop custom data models and algorithms to apply to data sets.
- Use predictive modeling to increase and optimize NPCC experiences and other business outcomes.
- Coordinate with different functional teams to implement models and monitor outcomes.
- Develop processes and tools to monitor and analyze model performance and data accuracy.

**Qualification & Experience:**

- Bachelor's Degree in Data Science (preferable) OR Bachelor's in Computer Science from any HEC recognized university.
- 5-7 years of experience manipulating data sets and building statistical models after Education (BS) in local or international firms.
- Strong problem-solving skills with an emphasis on solution development.
- Experience using statistical computer languages (Python, SQL, Microsoft Power BI etc.) to manipulate data and draw insights from large data sets.
- Experience working with and creating data architectures.
- Knowledge of a variety of machine learning techniques (clustering, decision tree learning, artificial neural networks, etc.) and their real-world advantages/drawbacks.
- Knowledge of advanced statistical techniques and concepts (regression, properties of distributions, statistical tests and proper usage, etc.) and experience with applications.
- Excellent written and verbal communication skills for coordinating across teams.
- A drive to learn and master new technologies and techniques.

Max. Age Limit: 40 years

**Deputy Manager IT  
(Data Scientist)**  
- 1 (one) position

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- Perform quality assurance efforts on multiple application releases, monitor and document testing activities.
- Manage testing for application deployments and assign testing activities to team.
- Design, develop and maintain test cases and strategies for cross-browser testing and multiple user scenarios.
- Satisfy release deliverables, project testing requirements and other quality assurance responsibilities.
- Collaborate with team to understand product changes and QA testing requirements to deal with issues/defects in a timely manner.
- Establish a testing feedback loop with other developers and team members.
- Create written documentation and procedures for application testing and compliance.
- Debug test environment, automate sprints, and develop testing scenarios.
- Experienced with end-user testing, usability testing, software and web application testing, C#/ASP, Python or applications such as JIRA.

Max. Age Limit: 40 years

**Job Description:**

- Implement appropriate system modeling, develop tools and procedures to monitor and control the system, perform system studies, analyze simulated or actual operating results, develop solutions to current or future system issues, and appropriately reports findings and recommendations.
- Coordinate, perform, and review technical studies related to the interconnection of proposed new generation, transmission and load facilities to the transmission system (i.e., interconnection projects).

**Qualification:**

- Bachelor's Degree in Electrical Engineering or related technical field required. Concentration in power systems preferred. Master's Degree desired.

**Experience:** minimum one (1) year in the followings:

- Demonstrable knowledge of the principles of power system planning and operation.
- Experience with computer programs used in transmission planning or interconnection studies such as power flow, short circuit and/or transient stability.

Max. Age Limit: 35 years

**Assistant Manager  
(Transmission  
Planning)**  
- 1 (one) position

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- **General Conditions**
- viii. Last date for receipt of applications is Wednesday, **October 17, 2022.**
- ix. Candidates must possess recognized-relevant-degree/equivalence by HEC. Candidates awaiting their result are not eligible to apply.
- x. All the positions are contract based, and selected candidate will be offered lump-sum market pay-package and will not be regularized in service.
- xi. The candidates appearing in the interview must bring their original CNIC, original educational certificates along with photocopies duly verified by HEC and verified copies of experience certificate(s).
- xii. Only shortlisted candidates will be invited for an interview. No TA/DA will be provided for the interview/written test.
- xiii. Incomplete or applications received after the due date will not be entertained.
- xiv. Concealment of fact(s) and misleading information will disqualify the candidate at any stage of the recruitment and even after selection.
- xv. NTDC is an equal opportunity employer, and all genders are encouraged to apply.
- xvi. NTDC reserves all the rights to withhold this recruitment process at any stage without assigning any reason.

**INSTRUCTIONS**

- **For Serial No. 1 to 4**
- i. The interested candidates are advised to visit the NTDC website: [ntdc.gov.pk/careers](http://ntdc.gov.pk/careers). The for detailed information and to apply online on the prescribed application form.
- ii. The online filled prescribed application form (print) along with detailed CV, copy of credentials (Education, work experience, and CNIC), and recent passport size photograph, must reach the office of General Manager HR NTDC, Hall# 8, 2nd Floor, Shaheen Complex, Egerton Road, Lahore, within due date, through courier service or Pakistan post etc.
- **For Serial No. 5 to 10**
- iii. Candidates are advised to apply online on prescribed Application Form available on NTS website ([www.nts.org.pk](http://www.nts.org.pk)).
- iv. Photocopies of educational documents / experience certificates are not required at this stage.
- v. Candidates are advised to deposit the test fee Rs. 550/- (Five Hundred & Fifty only) as prescribed by NTS.
- vi. Candidates may contact NTS for any query/enquiry regarding written test, display of provisional and final list of candidates, roll number slips, test centers, results etc.
- vii. Application forms/ fee chalangans can be dispatched at National Testing Service (NTS), Plot # 96, Street # 4, H-8/1, Islamabad.

PID(L)# 911

**General Manager HR NTDC**