



<Attachment 1>

JOB DESCRIPTION of World Friends Korea(WFK)-Advisor

※ Please complete the form and mark on the box.

General Information	
<p>■ Job Title <i>The job title must accurately describe the job to be performed by the expert</i></p>	<p>Power Supply System specialist</p>
<p>■ Location, Country <i>(eg :. Vientiane, Laos)</i></p>	<p>Lima, Perú</p>
<p>■ Duration</p>	<p><input type="checkbox"/> 6 months <input checked="" type="checkbox"/> 12 months</p>
<p>■ Expected Starting Date</p>	<p><input checked="" type="checkbox"/> November 2017 ~ <input type="checkbox"/> December 2017 ~ <input type="checkbox"/> No preference</p>
Detailed information of the requesting organization	
<p>■ Organization Name : <div style="text-align: center;"> <p>Supervisory Agency of Investment in Energy and Mining (Organismo Supervisor de la Inversión en Energía y Minería (Osinergmin))</p> </div> <p>- Requesting Department : <div style="text-align: center;"> <p>Division of Regional Supervision (División de Supervisión Regional)</p> </div> <p>Office Name :</p> </p></p>	
<p>■ Type of Organization 1) <input checked="" type="checkbox"/> Government <input type="checkbox"/> Public organization <input type="checkbox"/> Public corporation <input type="checkbox"/> Others :</p>	
<p>■ Working Day/Hours : 8</p>	
<p>■ Contact Person : <i>(Please nominate someone from your organization who will be responsible for the work of Korean experts)</i> Víctor Murillo Huamán</p>	
<p>■ Tel/Fax/E-mail : ++51 1 995 568 158 vmurillo@osinergmin.gob.pe</p>	
<p>■ Office Location : Av. Jorge Basadre 157, 5to Piso. San Isidro. Lima. PERU</p>	



■ **Major activities of the Organization***(Please list at least three)*

- Supervise power quality to electrical utilities
- Supervise hydrocarbon services
- Supervise safe and high quality at mining companies

■ **Major activities of the department where WFK - Advisor will be dispatched**

- Supervision of distribution and commercialization of electricity
- Control of distribution and commercialization of energy
- Supervision of power quality

■ **Experience of working with WFK - Advisor**

Yes No

■ **If yes, please describe the tasks of WFK - Advisor**

- Conduct technical studies with Geographic Information Systems for natural gas.
- Bring in good practices with Natural Gas GIS
- Propose a Natural Gas GIS model for implementation

Description of Tasks *

■ **The tasks to be undertaken by the WFK - Advisor will be:**

- **Summary :** *(Describe the overall objectives of the task, why this task is needed and what the expert will doing)*
- **Exchange of knowledge (technology, best practice, innovation) in relation to improving quality of electric power supply such as reduction of System Average Interruption Frequency Index (SAIFI) and System Average Interruption Duration Index (SAIDI), appropriate monitoring on voltage level of electric power system;**
- **Analyze and propose strategies for reducing the number and duration of interruptions (SAIFI & SAIDI) in the country's electricity distribution networks.**



■ **Main duty of WFK - Advisor** *(Please mark all that apply and type in detail)*

Policy making and Strategic planning

- To realize meetings with local actors (electrical utilities, local government, universities, NGOs, international cooperation) in order to establish strategic alliances oriented to reduce SAIDI and SAIFI.

- Propose a strategic plan to reduce SAIFI and SAIDI to each electrical typical sector of Perú.

- **Technical support**

- To provide to ours technical professionals: best practices, innovation and exchange of experiences in power quality.

- To develop operational manuals for the DSR Osinergmin in order to reduce SAIDI and SAIFI.

Training of local staff

- To develop skills in public and private sector in the themes of control interruptions.

Expected Results/Output

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

- A creation of an operation manual for electrical utilities in order to control frequency an duration of interruptions.

- A creation of a supervision manual for Osinergmin in order to control frequency an duration of interruptions.

Required(Preferred) qualifications of WFK - Advisor

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

■ **Gender**

- Male Female No preference

■ **Educational Background**

- Master's degree or equivalent in Electrical Engineering.

* 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)*
 - **At least, 10 years of work experience in power quality (interruptions)**

* **Similar or related work experience will be fine if the selected expert has an ability to do the requested tasks**

Yes **No**

■ **Language : English**

(Official business language will be English. If your organization requires the use of other languages, please provide reasons)

- **Reasons :**

■ **Other Requirements** *(Identify desired skills or qualities for the task)*

- **Excellent inter-personal and communication skills**
- **Knowledge of Spanish is an advantage, but not a requisite**

Description of the Workplace

■ Location of the workplace	<ul style="list-style-type: none"> - <u>2</u> Km from the capital city - <u>0.5</u> hours by <u>car</u> (transportation) 		
■ Information on the co-worker who will work closely with the WFK-Advisor	<ul style="list-style-type: none"> - Full Name (Mr./Ms.) : Mr. Victor Murillo and Mr. Esteban Inga - Position/Work area : Manager of DSR Osinergmin/ Technical Advisor on Electricity - Tel/E-mail : vmurillo@osinergmin.gob.pe einga@osinergmin.gob.pe - English Language Skill : <input type="checkbox"/> Basic <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Advanced 		
■ Administrative and financial arrangements to be provided by your organization for the WFK-Advisor <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 checked="" type="checkbox"/> PC <input checked="" type="checkbox"/> Internet access <input type="checkbox"/> Others(<input type="checkbox"/> Printer <input type="checkbox"/> Phone)



Job Description



<p>■ Other information that may help the WFK-Advisor adapt to the local environment <i>(Living conditions, weather, allowance, etc.)</i></p>	
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** 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.*

May 10, 2017

(Date of filling out the form)

Jorge Mañuico Mallma

(Name of the person in charge)

Manager of the Regional Supervision Division (e)

(Position of the person)

Signature with official stamp