



Au service
des peuples
et des nations



TECHNICAL FORM REFLECTION PROJECT

HEADING	Sanitary sewage system and wastewater treatment plant construction in the community of El Jícaro, Department of Nueva Segovia
INTERVENTION AREA	El Jícaro, Department of Nueva Segovia, Nicaragua.
GUIDING POLICY	
DURATION	First stage: 7 months Entire project (First, second and third stage): 20 months
PROJECT SUMMARY	<p>Lines of intervention: Sanitary sewage and wastewater treatment.</p> <p>General Objective: contribute to the improvement of El Jícaro's inhabitants living conditions through the establishment of the sanitary sewage system.</p> <p>Specific objectives: Develop an environmental impact study and final design for the construction and installation of the infrastructure of a sanitary sewage system and that at the end of works execution, will provide service to 5,830 people.</p>
PROJECT BENEFICIARIES	5,946 inhabitants
DESIRED RESULTS	<ul style="list-style-type: none"> • Build 165 manholes • Install 15.6 km of pipe collection network • Install 1,060 new service connections • Install 1.3 Km of sewer pipe • Construction of a wastewater treatment system with: <ul style="list-style-type: none"> - Pre-treatment - Imhoff Tank - Maturation Lagoon - Drying zones
PLANNED ACTIVITIES	<p>For the construction of the sanitary sewage system and the wastewater treatment plant of El Jícaro a process that envisages three stages is required: This project profile focuses on address and highlight the characteristics of the initial stage, which is essential for the implementation of the remaining stages.</p> <p><i>1. First stage: for conducting pre-investment studies.</i> This includes the environmental impact study, final design and land acquisition, in an estimated 4-7 months (maximum) period.</p> <p>Planned Activities:</p> <ul style="list-style-type: none"> - Development of Terms of Reference for the environmental impact study and design. - Hiring of consultancy services for the impact study - Hiring of consultancy services for design - Design and study implementation - Properties/land acquisition - Design and study final evaluation



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GLOBAL WATER SOLIDARITY

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	<ol style="list-style-type: none"> 2. <i>Second phase, for the works contract and its execution</i> 3. <i>Promotion at community level to encourage the involvement of the population to the service.</i>
PROJECT MANAGER	Nicaraguan Enterprise of Aqueducts and Sewage (ENACAL)
PARTICIPATING ORGANIZATIONS	
PARTNERS AND CONTRIBUTIONS	
BUDGET	<p>First stage for performing an Environmental Impact Study- Final Design and Property/Land Acquisition:</p> <ul style="list-style-type: none"> - Final Design 143.080.0 \$ - Environmental Impact Study 25.000.0 \$ - Property/Land 20.000.0 \$ - Total 188.000.0 \$ (€ 200,000.00) <p>Second Stage:</p> <ul style="list-style-type: none"> - Engineering and management 237,569.0 \$ - Infrastructure construction 2,861,630.0 \$ - Total 3,099,199.0 \$ <p>Final stage:</p> <p>Social promotion 15,400.0 \$</p> <p>Total Project (1st, 2nd and 3rd stages) 3,302,599.0 \$</p>
PROJECT SUSTAINABILITY	