



KOICA

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NRF

“WORLD FRIENDS KOREA” ADVISORS & TECHNO PEACE CORPS

Korea International Cooperation Agency
National IT Industry Promotion Agency
National Research Foundation of Korea

The Government of the Republic of Korea is pleased to inform you that it has set up a **“World Friends Korea(WFK) Advisors & Techno Peace Corps(TPC)”** to dispatch to your country Korean experts with many years of experience in various fields. The program is aimed at providing support for the socioeconomic development of your country in the area of the exploration and planning of development projects, as well as technological and managerial consultation for the promotion of such projects.

The procedure of the program consists of the 4 steps as listed below. In general, it takes approximately 6 months from the initial survey of demand to the actual placement of experts. For this reason, the experts are dispatched every half year.(the TPCs are dispatched every year)

Steps	Contents	Expected period
1. Demand Survey	Demand survey via diplomatic channels	Nov. 2023
2. Planning	Planning	Dec. 2023
3. Recruitment	Preliminary application → Document examination → Interview → Medical examination → Selection	Jan. ~ May 2024
4. Preparatory Training, Dispatch	14 days of training in Korea Dispatch	Jun. 2024

The implementing agencies are the Korea International Cooperation Agency (KOICA) under the Ministry of Foreign affairs, National IT industry Promotion Agency (NIPA) under the Ministry of Science and ICT and National Research Foundation of Korea(NRF) under the Ministry of Science and ICT.

The attached Job Description is designed to ask your government the needs and the results expected by your government from the WFK program. Please fill out the attached form in detail and submit it to the Korean Embassy by **17, Nov. 2023**.

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. Full requirements and procedures will be announced at a later date. Thank you for your cooperation.

*** Guide for writing Job Description**

1. You should submit a Job Description for each expert.
2. The general information of Korean experts to be dispatched for WFK-Advisor/Techno Peace corps(TPC) are the following



Expert Title	WFK-Advisor		● WFK-Techno Peace corps(TPC)
	● KOICA Advisor	● NIPA Advisor	
Implement Agency	Korea International Cooperation Agency (KOICA) under the Ministry of Foreign affairs	National IT industry Promotion Agency (NIPA) under the Ministry of Trade, Industry and Energy	National Research Foundation of Korea(NRF) under the Ministry of Science and ICT
Category	Advisor		Volunteer
Responsibilities	Policy making and Strategic planning, Technical support, etc		Research, Lecturing, etc
Workplace	Mainly Public Institution, Government Organization		Mainly University, Research Institution
Sector	Public Administration, Education, Health, Agriculture, Forestry and Fisheries	Information Communication, Industrial Technology, Energy Resources, Trade/Investment, Local/regional Development	Science & Technology.
Background	More than 10(ten) years working experience in a relevant area		Specialists who have majored in the relevant fields(Priority given to holders of a Ph.D. or Master's degree)
Language	Intermediate or above level of proficiency in oral and written English		
Duration	1(one) year (Extend up to 3(three) years)		

3. Job title : You can refer to the attachment 3. List of sectors and choose one job title of experts in the list. The job title must accurately describe the job to be performed by the expert.
4. Please describe tasks and duties of WFK-Advisor/TPC as specifically as possible.
5. Once the experts are selected for your country, your organization should cooperate with Korean Implementing agencies by issuing visas, providing acceptance letters, etc.
The workplace (office and desk) must be offered for the experts.
6. Please fill out the form electronically using **Microsoft Word**.
(Hand-written form is often difficult to read and thus will not be accepted)
7. Please submit Job Description form to the Korean Embassy by **17, Nov. 2023**.
Incomplete forms will not be accepted.



8. For your reference, we send the **attachment 2. Sample of Job description.**

Attachment 1. Job Description form of WFK-Advisors/Techno Peace Corps(TPC)

Attachment 2. Sample of Job description

Attachment 3. List of sectors of WFK-Advisor/TPC Program



JOB DESCRIPTION of World Friends Korea(WFK) -Advisor & Techno Peace Corps(TPC)

※ Please complete the form and mark on the box.

General Information	
■ Expert Title	<div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> KOICA advisor <input checked="" type="checkbox"/> NIPA advisor <input type="checkbox"/> Techno Peace Corps </div> </div>
■ Area of expertise	Intelligent transportation systems, traffic engineering, programming, operation, and maintenance of traffic lights network systems and traffic management systems
■ Job Title	Specialist in traffic engineering (mesoscopic and microscopic modeling, and traffic control systems planning)
■ Location, Country	El Salvador, Central America
■ Number of Expert	1
■ Duration	12 months
Detailed information of the requesting organization	
■ Organization Name : Ministry of Public Works and Transportation <div style="margin-left: 20px;"> - Requesting Department : Vice Ministry of transportation - Office Name : Vice Ministry of transportation </div>	
■ Type of Organization <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Government <input type="checkbox"/> University </div> <div> <input type="checkbox"/> Public organization <input type="checkbox"/> Research institution </div> <div> <input type="checkbox"/> Public corporation <input type="checkbox"/> Others : </div> </div>	
■ Working Day/Hours : 30 or 40 hours a week / 5 days a week	
■ Contact Person : <div style="margin-left: 20px;"> - Félix Eduardo Serrano Campos - Alba Jeannette Nuñez Alvarado </div>	
■ Tel/Fax/E-mail :	



- (Félix) +503 7870-5005 / felix.serrano@mop.gob.sv

- (Alba) +503 7588 3085 / alba.nunez@mop.gob.sv

■ **Duty Station :** Vice Ministry of Transportation

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

- The Vice Ministry of Transportation is the regulatory authority for the management and operation of transportation, traffic and road safety at the national level

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

- Traffic control system planning of the entire national network
- Real-time traffic monitoring and detection of road problems
- Processing of information from the Photo Fine System capture, analysis, validation, and imposition of the infraction
- Monitoring of the operational efficiency of the road network of the metropolitan area of San Salvador
- Support in the operation of the centralized traffic control center

■ **Experience of working with WFK – Advisor/TPC**

☐ Yes ☒ No

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

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Description of Tasks

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

- **Summary:**

At the end of 2024, the Ministry of Public Works (MOP) and the Vice Ministry of Transportation (VMT) will receive a centralized system for traffic management with all its components. During the year 2024, the company that has developed the project will be responsible for the operation of the control centre and will provide training to the personnel that the MOP and VMT designate for the management of the systems and subsystems. For the MOP and VMT, it is essential that their personnel have the support of specialists with extensive experience in the administration of said systems, during the course of the year 2024 and 2025. Currently, the institutions do not have national personnel with the knowledge or the required



training, which is why MOP and VMT trust in the technical support that South Korea can provide through its specialists. The South Korean experts will carry out all the tasks detailed in the following section and will strengthen the main VMT activities that were stated in previous paragraphs.

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

✓ **Policy making and Strategic planning** *(Only for the Advisor)*

- Support in the definition and design of strategies for traffic management
- Support in the design of policies aimed at the comprehensive improvement of the mobility system
- Support in the design of strategies to progressively strengthen the centralized traffic management system and all its components
- Support in the definition of a platform for data integration, processing, and analysis

✓ **Technical support (Main duty)**

- Technical support in the design of the maintenance plan for traffic light network equipment
- Technical support in traffic data analysis
- Technical support in the design of traffic light plans based on traffic simulations
- Supervision and monitoring of the operation of ITS equipment
- Technical support in the design of the maintenance plan for ITS equipment

✓ **Training of local staff**

- Training of personnel dedicated to the administration of the different systems and subsystems of the control centre and all its components
- Advice and training of key personnel and decision-makers in the control centre

Expected Results/Output

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

- Guarantee adequate management of the control centre in its first stages of implementation
- Improve and reinforce the knowledge that the MOP and VMT personnel have acquired in the training process that the Project executing company will provide



- Support planning and decision making in a team of experts with extensive experience in the work area have a strategy to strengthen and modernize the system in the future
- Improved traffic conditions in the national traffic network

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 in computer system engineering of industrial engineering **(Required)**
- Master's Degree in ITS engineering **(Optional)**

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

- 15 years working in the design, implementation and commissioning of intelligent transportation systems, especially those contemplated by the El Salvador System, which are: ΔAdaptive traffic lights, ΔTraffic Detection Video Camera, ΔCameras for real-time traffic monitoring, ΔVariable message Panels Cameras to control compliance with Traffic Regulations, ΔDynamic weighing Sensors and Sensors for monitoring speeds and travel times **(Required)**
- 8 years working in the programming of traffic light controls, in the planning of control centre operational plans, and maintenance **(Optional)**

■ **Language: English**

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

- **Reasons:**

It is not guaranteed that hired personnel have complete command of the English languages


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

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Description of the Workplace
■ Location of the workplace

The work place is located in Kilómetro 9, Carretera Panamericana, Santa Tecla, La Libertad, in front of the Las Ramblas Shopping Center, 1.9 kilometers from the center of San Salvador (30 minutes in private transportation).
When the monitoring center is ready, the Korean experts will be located in the new building at the La Lechunza Campus in 5km 1/2 Carretera a Santa Tecla.

■ Information on the co-worker who will work closely with the WFK-Advisor

- Full Name
1). Mr. Felix Eduardo Serrano Campos
2). Mrs. Alba Jeannette Nuñez Alvarado
- Position/Work area:
(Félix) Technical coordinator of the general direction of traffic
(Alba) Director of Cooperation and Logistics
- Tel/E-mail:
(Félix) +503 7870-5005 / felix.serrano@mop.gob.sv
(Alba) +503 7588 3085 / alba.nunez@mop.gob.sv
- English Language Skill:
☒ Basic ☐ Intermediate ☐ Advanced

■ Administrative and financial arrangements to be provided by your organization for the WFK-Advisor/TPC
(Please mark on the box)

Items	Available	Not available
Housing	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transportation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Others	<input checked="" type="checkbox"/> PC <input checked="" type="checkbox"/> Printer <input checked="" type="checkbox"/> Internet access <input checked="" type="checkbox"/> Phone <input checked="" type="checkbox"/> Air Conditioning <input type="checkbox"/> Heater <input checked="" type="checkbox"/> Desk <input checked="" type="checkbox"/> Chair <input type="checkbox"/> Bookshelf <input type="checkbox"/> Others()	

■ Other information that may help the WFK-Advisor/TPC adapt to the local environment

Capital: San Salvador
Currency: USD / Bitcoin

In Sal Salvador, the rainy season is hot and cloudy and dry season is very hot, humid and mostly clear. Over the course of the year, the temperature generally varies from 17C to 31C and rarely drop below 15C or rises above 33C. Near the workplace there are several food places and shopping centers

■ Photos (if possible)

* 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.



Ministry of Foreign Affairs
Republic of Korea



October, 25th 2023

Edgar Romeo Rodríguez Herrera

Ministry of Public Works and
Transportation



Signature with official stamp