UN VOLUNTEER DESCRIPTION OF ASSIGNMENT

AFGR001497—Electrical Engineer

The United Nations Volunteers (UNV) programme is the UN organization that promotes volunteerism to support peace and development worldwide. Volunteerism can transform the pace and nature of development and it benefits both society at large and the individual volunteer. UNV contributes to peace and development by advocating for volunteerism globally, encouraging partners to integrate volunteerism into development programming, and mobilizing volunteers. In most cultures, volunteerism is deeply embedded in long-established, ancient traditions of sharing and support within the communities. In this context, UN Volunteers take part in various forms of volunteerism and play a role in development and peace together with co-workers, host agencies, and local communities. In all assignments, UN Volunteers promote volunteerism through their action and conduct. Engaging in volunteer activity can effectively and positively enrich their understanding of local and social realities, as well as create a bridge between themselves and the people in their host community. This will make the time they spend as UN Volunteers even more rewarding and productive.

General Information

<table>
<thead>
<tr>
<th>Country of Assignment</th>
<th>Afghanistan</th>
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<tbody>
<tr>
<td>Host Institute</td>
<td>UN Mission in Afghanistan</td>
</tr>
<tr>
<td>Volunteer Category</td>
<td>International Specialist</td>
</tr>
<tr>
<td>Number of Volunteer</td>
<td>1</td>
</tr>
<tr>
<td>Duration</td>
<td>until 31-12-2020</td>
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<tr>
<td>Expected Starting Date</td>
<td>03-05-2020</td>
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<tr>
<td>Duty Station</td>
<td>Kabul [AFG]</td>
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<tr>
<td>Assignment Place</td>
<td>Non-Family Duty station</td>
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<tr>
<td>Assignment Place Remark</td>
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Living Conditions

Afghanistan is a hardship duty station with a volatile security. Living and working conditions for UN volunteers in UNAMA are similar to the living conditions of all other internationally recruited staff members. UN volunteers are provided with safe accommodation in an extensive compound in Kabul with good infrastructure and amenities. The mission has three compounds in Kabul: Compound Alpha, and UNOCA (UN Operational Complex in Afghanistan) the largest one.

UNAMA has three different locations in Kabul, most of the substantive offices, including the SRSG’s are located at the so-called alpha Compound and Palace #7, which is close to the city center, while most of the administrative and technical support offices are located at the UNOCA compound on Jalalabad Road, at some distance from central Kabul.

Generally speaking, stringent security measures are in place throughout the country and UN volunteers as other UN staff, are quite limited to duty stations when it comes to movement. Walking is virtually not allowed. The movement is done inside the “green zone” (only) in armored vehicles driven by national qualified UN drivers.

The single unit accommodation in UNOCA and other field locations are fully furnished; this includes, furniture, washing machine dryer, hot plate, iron and iron stand, microwave, plates, cups, spoons, cooking utensils, electric kettle. One bedsheet and pillow cover is provided. The monthly charge for UN
provided accommodation is USD 300 which is deducted from the monthly Volunteer Living Allowance.

Inside the UNOCA compound are two cafeterias, a restaurant, a Supermarket and 3 small shops which provide a variety of imported canned and frozen food on offer. There is a Fresh vegetable market daily. There is also a social center, a gym hall and a small library with books and DVDs, run by the welfare Office, within the same compound. UNOCA has a new minimarket where basic goods can be bought also. There are also a number of UN cleared supermarkets in Kabul, in Jalalabad, and in Mazar-I-Sharif. The Volunteers are encouraged to bring their own towel and other personal accessories including toiletries and medicines which they may not find easily within the super markets inside the UNOCA Compound.

Some degree of medical service is provided in all UNAMA duty stations. There is a UN clinic in UNAMA/UNOCA complex and access is granted in Kabul to other private international clinics (when and if needed).

Contact with and outreach to the local community is usually limited. As mentioned, many places are off-limits and the choice of recreational facilities are very poor. For all these reasons, bring a stock of books, DVDs/VCDs, computer games, etc., is highly recommended.

Summer in Afghanistan is hot and dry but winter is the opposite – cold and wet. Therefore, both summer and winter clothing and comfortable boots with insulation are necessary.

Afghanistan is a unique country and UNAMA is a unique UN mission. It requires more stamina, commitment, and flexibility than elsewhere to make life comfortable. Therefore, flexibility and the ability and willingness to live and work in hazardous and harsh conditions involving physical hardship and little comfort is essential.

Assignment Details

Assignment Title    Electrical Engineer
Organizational Context & Project Description

UNAMA is a political mission that provides political good offices in Afghanistan; works with and supports the government; supports the process of peace and reconciliation; monitors and promotes human rights and the protection of civilians in armed conflict; promotes good governance; and encourages regional cooperation.

UNAMA was established by the UN Security Council Resolution 1401 in March 2002 at the request of the Government of the Islamic Republic of Afghanistan. Its mandate is reviewed annually with the latest mandate renewal being on 17 September 2019 when the Security Council unanimously adopted Resolution 2489.

Resolution 2489 (2019) calls for UNAMA and the Secretary-General’s Special Representative for Afghanistan, within their mandate and in a manner consistent with Afghan sovereignty, leadership and ownership, to continue to lead and coordinate international civilian efforts in full cooperation with the Government of Afghanistan.

UNAMA maintains a permanent and extensive field presence across Afghanistan, as well as liaison offices in Pakistan and Iran. The Mission has more than 1,211 staff - comprised of 833 Afghan nationals, 310 international staff and 68 UNVs. (Figures from December 2018.)

Sustainable Development Goals    16. Peace, Justice and Strong Institutions
Task description
Under the direct supervision of Chief, Engineering Section the UN Volunteer will undertake the following tasks:

- Apply commonly used electrical engineering calculations, standard practices and precedents for designing & installation of Solar PV system, electrical distribution systems, panel boards, switch boards, calibrating electrical equipment and synchronization of generating sets;
- Install, commission & maintain solar hybrid PV system, synchronise it with existing diesel generator & keep track of record of energy generated by Solar PV system.
- Troubleshoot, repair, and maintain the Solar PV System, Generators alternators, controllers, electrical wiring and distribution systems, electrical equipment, and appliances;
- Undertake research to gather information related to electrical energy consumption, prepare presentations for electrical energy demand forecast and mitigation measures.
- Develop scope of work, specifications, bill of quantity and the technical evaluation criteria for electrical goods and services;
- Analyse electrical project proposals to ensure technical feasibility and to ensure that project objectives are attainable within the prescribed resources;
- Assist in preparation of acquisition plan, performance reports and budget proposal for all electrical supplies;
- Evaluates stock levels of electrical consumable items and advises the Unit/Section Chief and/or Technical units of requirements and surplus quantities of electrical assets and related equipment to ensure adequate stock are maintained to meet the operational requirements of the Mission;
- Estimate cost of repairs of damaged electrical equipment, appliances or systems and/or determine whether maintenance burdens are economic, cost effective or feasible or not;
- Conduct Electrical Load calculation of the facilities, selection of generators to expected electrical loads, and calculate electrical load accurately;
- Provide technical support to outsourced team of electricians and repair crew for electrical installations, installation of electrical machines, equipment and appliances;
- Ensures the smooth operation of all facets of the electromechanical unit in accordance with UN rules regulations and guidelines;
- Monitor electrical service contractors and assist national electrical engineering personnel and electrical technicians assigned to the Engineering Section in the Mission.
- Liaise with other engineering personnel in the mission and mission logisticians to resolve challenges through teamwork;
- Coordinate with the other technical units to ensure correct and proper accountability and maintenance of Electrical items;
- Prepares reports as required and performs any other duties related to electromechanical unit requested by Unit/Section Chief;
- Capacity building and knowledge sharing as part of continuous learning process for all counterparts;
- UNV will develop and implement a Capacity building/mentoring/coaching and formal on-the-job training programme for national staff within the electromechanical unit.
Furthermore, UN Volunteers are required to:- Strengthen their knowledge and understanding of the concept of volunteerism by reading relevant UNV and external publications and take active part in UNV activities (for instance in events that mark International Volunteer Day)- Be acquainted with and build on traditional and/or local forms of volunteerism in the host country- Provide annual and end of assignment reports on UN Volunteer actions, results and opportunities using UNV’s Volunteer Reporting Application- Contribute articles/write-ups on field experiences and submit them for UNV publications/websites, newsletters, press releases, etc.- Assist with the UNV Buddy Programme for newly-arrived UN Volunteers- Promote or advise local groups in the use of online volunteering, or encourage relevant local individuals and organizations to use the UNV Online Volunteering service whenever technically possible.

Results/Expected Outputs

- Technical support provided to a team of electricians and repair crew for maintenance of electrical installations, installation of electrical machines, equipment and appliances in UNAMA compounds  
- The electrical unit is operating in accordance with UN rules regulations and guidelines;  
- Technical and monitoring support provided to electrical service contractors, national electrical engineering personnel and electrical technicians assigned to the Engineering Section in the Mission.  
- Ensures coordination with the other technical units resulting in the proper accountability and maintenance of Electrical items;  
- Capacity building/mentoring programme developed and implemented.

- The development of capacity through coaching, mentoring and formal on-the-job training, when working with (including supervising) national staff or (non-) governmental counter-parts, including Implementing Partners (IPs);  
- Age, Gender and Diversity (AGD) perspective is systematically applied, integrated and documented in all activities throughout the assignment  
- A final statement of achievements towards volunteerism for peace and development during the assignment, such as reporting on the number of volunteers mobilized, activities participated in and capacities developed

Qualifications/Requirements

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<th>Required Degree Level</th>
<th>Technical/Vocational diploma</th>
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<th>Education - Additional Comments</th>
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| Degree level: Technical/Vocation diploma |

| Type of Degree: Diploma in Electrical Engineering with a relevant combination of academic qualifications and experience in Solar PV Hybrid system |

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<tr>
<th>Required experience</th>
<th>36 months</th>
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<th>Experience Remark</th>
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A minimum of 3 years progressively experience in the field of Electrical Engineering; Experience in
Training/Capacity Building, Mentoring as he/she will be expected to be building the capacity of national staff within the electromechanical unit

Language
- English (Mandatory), Level - Fluent
- And One of these - Dari (Optional), Level - Working Knowledge

Area of Expertise
- Electrical engineering Mandatory

Area of Expertise Requirement
Need Driving Licence: Yes

Competencies & Values
- Accountability
- Adaptability and Flexibility
- Building Trust
- Client Orientation
- Commitment and Motivation
- Commitment to Continuous Learning
- Communication
- Creativity
- Empowering Others
- Ethics and Values
- Integrity
- Judgement and Decision-making
- Knowledge Sharing
- Leadership
- Managing Performance
- Planning and Organizing
- Professionalism
- Respect for Diversity
- Self-Management
- Technological Awareness
- Vision
- Working in Teams

Conditions of Service and other information

Condition of Service

Click here to view Conditions of Service
Conditions of Service for International Specialist:

The contract lasts for the period indicated above with possibility of extensions subject to availability of funding, operational necessity and satisfactory performance. However, there is no expectation of renewal of the assignment.

A UN Volunteer receives a Volunteer Living Allowance (VLA) which is composed of the Monthly Living Allowance (MLA) and a Family Allowance (FA) for those with dependents (maximum three).

The Volunteer Living Allowance (VLA) is paid at the end of each month to cover housing, utilities, transportation, communications and other basic needs. The VLA can be computed by applying the Post-Adjustment Multiplier (PAM) to the VLA base rate of US$ 1,631. The VLA base rate is a global rate across the world, while the PAM is duty station/country-specific and fluctuates on a monthly basis according to the cost of living. This method ensures that international UN Volunteers have comparable purchasing power at all duty stations irrespective of varying costs of living. The PAM is established by the International Civil Service Commission (ICSC) and is published at the beginning of every month on the ICSC website http://icsc.un.org.

For UN Volunteer entitlements, kindly refer to the link https://vmam.unv.org/calculator/entitlements

In non-family duty stations that belong to hardship categories D or E, as classified by the ICSC, international UN Volunteers receive a Well-Being Differential (WBD) on a monthly basis.

Furthermore, UN Volunteers are provided a settling-in-grant (SIG) at the start of the assignment (if the volunteer did not reside in the duty station for at least 6 months prior to taking up the assignment) and in the event of a permanent reassignment to another duty station.

UNV provides life, health, permanent disability insurances as well as assignment travel, annual leave, full integration in the UN security framework (including residential security reimbursements).

UN Volunteers are paid Daily Subsistence Allowance at the UN rate for official travels, flight tickets for periodic home visit and for the final repatriation travel (if applicable). Resettlement allowance is paid for satisfactory service at the end of the assignment.

UNV will provide, together with the offer of assignment, a copy of the Conditions of Service, including Code of conduct, to the successful candidate.
Supervision, induction and duty of care of UN Volunteers

UN Volunteers should be provided equal duty of care as extended to all host entity personnel. Host entity support to the UN Volunteer includes, but is not limited to:

- Introductory briefings about the organisation and office-related context including security, emergency procedures, good cultural practice and orientation to the local environment;

- Support with arrival administration including setting-up of bank accounts, residence permit applications and completion of other official processes as required by the host government or host entity;

- Structured guidance, mentoring and coaching by a supervisor including a clear workplan and performance appraisal;

- Access to office space, equipment, IT support and any other systems and tools required to complete the objectives of the assignment including a host entity email address;

- Access to shared host entity corporate knowledge, training and learning;

- Inclusion of the volunteer in emergency procedures such as evacuations;

- Leave management;

- DSA for official travel, when applicable;

- All changes in the Description of Assignment occurring between recruitment and arrival or during the assignment need to be formalized with the United Nations Volunteer Programme.

Application Code  
AFGR001497-6292

Application procedure

* Not yet registered in the UNV Talent Pool?

First register your profile at [https://vmam.unv.org/candidate/signup](https://vmam.unv.org/candidate/signup).

Important: After creating your account, complete all sections of your profile and submit it. Then go to ‘My Page’ at [https://vmam.unv.org/candidate/mypage](https://vmam.unv.org/candidate/mypage) and click on the ‘Special Calls’ hyperlink. Lastly, select the special call to which you would like to apply.

* Already registered in the UNV Talent Pool?

First update your profile at [https://vmam.unv.org/candidate/profile](https://vmam.unv.org/candidate/profile).
Then go to ‘My Page’ at https://vmam.unv.org/candidate/mypage and click on the ‘Special Calls’ hyperlink to select the special call to which you would like to apply.

Application deadline: 27 February 2020

doa.apply_url https://vmam.unv.org/candidate/show-doa/QUZHUuAwMTQ5Nw==

Disclaimer

United Nations Volunteers is an equal opportunity programme which welcomes applications from qualified professionals. We are committed to achieving diversity in terms of gender, nationality and culture.