



General Information	
■ Expert Title	<input checked="" type="checkbox"/> ① KOICA Advisor <input type="checkbox"/> ② NIPA advisor <input type="checkbox"/> ③ Techno Peace Corps
■ Area of expertise	<ul style="list-style-type: none"> Energy Resources (Water Resources Management, Renewable Energy, Energy Resource Policy and Electricity/Power)
■ Job Title	Specialist
■ Location, Country	Dodoma, TANZANIA
■ Number of Expert	1
■ Duration	12 months
Detailed information of the requesting organization	
<p>■ Organization Name: Dodoma Urban Water Supply and Sanitation Authority (DUWASA)</p> <ul style="list-style-type: none"> - Requesting Department: Water Supply and Sanitation Services Management and IT - Office Name: DUWASA <p>■ Type of Organization</p> <p> <input type="checkbox"/> Government <input checked="" type="checkbox"/> Public organization <input type="checkbox"/> Public corporation <input type="checkbox"/> University <input type="checkbox"/> Research institution <input type="checkbox"/> Others: </p> <p>■ Working Day/Hours: Monday – Friday (0730AM – 1630PM)</p> <p>■ Contact Person: Eng. Peter E Shemwelekwa (Manager of Water Production and Distribution)</p> <p>■ Tel/Fax/E-mail: +255 746598496; peter.shemwelekwa@duwasa.go.tz</p> <p>■ Duty Station: DODOMA</p> <p>■ Major activities of the Organization: (Please list at least three)</p> <ol style="list-style-type: none"> Production of Water, and Distribution to Dodoma Residents Removal of Wastewater through central sewerage system and cesspit emptier trucks Collection of revenues from water sales and sewerage disposal services as well as operate and maintain infrastructures for the sustainability of the service to consumers within the city. 	

■ Major activities of the department where WFK – Advisor/TPC will be dispatched

1. Treat the abstracted water to meet the required standards.
2. Monitor operations of water treatment plants and boreholes.
3. Monitor and record energy consumption and advise the management on measures to optimize energy use.
4. Maintain water plant facilities and ensure they are in good working condition
5. Plan and implement preventive maintenance programs for water production infrastructures.
6. Transmit water from plants to reservoirs.
7. Manage pressure within the transmission mains and distribution networks and Repair leakages along water transmission and distribution mains.
8. Control and manage non-revenue water in transmission mains and distribution networks for the entire Authority.
9. Plan and carry out preventive maintenance in the distribution networks.

■ Experience of working with WFK – Advisor/TPC

☐ Yes ☒ No

■ If yes, please describe the tasks of WFK – Advisor/TPC

- Conduct technical studies on current situation of local economy in the area
- Bring in good practices on local development
- Set up a pilot model for implementation

Description of Tasks

■ The tasks to be undertaken by the WFK – Advisor/TPC will be:

(Describe the overall objectives of the task, why this task is needed and what the expert will do)

- Summary:

- The expert shall assist local experts in practice of making informed decisions, based on structural insights into energy consumption and its impact on an organization and upgrade their skills with new technologies and equipment currently in the world.
- Moreover, on Electricity/power and other instrumentation issues, the expert shall learn the technology that was used in the past and advice on the new and compatible technology that can be adopted by local experts which shall be user friendly to the authority experts and sustain daily operations with optimum



utilization of knowledge.

- Furthermore, the expert shall share the experience and expertise acquired from his/her vast and past experience and exposure so that local experts can learn and develop.

■ **Responsibilities of WFK – Advisor/TPC** (*Please mark all that apply and type in detail*)

☒ **Technical support**

- To provide technical advisories and exchange of experiences
- To develop operational manuals for the authority on different aspects of expertise and technology

☒ **Training of local staff**

- To develop skills in local staff in executing daily activities of the authority with efficiency and clarity.

Expected Results/Output

■ **Expected results/output of the tasks by the WFK – Advisor/TPC include:**

- A creation of operation manual for the authority including standard working procedures.
- Improved knowledge and skills of local staff how to Monitor energy conservation for improving the equipment's energy consumption on their own after the expert departure.
- Use of technological gadgets that will ease the operations of the authority.

Required (Preferred) qualifications of WFK – Advisor/TPC

(List the minimum essential qualifications required for the experts to successfully carry out this task)

■ **Gender**

☐ Male ☐ Female ☒ **No preference**

■ **Educational Background**

☒ **Bachelor's Degree** ☐ Master's Degree Doctor's Degree

- **Bachelor's degree or equivalent in relevant fields of expertise**

* **Similar or other educational background will be fine if the selected expert has an ability to do the requested tasks**

☒ **Yes** ☐ No

■ **Required Work Experience** (*Specify work experience required for the experts*)

- Excellent inter-personal and communication skills**

■ Location of the workplace	- <u>0-30</u> Km from the capital city - <u>30 minutes</u> hours by <u>car</u> (transportation)		
■ Information on the co-worker who will work closely with the WFK-Advisor	1. Full Name (Eng.): Ntambi Dawa - Position/Work area: Maintenance and Logistics Engineer , - Tel/E-mail: +255 752999114 ; ntambi.dawa@duwasa.go.tz - English Language Skill: <input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Advanced 2. Full Name (Eng.): Peter Shemwelekwa - Position/Work area: Manager, Water Production - Tel/E-mail: +255 746598496 ; peter.shemwelekwa@duwasa.go.tz - English Language Skill: <input type="checkbox"/> Basic <input type="checkbox"/> Intermediate <input checked="" type="checkbox"/> Advanced		
■ Administrative and financial arrangements to be provided by your organization for the WFK-Advisor/TPC <i>(Please mark on the box)</i>	Items	Available	Not available
	Housing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Others	<input type="checkbox"/> PC <input checked="" type="checkbox"/> Printer <input checked="" type="checkbox"/> Internet access <input type="checkbox"/> Phone <input checked="" type="checkbox"/> Air Conditioning <input type="checkbox"/> Heater <input type="checkbox"/> Desk <input type="checkbox"/> Chair <input type="checkbox"/> Bookshelf <input type="checkbox"/> Others ()	



** Once the experts are selected based on your request, you are required to cooperate with the Korean implementing agencies by providing the necessary administrative procedures such as visa, acceptance letter, etc. Without your cooperation, expert dispatching will not be available and/or will be cancelled. Thank you for your cooperation.*

12/05/2023

(Date of filling out the form)

Eng. Emmanuel C. Mwakabole

(Name of the person in charge)

Director Water Supply and
Sanitation Services Management

(Position of the person)

