



## JOB DESCRIPTION of World Friends Korea(WFK)-Advisor

※ Please complete the form and mark on the box.

General Information	
<b>■ Job Title</b> <i>The job title must accurately describe the job to be performed by the expert</i>	Railroad construction and management system
<b>■ Location, Country</b> <i>(eg : Vientiane, Laos)</i>	Quito, Ecuador
<b>■ Duration</b>	<input checked="" type="checkbox"/> 6 months <input type="checkbox"/> 12 months
<b>■ Expected Starting Date</b>	<input type="checkbox"/> June 2017 ~ <input type="checkbox"/> December 2017 ~ <input checked="" type="checkbox"/> No preference
Detailed information of the requesting organization	
<b>■ Organization Name : Ferrocarriles del Ecuador Empresa Pública</b>  <b>- Requesting Department : Operation Management</b>	
<b>■ Type of Organization</b> 1) <input checked="" type="checkbox"/> Government <input type="checkbox"/> Public organization <input type="checkbox"/> Public corporation <input type="checkbox"/> Others :	
<b>■ Contact Person : Engineer Cristina Peñaaherrera, Plannig Manager</b>	
<b>■ Tel/Fax/E-mail : email: <a href="mailto:cpenaherrera@ferrocarrilesdelecuador.gob.ec">cpenaherrera@ferrocarrilesdelecuador.gob.ec</a></b> <b>Tel: (593)(02)(3992100)</b>	
<b>■ Office Location : Quito – Ecuador</b> Pedro Vicente Maldonado s/n y Sincholagua Chimbacalle Train Station	
<b>■ Major activities of the Organization (Please list at least three)</b>  Ferrocarriles del Ecuador Empresa Pública, is an entity of the Ecuadorian State, which provides rail tourist services, whose mission is:  Manage and operate the national rail system efficiently by offering innovative tourism products with high quality standards, excellence, social responsibility, favoring the professional development of our human talent and the strengthening of local economies.	



## INSTITUTIONAL OBJECTIVES

- Increase the safety, reliability and quality of the railway operation at the national level.
- Increase operational results with more profitable products and strengthen local economies.
- According to its creation decree Ferrocarriles del Ecuador Public Company FEEP, is a company in which there is preeminence of the search of social profitability, aligned to the mission, vision and strategic objectives

FEEP within its portfolio of products offer the following:

**Products Excursion:** Includes full day train tours complemented by additional tourist activities in the destinations, preferably with community actors and / or the popular and solidarity economy.

**Tren Crucero:** It contemplates the route from the Andes to the Ecuadorian Coast, in a period of 4 days and 3 nights.

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

The Railway Operations Management of Ferrocarriles del Ecuador Empresa Pública is in charge of everything related to the railway operation, in this management are the areas of Mechanics, Mobility and Infrastructure.

### ■ Experience of working with WFK - Advisor

☐ Yes ☒ No

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

## 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)*

Ferrocarriles del Ecuador Empresa Pública, started the rehabilitation of the Ecuadorian railway system since 2010, for which new tractive and towed equipment was rehabilitated and acquired.

The company has been forging its knowledge in the railway area based on experience since the beginning of the rehabilitation of the Ecuadorian railway system; However, since there is no training institution in the country, the technical cooperation of countries with experience and technical knowledge in the area is very important.

Overall Objective:





To contribute with the technical knowledge that allow, to have a protocol and the calculation of the technical aspects related to the braking system of the rolling equipment of Ferrocarriles del Ecuador Empresa Pública.

This contribution and exchange of experiences will provide greater safety and operational efficiency of the Ecuadorian railway system.

**☒ Technical support**

Provide technical advice on the following topics:

- Analyze the different braking components and their condition, both in auto ferros and in locomotives
- Carry out the calculation of the trailing distance
- Braking mechanisms
- Brake marks
- Braking percentages
- Speed and load marks
- Braking protocols
- Analyze the geometry of the wheels and rails and their interaction analysis

**☒ Training of local staff**

Train the technical personnel of the mobility area in the required subjects.

**Expected Results/Output**

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

- Have the technical knowledge to clearly perform the benefits calculations of required in the braking service.
- Have a braking protocol appropriate to the reality of the Ecuadorian railway system
- Creation of an operations manual for the different braking components.
- Mobility staff trained.

**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**

- Railroad engineer or equivalent

- \* **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 experience in railway pneumatics and in railway operation.  
Experience in participating in commissions with manufacturers of tractive and towed equipment.

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

- ☒ Yes      ☐ No

■ **Language : English y conocimiento de español**

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

- **Reasons :**

Knowledge of the Spanish language is also requested because the advisor must interact with several technical personnel of the operations management, as well as with personnel of the crew who do not have knowledge of the English language.

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

- Excellent inter-personal and communication skills
- Knowledge of Spanish is an important advantage.

**Description of the Workplace**

<p>■ <b>Location of the workplace</b></p>	<p>The space where the expert will work most of the time will be in the headquarters offices located in the train station in the south center of the city of Quito, in the sector of Chimbacalle. In the streets Pedro Vicente Maldonado s / n and Sincholagua. Likewise you can visit the workshops located also in the city of Quito 5 minutes from the offices.</p> <p>The basis of the activities of the expert will be in the matrix in Quito, however it will be transferred to the South Branch, whose offices are in the city Riobamba; To the North Branch,</p>
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## Job Description



	whose offices are in the city of Ibarra, to the Litoral Branch, whose offices are in the city of Durán.		
■ Information on the co-worker who will work closely with the WFK-Advisor	<ul style="list-style-type: none"><li>- Full Name (Mr./Ms.) :Ms. Verónica Varela</li><li>- Position/Work area : Operation Manager</li><li>- Tel/E-mail : vvarela@ferrocarrilesdelecuador.gob.ec</li><li>- English Language Skill : <input type="checkbox"/> Basic <input checked="" type="checkbox"/> Intermediate <input type="checkbox"/> Advanced</li></ul>		
■ Administrative and financial arrangements to be provided by your organization for the WFK-Advisor (Please mark on the box)	<b>Items</b>	<b>Available</b>	<b>Not available</b>
	Housing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Transportation	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Others (Mark if available)	<input checked="" type="checkbox"/> PC <input checked="" type="checkbox"/> Internet access	<input checked="" type="checkbox"/> Printer <input type="checkbox"/> Phone
■ Other information that may help the WFK-Advisor adapt to the local environment (Living conditions, weather, allowance, etc.)	<p>Quito the capital of Ecuador which can vary between 7 ° C at night (55 ° F) and 26 ° C at noon (78 ° F), with an average temperature of 15 ° C (64 ° F). It has only two visible seasons, the humid and the dry, in the months of October to May it rains more frequently.</p> <p>The official currency of Ecuador is the United States dollar.</p>		

\* 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.

January 11, 2017

(Date of filling out the form)

Ana García Pando

(Name of the person in charge)



General Manager

(Position of the person)

Signature with official stamp