



United Nations Assistance Mission for Iraq (UNAMI)
INTERNAL/EXTERNAL JOB OPENING

Job Opening No.	190674	Deadline	26/09/2022
Post Title	Associate Engineer	Level	NO-B
Organizational Unit	Engineering Section	Location	UNAMI, Baghdad
VA date:	12/09/2022		

DUTIES AND RESPONSIBILITIES

Under the overall guidance and supervision of the Senior Project Engineer, the Associate Engineer (Electrical) will be responsible for the following functions:

1- Planning and Designing:

- Prepares industrial automation and control engineering design of complex process and instrument control for energy, water/wastewater treatment plants, Reverses Osmosis WTPs, environmental monitoring, production lines, including hardware and software, such as PLC programming, process network, instrumentation, HMI, SCADA, and drive control.
- Applies commonly used engineering calculations, practices and precedents in completing portion of larger projects related to the design, construction, or repair of buildings, roads, bridges, airfields helipads, railways, docks, waste disposal systems, flood control systems, water treatment facilities, electrical power generation and distribution systems, environmental control systems, field defenses, mine detection and clearance, and other related structure and activities of the field.
- Conducts preliminary site investigations to obtain field data such as soil characteristics, drainage and other data required for building site selection.
- Prepares design layout for smaller or less complex portions of buildings and facilities.
- Produces cost data and estimates on engineering-related requirements of current and planned field missions. Participates in budget projections.
- Completes engineering drawings using AutoCAD software. Where necessary, visits work sites for inspections of site conditions and/or for taking of measurements.
- Maintains and controls any request for copies of architectural, structural, electrical and mechanical plans.

2- Implementation:

- Provides support in projects management, industrial automation projects from concept through execution to closure, rehabilitation, modernization and retrofits of various old industrial plants by introducing new technologies and automation (PLC/SCADA) systems, hybrid (PV/Diesel/Battery/Utility) energy installations, solar (PV) energy installations, and solar thermal systems.
- Develops technical data regarding materials, sizes, dimensions, and quantities and costs to be incorporated in formal specifications.
- Analyzes project proposals to ensure technical feasibility and to ensure that project objectives are attainable within the prescribed resources.
- Liaises with other engineers and mission specialists responsible for related specialized phases to arrive at mutually satisfactory approaches to problems by exchanging and comparing data.
- Undertakes research to gather information related to engineering projects.
- Prepares engineering presentations using advances in technologies.
- Evaluates technical proposals from bidders/ vendors for solicitation processes.

- Provides where possible recommendations for improvement to current Unit workflows/processes and implement (in coordination with respective unit staff).
- Applies standard engineering practices & precedents in construction, maintenance & repairs if installations, structures and facilities.
- Perform other duties as required.

QUALIFICATIONS AND EXPERIENCE

Education: An advanced university degree (Master's or equivalent) in Civil/Electrical/Mechanical Engineering, Architecture or related fields is required. A first-level university degree in combination with qualifying work experience may be accepted in lieu of an advanced university degree.

Experience: A minimum of two (2) years of progressively responsible experience in Electrical Engineering Design, preparation of SOW (Scope of Work) and BOQ (Bill of Quantity), Providing managing support and supervision for operations and maintenance for offices, accommodations, engineering equipment, infrastructure is required. Knowledge and experience in Industrial Automation systems are required. Knowledge and experience in environmental renewable systems and projects are required. Broad knowledge and skills in using international codes for engineering design are required. Computer literacy is mandatory. UN working experience in the relevant field is desirable. Experience with environmental and/or engineering software, in administrative work and training delivery is desirable.

Language: English and French are the working languages of the United Nations Secretariat. For the position advertised, fluency in English and Arabic is required.

UN CORE VALUES AND COMPETENCIES

Professionalism:

Knowledge of buildings and engineering, renovation and constructions projects. Knowledge of computer-aided design program AutoCAD required. Knowledge of MS Office. Proven ability to supervise technical teams required. Demonstrates professional competence and mastery of subject matter; shows persistence when faced with difficult problems or challenges; remains calm in stressful situations. Takes responsibility for incorporating gender perspectives and ensuring the equal participation of women and men in all areas of work. Shows pride in work and in achievements. Demonstrates professional competence and mastery of subject matter; is conscientious and efficient in meeting commitments, observing deadlines and achieving results; is motivated by professional rather than personal concerns; Shows persistence when faced with difficult problems or challenges; Remains calm in stressful situations.

Planning & Organizing:

Develops clear goals that are consistent with agreed strategies; identifies priority activities and assignments; adjusts priorities as required; allocates appropriate amount of time and resources for completing work; foresees risks and allows for contingencies when planning; monitors and adjusts plans and actions as necessary; uses time efficiently.

Teamwork:

Works collaboratively with colleagues to achieve organizational goals; Solicits inputs by genuinely valuing others' ideas and expertise; is willing to learn from others; Places team agenda before personal agenda; Build consensus for task purpose and direction with team members; Supports and acts in accordance with final group decisions, even when such decisions may not entirely reflect own position; Shares credit for team accomplishments and accepts joint responsibility for team shortcomings.

APPLICATIONS

This job opening is advertised on the United Nation Secretariat's talent management platform, Inspira. To submit an application, click "Apply Now" after following this link:

<https://careers.un.org/lbw/jobdetail.aspx?id=190674&Lang=en-US>

Only applications submitted through Inspira will be considered for this job opening. Applicants must have an Inspira account to create and submit applications. Staff members are assigned an employee

account upon appointment with their index number as the User ID. Other applicants may create an account.

For guidance on building and submitting applications, refer to the “Applicant Guide” available on the “Manuals” page. To access this page, click “Manuals” on the top of the Inspira homepage after logging into your account.

The necessity for ensuring the highest standards of efficiency, competence and integrity remain the paramount considerations in the employment of personnel. To ensure fairness and transparency, selection will be made on a competitive basis through a selection panel.