

ANDHRA PRADESH CAPITAL REGION DEVELOPMENT AUTHORITY

Lenin Centre, Governor pet, Vijayawada – 520 002 (A.P)

EMPLOYMENT NOTIFICATION No. 12/2018

Rc.No. CRDA-HR/201/2018, Dt.31.10.2018

Notification is hereby issued for the following positions in **APCRDA, Vijayawada** on contract basis. Applications are invited from the eligible candidates to work on contract basis for a period of one year for following position in Urban Services and Infrastructures Division.

Post Name & No.Posts	Preferable Education Qualification and Relevant Exp.
Sr. Power Engineer	B.E., B.Tech in Electrical Engineering / M.E, M.Tech Electrical engineering/Power Electronics – with Exp. In design, analysis and execution of Power distribution networks, transmission, substations and power utilities
No. of Posts-1	
Sr. Water and Sewerage Engineer	B.E., B.Tech in Civil Engineering M.E, M.Tech Water resource Engineering or public Health Engineering with Exp. in design, analysis and execution of Water and Sewerage Networks
No. of Posts-1	
Mechanical/Welding/Industrial Steel Structural Engineer	B.E., B.Tech in Civil/ Mechanical Engineering M.E, M.Tech Mechanical/Industrial Structures Engineering/ Industrial and Production Engineering / Structural Engineering/ Industrial Structural Engineering with Exp. In design, analysis and execution, Welding erection of complicated and Multi-storied towers and Buildings
No. of Posts-1	

Online application is available in the website www.crda.ap.gov.in in careers tab. Only online applications are accepted. The online applications can be submitted from 02.11.2018 to 15.11.2018.

For further details and competencies required, please visit the website www.crda.ap.gov.in

Sd/-Commissioner, APCRDA

JOB DESCRIPTION FOR THE POST OF SENIOR POWER ENGINEER

Division	Post Name	No of posts	Educational Qualification
Urban Services and Infrastructure	Senior Power Engineer	1	B.E,B. Tech in Electrical Engineering / M.E, M. Tech Electrical engineering/Power Electronics

SUMMARY:

Andhra Pradesh Capital Region Development Authority is established for the purpose of Planning, Co-ordination, Execution, Supervision, Financing, Funding and for Promoting and securing the Planned Development of the Capital Region and Capital City Area for the State of Andhra Pradesh.

Tasks:

Electrical & Power engineers experienced in design, develop and maintain power, electrical control systems and components to their respective required specifications. Design ensuring the primary requisites.

-) Design Electrical engineers are involved in projects from the concept and detail of the design, through to implementation, testing and handover. They may be involved in maintenance programmes.
-) As well as having technical knowledge, electrical engineers need to be able to project manage and multitask. They also need to have commercial awareness. Additional attributes, such as team leadership or management skills, are required as careers progress.

Key Responsibilities:

-) Capital city Power distribution and Transmission networks
-) Responsible for preparing electrical designs for large-scale buildings/ township projects
-) Review product design for compliance with engineering principles, standards, government regulations and customer contract requirements
-) Evaluates electrical systems, products, components, and applications by designing and conducting research programs; applying knowledge of electricity and materials.
-) Develops electrical products by studying customer requirements; researching and testing manufacturing and assembly methods and materials.
-) Testing and ensuring product quality by designing electrical testing methods; testing finished products and system capabilities.
-) Prepares product reports by collecting, analysing, and summarizing information and trends.
-) Provides engineering information by answering questions and requests.
-) Maintains product and the organization reputation by complying with federal and state regulations.
-) Keeps equipment operational by following manufacturer's instructions and established procedures; requesting repair service.
-) Maintains professional and technical knowledge by attending educational workshops; reviewing professional publications; establishing personal networks; participating in professional societies.

Work Experience:

The candidate should have tendered 5 years intensifies working experience in any reputed Electrical firm duly associated with the scope of work pertaining to Design & Execution Electrical systems, calculations, all Electrical ancillary items, determination and placement & Electrical quakes, DCB's etc.,

The selected candidate should work under Addl. Director infra unit for designing all Electrical loads carrier, appliances, cables, Transformers, busbars, U.G.Cables, different types of Electrical fixtures & fittings etc., and required for erecting of electrical systems from substantial to user groups.

The candidate should have well experience and acquaintance with all latest and time to time developments of technology, various appliances and its uses and limitations in all connected fields to ensure best working designs and to meet the requirements at economical standards.

Education:

-) B.E,B. Tech in Electrical Engineering / M.E, M. Tech Electrical engineering/Power Electronics
-) First preference will be given to master's degree holders in case of non-availability bachelor's degree holders with vast relevant experience will be considered

Competencies required

Knowledge –

-) Design of high voltage electrical substations including physical substation, protection and control design.
-) Experience and knowledge in equipment Automation and PLC's, Six sigma
-) Exposure to Reliability Maintenance Engineering
-) Deep understanding of preventive maintenance procedures and methods.
-) Experience using programmable logic controllers and circuit board layouts
-) Understanding and application of Earned Value Management (EVM)
-) Ability to prepare relay setting for numerical relays and to perform ASPEN.
-) Drafting, Laying Out, and Specifying Technical Devices, Parts, and Equipment — Providing documentation, detailed instructions, drawings, or specifications to tell others about how devices, parts, equipment, or structures are to be fabricated, constructed, assembled, modified, maintained, or used.

Skills and Abilities:

-) Electrical Power distribution net works
-) Transmission, Substations and Power Utility & Experience of using State of the Art Software for analysis on Power Distribution Networks

Date and location of joining&Location: Immediate joining & Vijayawada

JOB DESCRIPTION FOR THE POST OF SENIOR WATER & SEWERAGE ENGINEER

Division	Post Name	No of posts	Educational Qualification
Urban Services and Infrastructure	Senior Water & Sewerage Engineer	1	B.E, B. Tech in Civil Engineering M.E M. Tech Water resource Engineering or public Health Engineering

SUMMARY:

Andhra Pradesh Capital Region Development Authority is established for the purpose of Planning, Co-ordination, Execution, Supervision, Financing, Funding and for Promoting and securing the Planned Development of the Capital Region and Capital City Area for the State of Andhra Pradesh.

Ensures that citizens are provided with a continuous supply of clean, uncontaminated water for drinking, Living, and recreational purposes. Water engineers not only design water management systems, but often oversee the construction and maintenance of these systems as well. They demonstrate a genuine knowledge and interest of the water industry and environmental issues.

Design or oversee projects involving provision of potable water, disposal of waste water and sewage or prevention of flood-related damage. Prepare environmental documentation for water resources, regulatory program compliance, data management and analysis, and field work. Perform hydraulic modelling and pipeline design.

Key Responsibilities:

-) Water Supply Networks, Sewerage Networks in Capital city
-) Develop plans for new water resources or water efficiency programs.
-) Design water distribution systems for potable or non-potable water.
-) Conduct water quality studies to identify and characterize water pollutant treatments.
-) Gather and analyse water use data to forecast water demand.
-) Write technical reports or publications related to water resources development or water use efficiency.
-) Analyse and recommend sludge treatment or disposal methods. Identify design alternatives for the development of new water resources.
-) Perform mathematical modelling of underground or surface water resources, such as floodplains, ocean coastlines, streams, rivers, or wetlands.
-) Perform hydrological analyses, using three-dimensional simulation software, to model the movement of water or forecast the dispersion of chemical pollutants in the water supply.
-) Perform hydraulic analyses of water supply systems or water distribution networks to model flow characteristics, test for pressure losses, or to identify opportunities to mitigate risks and improve operational efficiency.
-) Design pumping systems, pumping stations, pipelines, force mains, or sewers for the collection of wastewater.
-) Design domestic or industrial water or wastewater treatment plants, including advanced facilities with sequencing batch reactors (SBR), membranes, lift stations, headwork's, surge overflow basins, ultraviolet disinfection systems, aerobic digesters, sludge lagoons, or control buildings.

Work Experience:

Specific duties include: concept planning, pre- design and final design and Execution of water and wastewater infrastructure projects, including gravity sewers and force mains, water transmission pipelines and mains, reservoirs and pump stations; hydraulic modelling of gravity and pressure infrastructure systems, support permitting efforts, utility and SUE identification,

coordination and mitigation, prepare design calculations, specifications and plans; develop and prepare technical memoranda, reports and field reports to support project design efforts.

Education:

-) B.E, B. Tech in Civil Engineering M.E M. Tech Water resource Engineering or public Health Engineering
-) First preference will be given to master's degree holders in case of non-availability bachelor's degree holders with vast relevant experience will be considered

Competencies required

Knowledge: Knowledge and Experience in usage of the State of the Art Soft wares / Modelling tools for Water Supply & Sewerage Networks and organization skills

Skills & Abilities –

-) Monitoring - Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
-) Management of Personnel Resources - Motivating, developing, and directing people as they work, identifying the best people for the job.
-) Management of Material Resources - Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.

Date and location of joining&Location: Immediate joining & Vijayawada

Job Description for the Post of Steel Structural Engineer

Division	Post Name	No of posts	Educational Qualification
Urban Services and Infrastructure	Steel Structural Engineer	1	B.E, B. Tech in Civil / Mechanical Engineering preferably with M.E M. Tech in Structural Engineering / Industrial structures/Offshore structures

SUMMARY:

Andhra Pradesh Capital Region Development Authority is established for the purpose of Planning, Co-ordination, Execution, Supervision, Financing, and Funding and for Promoting and securing the Planned Development of the Capital Region and Capital City Area for the State of Andhra Pradesh.

Tasks:

Perform engineering duties in planning, designing, and overseeing the construction and maintenance of large structural steel buildings with metal deck floors and structural steel framing and extensive structural steelwork for the cladding, to ensure world class buildings are erected on time with topmost quality and within budget.

Key Responsibilities:

-) Analyze configurations of the basic structural components of a building or other structure;
-) Liaise with construction contractors and Project Management Consultancy (PMC) to ensure that newly erected buildings are structurally sound;
-) Ensure by constant review of the drawings and meticulous site inspection that the architectural intent is met
-) Lead the quality control efforts on owner's behalf for the structural steel fabrication, erection, weld quality, tightness of bolts etc. per the relevant national and international standards.
-) Use computers and computer-aided design (CAD) technology for simulation purposes.

Work Experience:

The candidate should have a minimum of 5 years of intense post qualification experience in the design and execution from a reputed design/EPC organization and should be equally capable in the design and execution functions.

-) Must have previous experience leading the delivery of work packages on large structural steel construction
-) Experience in design, execution, weld quality inspection and erection of complicated steel structures, preferably multi-storied steel buildings.
-) Must have experience in design and installation of tubular steel structures, preferably diagrids
-) Experience in structural steel connection design including steel-concrete connections
-) Experience in foundations and concrete superstructures is an added advantage.

Scope of Work: Should work in Urban Services and Infrastructure unit of APCRDA for designing, design review and execution of iconic structural steel buildings.

Education:

-) B.E, B. Tech in Civil / Mechanical Engineering, preferably M.E/M. Tech. In Structural Engineering/Industrial structures/Marine structures

Competencies required**Knowledge –**

-) **Engineering and Technology** — Knowledge of the practical application of engineering science and technology. This includes applying principles, techniques, procedures, and equipment to the design and production of various goods and services.
-) **Building and Construction** — Knowledge of materials, methods, and the tools involved in the construction or repair of houses, buildings, or other structures such as highways and roads.
-) **Management of Material Resources** — Obtaining and seeing to the appropriate use of equipment, facilities, and materials needed to do certain work.
-) **Perceptual Speed** — The ability to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object.
-) **Evaluating Information to Determine Compliance with Standards** — Using relevant information and individual judgment to determine whether events or processes comply with laws, regulations, or standards.
-) **Inspecting Equipment, Structures, or Material** — Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.

Skill Sets:

-) Design & field experience in usage of State of Art software for analysis & designing, preferably ETABS, SAP2000 and SAFE. Exposure to Revit/Tekla is an added advantage.
-) Knowledge latest versions of IS:800, IS:875, IS:1893, AISC, AWS and European standards

Abilities:

-) Capable for handling all aspects of the structural steel projects in the design and execution phases
-) Ability to study and interpret fabrication drawings
-) Ability to work under pressure and manage multiple contractors and subcontractors

Date and location of joining& Location: Immediate joining & Vijayawada