

# MALIWATCH CLEAN WATER INITIATIVE FOR MALI REFUGEES & DISPLACED POPULATION

August 2012

## Summary

Maliwatch is highly concerned by the social and economic impact of the humanitarian crisis that Mali has encountered since January 2012. This volatile situation has been particularly detrimental to the northern regions as more than 300,000 individuals have fled their homes to find refuge in other areas of Mali and several neighboring countries including Mauritania, Algeria, Burkina Faso, Niger and Senegal. Many refugee camps are located in the Sahel region and offer very scarce access to safe drink water and sanitary systems. Too often, the source of water available for consumption is highly turbid and contaminated by harmful substances such as pathogens, suspended solids and heavy metals.

The goal of this initiative is to provide sustainable supply of safe drinking water access to thousands of refugees displaced in the region of **Mopti** (Mali's 3<sup>rd</sup> largest city Mali) and Sahelian provinces of Soum and Oudalan in **Burkina Faso**. Our organization will leverage its expert network to install affordable clean water treatment stations by involving the local engineering schools, community leaders, government representatives and humanitarian groups experienced in disaster relief missions.

We aim to deliver safe drinking water that is compliant with World Health Organization standards. This water will cost no more than 0.1 USD per liter (about 50 FCFA per liter in local currency) and Maliwatch will pay for it.

To kick start this effort we need to raise at least 30,000 USD to supply clean water in the city of Mopti (Mali) and an extra 50,000 USD for the project in Burkina Faso. We anticipate spending six months on each project.

## Water quality and cost

Water compliant with WHO standards (50 to 100 FCFA for 20 liters of water)

Water enriched with sugar and electrolytes (2 USD for 20 liters or 1000 FCFA for 20 liters)

## Update

Maliwatch will add regular postings to its website to keep donors abreast of the ongoing progress.

## Timeline for project completion

6 Months – Task in Mopti (Mali) will be carried out first – starting in fall 2012

6 Months - Task in Burkina Faso will start at a later date phase – targeted date: 1<sup>st</sup> quarter 2013

## Breakdown of program cost (estimate)

	\$ Cost Mopti	\$ cost Burkina Faso	\$ Total cost
<b>MF /UF pilot - filtration (200 m<sup>3</sup> per day)</b>	-		-
MF/UF accessories Power gen+Cl2 pump+ submerged pump	10,000		10,000
Aria Pure (or AX2)		20,000	20,000
<b>*F.O water purification tank (1 m<sup>3</sup> per day, enriched water)</b>	10,000	10,000	20,000
Transportation/customs	5,000	10,000	15,000
Maintenance & Training	5,000	10,000	20,000
Total	30,000	50,000	<b>80,000</b>

\* F.O: Forward Osmosis (water purification & desalination process)

\*\*Total cost estimate is \$80, 000 US dollars)

## Refugees and population displaced inside Mali: latest UNHCR facts

According to the United Nation High Commission for Refugees nearly 200,000 Malians have found refuge in Mauritania (90,000), Burkina Faso (65,000) and Niger (45,000) (Report, July 4<sup>th</sup>, 2012). Additionally, nearly 150,000 men, women and children are displaced inside Mali:  
<http://www.scribd.com/doc/99598473/Mali-Situation-Update-n7-4jul12>

## Presence of the International Committee of the Red Cross in Burkina Faso



Neat rows of buckets await distribution to 2,400 refugees at Gandafabou camp in the Sahelian province of Oudalan, Burkina Faso.

Photo taken from ICRC website:

<http://www.icrc.org/eng/resources/documents/photo-gallery/2012/burkina-faso-photo-gallery-2012-04-12.htm>