



**CEDERI – MADIMBA**

**CENTRE DE DEVELOPPEMENT RURAL INTEGRE**

**PROJECT FOR THE SUPPLY OF  
CLEAN WATER FOR THE  
CEDERI-MADIMBA COMMUNITY  
CENTRE**

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## **INFORMATION ABOUT THE ORGANISATION**

### **NAME:**

Integrated Rural Development Centre (*Centre de Développement Rural Intégré*) 'CEDERI-Madimba' A.S.B.L./O.N.G.

### **ADDRESS:**

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### **LEGAL STATUS:**

Located in Madimba, 100km from Kinshasa, capital of the Democratic Republic of Congo, on National Road N° 1 (Kinshasa-Matadi), the Integrated Rural Development Centre (CEDERI-MADIMBA) is a non-profit association and a non-governmental organisation (NGO). It was created on 12 September 1990 and its bylaws were certified in 1995.

### **GENERAL AIM:**

The CEDERI aims to improve the socio-economic situation of the rural area with the active participation of the affected population who are the direct beneficiaries. It carries out activities in Madimba and Kasangulu territories in particular.

### **SPECIFIC GOALS:**

- To train and support rural communities in their activities;
- To promote family enterprises in grassroots rural communities;
- To promote health activities (preventative and curative medicine);
- To fight against poverty in the rural population;
- To fight against desertification and deforestation by reforestation and conservation activities in the community's forests.

## **AREAS OF ACTIVITY:**

CEDERI-Madimba intervenes in 5 areas, as follows:

- Training
- Agriculture livestock
- Health
- Environment
- Beekeeping

## **DIRECT BENEFICIARIES:**

CEDERI-Madimba's action is directed towards associations and households in the area's villages without discrimination of gender, age or religious belief, depending on the real needs felt and expressed by the beneficiaries.

## **PROJECT DESCRIPTION AND JUSTIFICATION**

The town of Madimba is located 100km from Kinshasa. It is the capital of Madimba Territory in the province of Central Congo and has a population of  $\pm 7,000$  inhabitants.

To relieve poverty in this town and its surrounding area, the NGO CEDERI set up a Health Centre with 30 beds including a men's ward, women's ward, a laboratory, consulting room, operating theatres, waiting room, pharmacy and maternity ward. The clinic activities include vaccination, care of malnourished children, pre-natal consultation, weighing of infants, basic healthcare and distribution of impregnated mosquito nets. This Centre applies the policies of the government as concerns basic health care and preventive, promotional and curative medicine. It was chosen by the state as the Kisantu Heath Zone's official Health Centre.

The Centre faces many difficulties due to a lack of water. The state company for water provision, the REGIDESCO, does not exist in Madimba.

However, water is vital for a medical structure, especially for the maternity ward and the sanitary installations in general. Patients, including women who have just given birth, have to walk long distances in order to get water, and cleanliness and hygiene in the Centre are ensured with difficulty in the absence of running water.

To rectify this situation, we have tried to install a rainwater catchment system with a 1,000-litre capacity tank. However, consumption is a lot higher than the amount of water collected, and two days without rain is enough for water to become scarce. During the dry season things are very challenging, especially for the new mothers.

Faced with these difficulties, we have decided to relieve the burden these women who walk long distances daily with heavy containers on their heads in order to get water. As a solution we would like to dig a well next to a waterway and bring water to the Health Centre and to the local population.

The work consists of digging a well, building columns and a pump to bring water to the Centre. Once completed, this project will have a rapid and long-lasting positive effect on the target population because the CEDERI Health Centre is the one most attended by the population of Madimba and its surroundings because it is integrated into the Kisantu Rural Health Zone.

### **GENERAL AIM**

- To bring drinking water to and improve sanitation for patients of the Health Centre and the surrounding area.
- To fight against poverty and relieve the hardship suffered by the target population by providing water in order to protect against water-borne diseases.

### **SPECIFIC GOALS**

- To improve living standards of the target population, and especially of women and their children.
- To make it easier for the target population to obtain water every day and in all seasons.
- To protect the beneficiary population against water-borne disease.
- To ensure hygiene at the Centre and in the patients' and new mothers' sanitary facilities.
- To protect the patients and new mothers against infections caused by lack of water.
- To dig a well for the provision of water to the Centre and the surrounding area.
- To lighten the work of women who have to walk long distances to get drinking water and other needs.
- To fulfil the Sustainable Development Goals in the area of water (Goal 6: Ensure availability and sustainable management of water and sanitation for all).

### **PROPOSED METHODOLOGY FOR REACHING THE GOALS (ACTIVITIES)**

The general aim will be reached by the NGO carrying out the following activities:

Activity 1 Inform the Community:

Set up a billboard on National Road n° 1 to inform people of the site of the project and the financing organisation.

Work with its civil engineering partner for the manufacture of a billboard.

Activity 2 Choice and layout of the site:

The site will be chosen in collaboration with hydrological partners in view of finding a site that will provide water all year round, even in the dry season.

Activity 3 Purchase of materials and equipment:

Technicians in every relevant field (plumbing, masonry and electrical) will be involved in the purchase of materials.

Activity 4 Digging the well:

The well will be round and dug on the site chosen by the hydrologist, not far from a waterway.

Activity 5 Masonry of the well:

For safety and hygiene, the well will be built of cement blocks and will have gravel in the bottom to allow the penetration of water and covered by a slab to protect it.

Activity 6 Pump installation:

Next to the well will be two pumps to pump the water to the Centre, housed in a cement block casing with a small door.

Activity 7 Connection:

The pump will be connected to the Centre's electricity, which was installed 13 September 2013 thanks to a grant from a Canadian foundation.

Activity 8 Monitoring and Evaluation:

This important activity will be carried out from the beginning of work, during and after the project with a view to its success and safety: the beneficiary population and the Centre's directors will oversee the proper working and maintenance of this project that is so important for the population.

A monitoring and evaluation mechanism will be put in place for maintenance, the follow-up and monitoring.

## **ASSOCIATED RISKS**

For this project, the potential risks are in 2 categories, as follows:

### **1. Internal risks**

<b>Internal risks</b>	<b>Mitigation measures</b>
<ul style="list-style-type: none"> <li>• Negligence on the part of the target population</li> <li>• Well dryness</li> <li>• Conflict in the management of this project</li> </ul>	<ul style="list-style-type: none"> <li>➤ Awareness-raising with the beneficiary population</li> <li>➤ Digging the well near to a watercourse.</li> <li>➤ Creation of a committee for conflict resolution and project management.</li> </ul>

### **2. External risks**

<b>External risks</b>	<b>Mitigation measures</b>
<ul style="list-style-type: none"> <li>• Currency devaluation</li> <li>• Disinterest of the target population</li> <li>• Bad economic behaviour of the beneficiaries around use of the facilities</li> </ul>	<ul style="list-style-type: none"> <li>➤ Timely withdrawal of the funds</li> <li>➤ Raising awareness and educating the beneficiary population</li> <li>➤ Organising educational sessions to correct and educate the population.</li> </ul>

## **LENGTH OF PROJECT EXECUTION**

The project execution will take 60 days.

## **USE OF THE MEDIA**

In this project, we intend to use the media to inform and train the population via local radio and television as well as the distribution of leaflets containing information about the importance of water for hygiene and about good economic behaviour around the use of the facilities.

**EXPECTED RESULTS****a) Short term**

- Set up billboard on National Road n°1;
- Choice and adaptation of project site;
- Acquisition of materials and equipment;
- Digging and construction of well;
- Installation of pumps next to the well.

**b) Medium term**

- The target population has access to drinking water;
- Living standards and quality of life are improved, especially for women;
- Poverty relief;
- Availability of water at all times.

**c) Long term**

- Living standards and quality of life are improved;
- The Health Centre and maternity ward facilities are maintained in a perfectly clean state;
- New mothers are spared having to walk long distances for water;
- The work of the nurses is made easier from a hygiene point of view;
- The target population is protected from water-borne diseases.

**PROJECT TIMELINE: EXECUTION AND EVALUATION CALENDAR**

<b>List of activities necessary for project execution, follow-up and evaluation</b>				<b>Length of activity</b>	
				<b>Month</b>	
<b>N°</b>	<b>Activity</b>	<b>Person responsible</b>	<b>Verifiable indicator</b>	<b>1st month</b>	<b>2nd month</b>
1	Establish bill board	<ul style="list-style-type: none"> <li>- 1 fitter</li> <li>- 1 painter</li> <li>- 1 NGO member.</li> </ul>	<ul style="list-style-type: none"> <li>- Hoarding set up on RN n° 1</li> <li>- Photo</li> <li>- Report.</li> </ul>	X	
2	Choice and adaptation of site	<ul style="list-style-type: none"> <li>- NGO Director</li> <li>- 2 NGO members</li> <li>- 3 community delegates</li> <li>- 1 hydraulic technician</li> </ul>	<ul style="list-style-type: none"> <li>- Photo,</li> <li>- Site chosen</li> <li>- Administrative report</li> </ul>	X	
3	Purchase of materials and equipment	<ul style="list-style-type: none"> <li>- 2 NGO staff</li> <li>- 1 plumber</li> <li>- 1 electrician</li> </ul>	<ul style="list-style-type: none"> <li>- Materials and equipment purchased as planned</li> <li>- Receipts</li> <li>- Photos</li> <li>- Report</li> </ul>	X	
4	Well digging	<ul style="list-style-type: none"> <li>- 1 technician</li> <li>- 1 plumber</li> <li>- 6 labourers</li> </ul>	<ul style="list-style-type: none"> <li>- Existence of well</li> <li>- Photo</li> <li>- Receipts</li> <li>- Rapport</li> </ul>	X	
5	Well construction	<ul style="list-style-type: none"> <li>- 2 maçons</li> <li>- 1 ferrailleur</li> <li>- 1 aide-maçon</li> <li>- 1 contre-mètre</li> </ul>	<ul style="list-style-type: none"> <li>- Existence of well</li> <li>- Photo,</li> <li>- Receipts</li> <li>- Report</li> </ul>	X	
6	Pump installation	<ul style="list-style-type: none"> <li>- 1 technician</li> <li>- 1 plumber</li> <li>- 1 NGO staff</li> </ul>	<ul style="list-style-type: none"> <li>- Receipt of purchase</li> <li>- Photo</li> <li>- Existence of pumps</li> </ul>		X
7	Connection	<ul style="list-style-type: none"> <li>- 1 electrician</li> <li>- 1 plumber</li> <li>- 1 NGO member</li> </ul>	<ul style="list-style-type: none"> <li>- Photo</li> <li>- Report</li> </ul>		X
8	Monitoring and evaluation	<ul style="list-style-type: none"> <li>- 1 Project coordinator</li> <li>- 1 evaluator</li> <li>- 1 consultant</li> <li>- 1 community representative</li> </ul>	<ul style="list-style-type: none"> <li>- Administrative report</li> </ul>	X	X



List of activities necessary for project execution, follow-up and evaluation				Length of activity	
N°	Activity	Person responsible	Verifiable indicator	1 <sup>st</sup> month	2 <sup>nd</sup> month
9	Media and leafleting	<ul style="list-style-type: none"> <li>– NGO Director</li> <li>– 1 project facilitator</li> <li>– Journalists</li> </ul>	<ul style="list-style-type: none"> <li>– Administrative report</li> <li>– Presence of leaflets</li> <li>– Copies of messages et communications, CDs, cassettes</li> </ul>		X

## **COST ESTIMATE**

### **A. Project Costs**

1. Installation and connection	: \$ 14,706.00
2. Masonry: well, columns and pump	: \$ 4,840.00
3. Electricity connection	: \$ 1,870.00
4. Preparation, labour and services hook up,	: \$ 3,615.00
5. Magement and adminstration	: \$ 3,750.00
<b>Total project cost</b>	<b>: \$ 28,781.00</b>

### **B Funding obtained**

1. Local contribution	: \$ 3,615.00
2. Foundation grant	: \$ 10,000.00
<b>Total</b>	<b>: \$ 13,615.00</b>

**TOTAL FUNDING REQUEST : \$ 15,166.00**

**Germaine VULAMA**

Nurse-Head of the Maternity  
Ward

For CEDERI MADIMBA



**Ferdinand BISALU MVUAMA**

Executive Director