



HELPING HAND
FOR RELIEF AND DEVELOPMENT



WFL-WASH PROJECTS

NOTE 1: Donation levels are subject to change - Donors giving at following levels given with descriptions of the projects, will get dedicated project(s), where they can have plaque placed

in their family name, or loved ones' name, or any other appropriate suggested name - Any donations less than these following amounts will go into general water projects fund

NOTE 2: Water projects are best form of Sadaqa Jariah, since we all know that “No Water: No Life” - Zakat does not apply generally on water projects, but water projects are Zakat Eligible for communities that are calamity stricken (like drought, floods, earthquakes, refugees, etc.)

NOTE 3: Prices fluctuate year to year & inside any of the countries; and can vary from country to country: Reasons are different economic situation; inflation; ease or difficulty of accessibility of transporting construction material to project sites; contracting & labor costs; dollar conversion rates; soil & land conditions; etc

Following is description of different types of Water For Life (WFL), & Water And Sanitation Hygiene (WASH) projects being done by HHRD in various countries:

AFFREDIV PUMP



Boring of 80 feet to up to 200 feet, water pumped out manually using special Affrediv Hand Pump. Life of project is 3+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Countries for this Project:

- Afghanistan
(Donation Level = \$3,500)
- Pakistan
(Donation Level = \$1,000)

SHALLOW WELL AFFREDIV PUMP



Boring up to 50 feet to up to 100 feet, and water pumped using special Affrediv Hand Pump. Life of project is 5+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Countries for this Project:

- Tanzania
- Uganda
- Somalia
- Kenya

(Donation Levels = \$5,000)

MEGA BORE HOLE PROJECT



Boreholes have been an alternative source of water in areas, where there is no ready supply of fresh water. A borehole is a narrow shaft bored in the ground, either vertically or horizontally. A borehole may be constructed for many different purposes, including the extraction of water. Life of project is 10+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Kenya
(Donation Levels = \$132,000)

WATER PURIFICATION PLANT



(Note: This is not the actual HHRD project:
Actual HHRD projects will be done towards the end of 2020)

A treatment plant refers to an installation that is used to purify contaminated substances. These substances may be solid, liquid and semi-solids. Serves large population of 10,000+ persons on daily basis. Life of project is 10+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Kenya
(Donation Levels = \$185,000)

DEEP TUBE WELL WITH HAND PUMP



Dig underground around 800 feet to fetch water, which is taken out using hand pump. Life of project is 3+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Bangladesh other than Rohingya Refugees Camps
(Donation Levels = \$1,600)

DEEP WELL WITH HAND PUMP



Dig deep underground around 1,000 feet to fetch water, which is taken out using hand pump. Life of project is 3+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Rohingya Refugees Camps in Bangladesh
(Donation Level = \$2,300)

MEGA TUBE-WELL WITH WATER TANK & ABLUTION PLATFORM



(Note: This is not the actual HHRD project:
Actual HHRD projects will be done towards the end of 2020)

1,000 feet underground, generator powered submersible pump brings water into a tank, and an ablution platform is created with several taps (running cost of one year is included). Life of project is 8+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Rohingya Refugees Camps in Bangladesh
(Donation Level = \$17,000)

WATER TANK



Boring underground 100+ feet to get water, which is pumped into water tank to be used through taps. Life of project is 3+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Countries for this Project:

- Cambodia
(Donation Level = \$1,800)
- Indonesia
(Donation Level = \$2,500)

CLEAN WATER SUPPLY



Clean water trucks provided every 15 days for 4 Syrian refugee families/year

Country for this Project:

- Jordan
(Donation Level = \$3,000)

HOME WATER FILTRATION SYSTEM



(Note: This is not the actual HHRD project:
Actual HHRD projects will be done towards the end of 2020)

Home Filtration System with one extra filter provides clean water for 5 Palestinian refugee families. Life of project is 3+ years; & with some maintenance, life of the project is further enhanced on periodic basis.

Country for this Project:

- Jordan
(Donation Level = \$1,750)

BIO-SAND FILTRATION + AERATION WITH COMMUNITY HAND PUMP



Installing a simple traditional hand pump for the provision of raw water. Keeping in view the ground situation, Bio Sand Filtration is added, an open aeration & electrical pump makes it a productive project. Filters water from turbidity (sand, silt, & clay); color; taste; and smell; providing 500 liters/hour.

Country for this Project:

- Nepal
(Donation Level = \$1,300)

DRINKING WATER TREATMENT PLANT



Similar project as the Bio Sand Filtration & Open Aeration, but infectious microorganism are killed from water using ultraviolet rays. It can provide 1,000 liters/hour.

Country for this Project:

- Nepal
(Donation Level = \$6,000)

SOLAR BASED DRINKING WATER SOLUTION (SBDWS)



Installation of smaller size submersible pump, which is solar powered to lift water into a 500 liters water storage tank. Water for drinking and other use is taken via taps installed on two sides of the project.

Digging Range: 80-120 feet

Life Span: 5-10 years

Country for this Project:

- Pakistan
(Donation Level = \$1,300)

SUBMERSIBLE WATER PUMP WITH BRICK MASONRY WATER STORAGE TANK



Submersible Water Pump operates beneath the earth's surface, pushing water to the surface. Most submersible pumps are long cylinders that are about 3 inches' diameter and 2 to 4 feet long. Water is transported using cable into a reinforced concrete storage tank.

Digging Range: 150-400 feet

Life Span: 5-10 years

Country for this Project:

- Pakistan
(Donation Level = \$3,300)

WATER SUPPLY (GRAVITY FLOW) SCHEME



The distribution of water is always troublesome in hilly and remote areas. To remedy the situation a reservoir of water is created mechanically and stored at a place, where it could be easily distributed to the required population. The scheme also involves development of new water resources, so that demand could be met along seamless provision lines.

Life Span: 25-30 years

Country for this Project:

- Pakistan and Azad Jammu & Kashmir
(Donation Level = \$3,800)

TUBE WELL



(Note: This is not the actual HHRD project:
Actual HHRD projects will be done towards the end of 2020)

A tube well is a type of water well in which a long 6 to 18 inches wide stainless steel tube or pipe is bored into an underground aquifer. The required depth on the water table. A small reservoir of water is made at the outlet of the tube well. This reservoir is used for different usage of water by the local population.

Digging Range: 500 – 1,000 Feet

Life Span: 10-25 years

Country for this Project:

- Pakistan
(Donation Level = \$13,000)

WATER FILTRATION PLANT (ULTRA-FILTRATION)



Ultra-Filtration to purify water is the process of removing undesirable chemicals, biological contaminants, suspended solids, and gases from contaminated water (it cannot remove salinity). Goal is to produce water fit for drinking purpose. Water purification plants are the source of providing pure, safe, and healthy drinking water to people.

Life Span: Depends on daily usage and population

Country for this Project:

- Pakistan
(Donation Level = \$14,000)

WATER FILTRATION PLANT (REVERSE OSMOSIS)



Reverse Osmosis process is employed to clean from all undesirable things, including “Salinity” and high TDS levels. Goal is to produce water fit for drinking purpose. Water purification plants are the source of providing pure, safe, and healthy drinking water to people.

Life Span: Depends on daily usage and population

Country for this Project:

- Pakistan
(Donation Level = \$22,000)

SCHOOL & PUBLIC WASHROOMS WITH HAND WASHING BASIN

“WASH in Schools & Public Areas” aims to improve access to clean water with sanitation facilities, & promote lifelong health for young ones’ in schools

through hygiene promotion; rebuilding of infrastructure; and providing friendly environment for all, especially school going children.



Life Span: 10-15 years

Countries for this Project:

- Bangladesh Washroom (Toilet w/Shower Facility) = \$2,000
- Rohingya Refugee Camps in Bangladesh Washroom (2 Units with Water Supply) = \$5,200
- Cambodia Washroom (2 units) = \$1,500
- Jordan (Syrian Refugees) Washrooms in Deserts with Shower (1 unit) Cost = \$2,000
- Kenya, Somalia, Uganda, & Tanzania School & Public Washrooms (5 units side by side) with Hand Washing Basin = \$9,000
- Pakistan School & Public Washrooms (2 units) with Hand Washing Basin = \$13,000