**Term of Reference**

**Plant Electro-Mechanic Technician (Consultant)**

**Bentiu, Unity State, South Sudan**

**Introduction:**

Concern Worldwide (CWW) is one of the leading humanitarian organisations operating in South Sudan with WASH, Shelter/NFIs, FSL and nutrition programmes. This is an exciting opportunity to support to the WASH programme in Unity State and by ensuring high quality provision of services in all Concern program implementation areas (PoC, Rubkhona, Guit and Bentiu). The Plant Electro-Mechanic Consultant will directly report to WASH Engineer and will perform general maintenance, installation, servicing and repairs of the varied range of generator sets; generator’s control systems, water pumps solar systems and associated equipment for boreholes and water treatment plants. The role will ensure smooth running of the Gensets and constant supply and production of water is achieved.

**Objectives:**

* Support Installation and testing of new generators, PV Solar systems, booster pumps and submersible pumps including retrieval of old and defective ones.
* Repair and maintenance of Gensets electrical parts, instruments and control panel.
* Repair and maintenance of submersible pump electrical including motors, cables and controls.
* Repair and maintenance of the standby control panels, change over switches and other electrical equipment in the water treatment plants and the boreholes.
* Conduct installation, servicing and repairs of booster pumps.
* Trouble shooting of electrical faults on generators, PV Solar systems, submersible pumps and other accessories such as alum dosing unit and chlorine dozer.
* Monitoring of all electrical installations in the generator rooms and making recommendations to the WASH Technician/Engineer of their replacements or repairs.
* Respond to breakdowns and timely conduct repairs for generators, pumps and PV Solar systems.
* Keep records of all the repairs done for generators, submersible pumps, booster pumps, PV solar systems.
* Ensure all backup equipment in stock e.g. submersible pumps, generators etc. are in good working order.
* Support the WASH Engineer in developing list of items for the necessary fast moving electrical spare parts, consumables and tools for the repair of the Generators, submersible pumps, PV solar systems and other equipment.
* Executing of preventive maintenance and condition monitoring of all the generators, booster pumps, submersible pumps and PV Solar systems and updating their related records.
* Ensure/oversee the operations of Bentiu treatment plant unit is optimum and measures are taken to optimise production and ensure system component such as filter medium maintenance (backwashing/change) is done on time.

**Deliverables:**

* Timely reporting of any circumstance which need special attention and executing of preventive maintenance and condition monitoring of all the generators, surface/submersible pumps and PV Solar systems and updating their related records.
* Keep records of all the repairs done to the Diesel driven generators and the running hours of the Generators to ensure timely servicing.
* Keep records of all the repairs done for generators, submersible pumps, booster pumps, PV solar systems.
* Inspect and test all mechanical and electrical equipment and document the parameters for referencing.
* Develop schedule of fast moving materials/Service/Spare parts enable stocking and prepositioning.

**Qualifications:**

* At least Diploma/Certificate in plant Electrical from a recognized college/University or At least Diploma/Certificate in plant mechanic from a recognized institution; college/University.
* At least two (2) years’ experience working as a Plant Electrician/Mechanic in a plant or water utility servicing generators, submersible pumps, PV Solar systems and other related equipment.
* Strong communication skills including English and local languages: oral, written and presentation skills.
* Experience in plumbing and plumbing works will be an added advantage.

**How to Apply:**

If you believe you are the right candidate or organisation to offer these services, please send through your Narrative Technical and financial proposals attaching the following:

* Detailed Curriculum vitae (CV),
* Photocopies of academic certifications
* Recommendations letters from at least 3 companies/NGOs you have offered similar services to-provide their names and contact details and email addresses for reference and background check.
* Complete the attached financial proposal template

**NB: This is not a Concern Worldwide staff position, the consultant will be engaged for a period of 4 months and will provide their own accommodation in Bentiu and cater for their living expenses during the period of the consultancy.**

**Submission of Bids**

Bids must be submitted on email to: [tenders.southsudan@concern.net](mailto:tenders.southsudan@concern.net) , with the subject of the email clearly stating ‘Application for electro-mechanic consultant” The deadline for submission of bids is 11th September 2020.

**Evaluation of Bids**

All bids will be evaluated based on the administrative, technical and financial information provided in the submission

**Questions / Enquiries**

For Questions or enquiries please contact [tenders.southsudan@concern.net](mailto:tenders.southsudan@concern.net)

**SOUTH SUDANESE INDIVIDUALS OR COMPANIES REGISTERED IN SOUTH SUDAN AND HAVING AN OFFICE IN BENTIU ARE ENCOURGAGED TO APPLY**