



Faire don de soi au monde



**DRINKING
WATER PROJECT**

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Introduction

Halving, by 2015, the percentage of the population without sustainable access to safe drinking water was a problem that appeared in the heart of the Millennium Development Goals commitment. This commitment is found through the objective n° 7.



But we must recognize that only 55% percent of the world population has a drinking water directly at home. In 2011, 768 million people did not have access to improved water sources and 185 million people were using surface water for their daily needs.

Indeed, people are insufficiently supplied with drinking water worldwide. Access to clean water still represents a real challenge for humanity and one of the major challenges of this century. Yet, enormous efforts have been made by governments and development partners to secure access to water of sufficient quality and quantity in the world in general and Africa in particular.

In Ivory Coast, the National Office of Drinking Water (ONEP) was established in 2006 by the Ministry of Economic infrastructures. Through this structure, the State wants to ensure a certain responsiveness, technical skills, a coverage capacity of national territory and ensure the autonomy of financial resources.

However, the consequences of the political-military crisis and other structural factors unfortunately do not allow to achieve the goal of Ivory Coast to halve by 2015 the proportion of people who do not have access to drinking water and sanitation. In order to achieve this objective, the overall coverage rate is expected to increase between 2008 and 2015 from 61% to 82% for drinking water. Meanwhile, the water-related diseases continue to make huge casualties among the population and especially among women and children.

Only then do we see the relevance of the action initiated in Haut Sassandra and Gontougo region by the Rotary Club of Abidjan Biétry in partnership with ONEP. It aims to accelerate the pace of



implementation of hydraulic structures, but also to set up water points improved management systems more efficient and sustainable.

1. Why drinking water project?

Drinking water is vital to the health and affects various sectors such as education, social conditions and especially the lives of women and children.

Unfortunately in many places of the world, women and children walk for miles to get access to the nearest river whose water is often unfit for human consumption. As a result, many children die every year in poor countries lack of drinking water. These deaths represent a loss for the world and for all mankind. Many families lack adequate infrastructure have resigned themselves to consume unsafe water and a source of disease. This is the daily reality for nearly a billion people.

But what's about the situation in Côte d'Ivoire?

In Côte d'Ivoire, the National Office of Drinking Water (ONEP) estimated that over 48% of the rural population use water from traditional wells and creeks for their daily consumption needs. They are therefore exposed to significant health risks. The main water-related diseases are: anemia, diarrhea, typhoid, hepatitis, infection with the Guinea worm, etc. These represent 80% of diseases and are one of the leading causes of child mortality.

What is the situation of hydraulic structures in village water works in Haut Sassandra AND Gontougo area?

- In Haut Sassandra

The number of works equipped with Human Operating Pumps (HOP) operating in top Sassandra is **882 to 1748** estimated requirements, which is a rate of **50.5%** to cover.

The table below summarizes the status of village water works in that region.

1st Table: works equipped with PMH

N°	DESIGNATION	WORKS HV
01	NUMBER OF PUMPS IN SERVICE	882
02	ESTIMATED REQUIREMENTS	1748
03	GAP TO COVER	864
04	% TO COVER	50,5%

- In Gontougo

The number of works equipped with Human Operating Pumps (HOP) operating in Gontougo is **967** to **1212** estimated requirements, which is a rate of **20%** to cover.

The table below summarizes the status of village water works in that region.

2nd Table: works equipped with PMH

N°	DESIGNATION	OUVRAGES HV
01	NUMBER OF PUMPS IN SERVICE	967
02	ESTIMATED REQUIREMENTS	1212
03	GAP TO COVER	245
04	% TO COVER	20%

This context denotes the low consideration of the issue of access to drinking water in the policy against poverty.

The Rotary Club of Abidjan Bietry as part of a long-acting as recommended by the PLC (Club Leadership Plan) and the strategic axes Rotary chose to make its hobbyhorse, provision of potable water to populations of Haut Sassandra and Gontougo. Drinking Water Project of the Rotary Club of Abidjan Bietry is divided into three parts:

- New drillings with PMH ;
- Supply and installation of new PMH well drilled;
- Social actions.

Thus installation of large-scale projects over the long term allows the club to impact the environment more sustainable and develop its own personality.

2. Who will be the recipients?

The checklist sub-prefecture of the recipients of 20 drillings equipped with PMH is recorded in the table below.

3rd Table: List of direct recipients in Haut Sassandra

DEPARTMENT	SUB/PREFECTURE	LOCALITIES	POPULATION
DALOA	DALOA	EPP ABOULAYE CARREFOUR LOUKOUKRO	100
VAVOUA	VAVOUA	DEMA 2	400
ISSIA	ISSIA	BRIGADIER NGUESSANKRO	100
		PEMEN KOUAMEKRO	766
	NAMANE	KANDOKRO	300
		CPT DOUMOUKRO	420
		TOLAKRO	500
		BEDJENIKRO	500
		AKLOMIOMBLA (VERS DIASSA)	2000
		KOTA KOUAKOUKRO	650
TOTAL		10	5736

4th Table: List of direct recipients in Gontougo

DEPARTMENT	SUB/PREFECTURE	LOCALITIES	POPULATION
BONDOUKOU	LAOUDI BA	DANAMERE	300
	YEZIMALA	SANAGA	668
	BONDO	KPANAGO	610
	TABAGNE	AMOUATENIN	1200
		IGUELA nouveau village	250
	YEZIMALA	GANKRO	2214
KOUN FAO	KOUN FAO	WOROKRO	220
SANDEGUE	SANDEGUE	AWAHIKRO	2907
TANDA	TANDA	ASSAFO	400
TRANSUA	KOUASSI ANANGUINI	ASSUAKO	2069
TOTAL		10	10838

3. What's our target ?

a-General Objective

The objective of the project is to increase the pace of implementation of hydraulic structures, but also set up improved water management systems more efficient and sustainable.

b- Specific Objectives

- 20 Drillings equipped with PMH.
- Supply and installation of new PMH drilled well
- Raising awareness of the population on favourable behaviour to the sustainability of facilities and involve them in the management process.

4. Medium term results

The importance of access to water and sanitation is among the strategic priorities of Rotary International and is involved in the emergence of a world.

Filling a little bit deficiencies of the Ivorian hydraulic system as the Rotary Club of Abidjan Biétry understood in terms of this action lead to the following results:

- Building 20 drillings ;
- Providing and install 20 PMH designed to fit the 20 new boreholes to be drilled as part of this project;
- Providing access to safe drinking water to people in Haut Sassandra and Gontougo Region;
- Raising awareness among beneficiaries and ownership of infrastructure that will be made available at the end of the project;
- Training 20 Village Committees for monitoring the operation and management of the works (in the context of the feminization);
- Apply the Information, Education and Communication system (IEC) on the project for a sustainable change in behaviour;
- Supervising the work during and after (post-project) recipients to consolidate the system implemented for a sustainable actions.

5. Implementation of strategies

THe provisional works include shutters or action recorded in the table below.

5th Table : Provisional works

DESIGNATION		Quantity by catégorie
1	GEOPHYSICAL LOCATION (SITES)	27
2	DRILLING 30 NEW BOREHOLES	27
3	PROVIDING AND INSTALLATION OF 20 PMH	20
4	SOCIAL ENGAGEMENT (Awareness, training of 20 management committees)	20

6. Drinking water technical execution plan

a- Activities and durations

The project will run over a period of 6 months, according to the provisional schedule in the table below.

6th Table: provisional Planning

ACTIVITIES	MONTHS					
	1	2	3	4	5	6
DAO and selection of contractors and supplies						
Awareness and Animation						
Works and supplies						
Control of works						
Monitoring and supervising						
Provisional acceptance of the work						
Final report						

b- The division of tasks between project actors and their roles

Funding of the program will be provided by the Rotary Club of Abidjan Biétry. Project management will be provided by the Ministry of Economic Infrastructure and Managing Project management will be provided by ONEP. Project management will be provided by DTH of the area. This implementation will require the intervention of other actors including contractors.

7th Table: division of tasks and roles

N°	FUNCTIONS / ACTIVITIES TO BE CARRIED	RESPONSIBLES	COMMENTS
1	MANAGEMENT PROJECT DELEGATE		
	SELECTION OF RECIPIENTS	ONEP/ROTARY CLUB ABIDJAN BIETRY	CONTRACTOR /PROJECT MANAGER
	SUPERVISION		
	EVALUATION		
	PLANNING OF DAO		
	COMPANIES SELECTION		
	SOCIAL MOBILISATION		
2	RECIPIENTS		
	MEMBERS OF THE PROJECT	VILLAGE POPULATIONS	RECIPIENTS
	APPROPRIATION		
3	WORK MANAGEMENT		
	CONTROL AND MONITORING OF WORK	DTH	
4	EXECUTION OF WORKS		
	LOCATION OF SITES	DRILLINGS COMPANIES	OPEN TENDER
	DRILLING OF 27 BOREHOLES		
	PROVIDING AND INSTALLATION OF 20 HUMAN OPERATED PUMPS	PROVIDER OF PUMPS	OPEN TENDER

7. Overall Budget of the project

8thTableau : Budget

COMPONENTS	U	QUANTITIES	UP (FCFA)	TOTAL (FCFA)
INSTALLATION OF CONSTRUCTION SITE	U	20	100 000	2 000 000
REALIZATION OF DRILLINGS				
Settin-up geophysics	U	30	600 000	18 000 000
Fruitful drilling	U	5	1 750 000	8 750 000
Fruitless drilling	U	20	4 400 000	88 000 000
PROVIDING AND INSTALLATION OF SUPERSTRUCTURAL PUMPS	U	20	1 350 000	27 000 000
CIVIL ENGINEERING AROUND THE DRILLING	U	20	250 000	5 000 000
TRAINING OF AN AGENT IN THE MAINTENANCE AND IN FOLLOW-UP	U	20	150 000	3 000 000
OVERAL TOTAL			171 985 000 FCFA	

To ensure the success of the actions, efficient organization for local control and central supervision will be implemented by ONEP. This organization will be managed locally by the Territorial Director of Water (DTH) covering the project area and at the central level by the village water service of ONEP.



Conclusion

Considering the socio-economic and health consequences related to the use of unsafe water, this project led by the Rotary Club of Abidjan Biétry in partnership with ONEP is very beneficial for more than one reason.

First of all, this project is in line with the guidelines contained in the Club Leadership Plan of Rotary Club of Abidjan Biétry. It also adheres to the theme of the mandate 2015-16 in which Rotary invites to be a gift to the world. It offers an opportunity of Action in an approach that meets the concerns of the poor. Because development efforts in poor countries could be vain without a deep and global commitment to improve access to drinking water.

Then, it can promote accelerating economic growth, sustainable development, better health, and reduction of poverty. Indeed, we live on a planet where water plays a decisive role. It is essential to the life of all living beings that inhabit. But 0.3% of global water reserves are used as drinking water.

In addition, water is a strategic factor for the establishment and maintenance of peace in the world. Many conflicts between countries due to control of water resources. Peace and security also involves the promotion of actions brought by groups of men and women volunteers to help their fellow man. This is a challenge of the Rotary Club of Abidjan Biétry.

Therefore, the efforts of the Rotary Club of Abidjan Biétry through this project must inevitably be supported and expanded in order to make access to clean water a right for all people living in Cote d'Ivoire.



Annex

The document that is used to support the preparation of this project comes from the National Office of Drinking Water (ONEP)

http://www.gouv.ci/eaupotable_1.php

Rotary Project: source National Office of Drinking Water



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