WATER FOR LIFE

Celebrating A DECADE OF SERVICE

WATER AND SANITATION HYGIENE
Aspiration Behind Starting of HHRD: September 2005

And We have not sent you [Muhammad] but as a Mercy to the Worlds...
(Quran 21:107)
Vision Statement of HHRD

Helping Hand for Relief And Development (HHRD) as a Leader, empowering lives, creating opportunities, and strengthening the bond of humanity.
HHRD : Credible Standing

By the GRACE of GOD

Six Years in a Row Top ★ ★ ★ ★ Charity Navigator

BBB Accredited Charity

HHRD Member of Prestigious InterAction: Alliance of 180+ NGOs in Washington, D. C.
HHRD Registered as NGO

- Pakistan (2005)
- Haiti (2010)
- Kenya (2011)
- Somalia (2011)
- Jordan (2013)
- Philippines (2014)
- Afghanistan (2014)
- Mexico (2014)
- Uganda (2014)
- Tanzania (2015)
- South Africa (2016)
- Kosovo (2016)
- Nepal (2017)
- Myanmar (Expected Soon)
- Macedonia (Expected Soon)
HHRD Partners

- Albania
- Bangladesh
- Bosnia and Herzegovina
- Brazil
- Burma (Myanmar)
- Burundi
- Cambodia
- Central African Republic
- Chad
- DJibouti
- Dominican Republic
- Ethiopia
- Ghana
- Guyana
- India
- Indonesia
- Japan
- Kashmir Valley
HHRD Partners

- Lebanon
- Macedonia
- Malawi
- Mali
- Montenegro
- Rwanda
- Sierra Leone
- South Sudan
- Sri Lanka
- Sudan (Darfur)
- Thailand
- Tunisia
- Vietnam
HHRD Programs

- Emergency Relief
- Water For Life (WFL) & Water And Sanitation Hygiene (WASH)
- Comprehensive Physical Rehabilitation
- Health Care
- Education Support
- Infrastructure Development
- Public Advocacy & Social Justice
- Seasonal
  (Zabiha / Qurbani / Iftar / Fitra / Eid Gifts / Winter Provisions)
HHRD Programs

- Matching Gift
- Orphans Support
- Children with Disabilities
- In-Kind Gifts
- Skills Development
- Islamic Esaar Micro-Finance
- Youth Empowerment
- Summer Internship
- Youth for Haiti & Jordan
Understanding of the Program and Annual Review 2016 & Plan for 2017

...improving lives through the provision of safe and clean water
“……and if any one saved a life, it would be as if he saved the life of the whole mankind…(Surah AL-Maidah 005 – Aayah 32)
Prophet Muhammad (SAWS) said,

“The Best Charity is to Provide Water...”
(Ibne Majah - - - Hasan)
Prophet Muhammad (SAWS) said, “Cleanliness is Half the Faith…” (Ibne Majah - - - Hasan)
Scope: Millennium Goals for 2016

Lack of safe drinking water is a GLOBAL ISSUE. 1.1 billion+ people (1 in 6 people) i.e. 840,000 Annually Die because of Water-Borne Diseases. About 3 billion+ people lack Sanitation.

GOAL: Decrease the proportion of the population without sustainable access to safe drinking water and basic sanitation.
GOAL: Ensure availability and sustainable management of water and sanitation for all...
Scope & Issues

- There is a lack of safe water & proper sanitation in rural dwellers and around the developing world.
- Poor are particularly vulnerable to chronic illnesses due to few medical resources which hinders their productivity and makes poverty eradication more difficult.
- Millions of women & children in developing countries travel daily for several hours to get access to water which is polluted.
Objectives of Water and Sanitation Hygiene (WASH)

- Strive & discover sources of water where there is a shortage or absence of water
- Improve access to clean drinking water
- Prevent water borne diseases
- Create awareness about proper sanitation and hygiene practices, including distribution of basic hygiene products
- Construct proper sanitation amenities
improving lives through the provision of safe and clean water

Locations where HHRD Serves with Water Projects: Tanzania, Uganda, Kenya, Somalia, Afghanistan, and Pakistan
OVERVIEW
2011-2016
## NUMBER OF SHALLOW WELLS in AFRICA (2011-2016)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>KENYA</td>
<td>15</td>
<td>5</td>
<td>8</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>SOMALIA</td>
<td>4</td>
<td>2</td>
<td>4</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>UGANDA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>7</td>
<td>10</td>
</tr>
<tr>
<td>TANZANIA</td>
<td>8</td>
<td>2</td>
<td>-</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>TOTAL</td>
<td>27</td>
<td>09</td>
<td>12</td>
<td>34</td>
<td>40</td>
</tr>
</tbody>
</table>

Grand Total 122
No. of Shallow wells VS No. Beneficiaries

No. of Shallow well

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of Shallow wells</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>27</td>
</tr>
<tr>
<td>2013</td>
<td>9</td>
</tr>
<tr>
<td>2014</td>
<td>12</td>
</tr>
<tr>
<td>2015</td>
<td>34</td>
</tr>
<tr>
<td>2016</td>
<td>40</td>
</tr>
</tbody>
</table>

No. of Beneficiaries

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of Beneficiaries</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>25,620</td>
</tr>
<tr>
<td>2013</td>
<td>9,662</td>
</tr>
<tr>
<td>2014</td>
<td>7,170</td>
</tr>
<tr>
<td>2015</td>
<td>31,508</td>
</tr>
<tr>
<td>2016</td>
<td>50,000</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>COUNTRY</td>
<td>PAKISTAN</td>
</tr>
<tr>
<td>Grand Total</td>
<td></td>
</tr>
</tbody>
</table>
No. of Shallow wells vs No. of Beneficiaries

- **No. of Shallow wells**
  - 2011: 361
  - 2012: 145
  - 2013: 180
  - 2014: 235
  - 2015: 206
  - 2016: 214

- **No. of Beneficiaries**
  - 2011: 50,360
  - 2012: 42,530
  - 2013: 141,800
  - 2014: 30,900
  - 2015: 173,833
  - 2016: 130,000
<table>
<thead>
<tr>
<th>COUNTRY</th>
<th>2015</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFGHANISTAN</td>
<td>01</td>
<td>20</td>
</tr>
<tr>
<td>Grand Total</td>
<td>21</td>
<td></td>
</tr>
</tbody>
</table>
Components of HHRD WFL and WASH PROGRAMS

WFL & Water And Sanitation Hygiene Program

- Wells Program
- Water Pumps Program
- Water Purification Systems
- Emergency Relief Program
- WASH Program
Water Treatment through Reverse Osmosis (ROs) and Ultra Filtration Plants (UFs)

Hand Pumps (Affridev: Pakistan and Afghanistan)

Submersible Pump with Water Storage Tanks

Dug Well Project with a Pulley

Shallow Wells with Affridev Pumps in Africa

Drinking Water Supply Schemes (DWSS)
PAKISTAN AND AFGHANISTAN: PROCESS

Step 1: Base Line Survey
Step 2: Electrical Resistivity Survey (ERS)
Step 3: Need Assessment
Step 4: Planning and Adoption
Step 5: Execution
Step 6: Monitoring & Evaluation
Step 7: Water Quality Test
Step 8: Project Hand Over

Social Mobilization from start to end ......

HHRD WFL IMPLEMENTATION STRATEGY
Baseline Survey and Need Assessment
Identification of Locations
Proposal Development and Approvals
Social Mobilization & Formation of Community Organizations
Environmental Impact Assessment (EIA) Report and License from Local Authorities
Hiring of Contractors
Digging and Excavation of Shallow Wells
Procurement of Material
Installation of Pumps and Electric Motor, Completion of All Construction
Water Quality Testing and Treatment where It is Necessary
Monitoring and Evaluation
Inaugurations and Handing Over to the Community
Project Completion Report to the Patrons…
Step 1 (Photos from Pakistan and Africa)

Base Line Survey

HHRD-team gets initial data regarding water related issues. Team gets survey in the targeted areas through participant observation.

Inquiring from community members, Govt. line departments and residents of the areas.
Step 2 (Photos from Pakistan and Africa)

Need Assessment

On preliminary basis, project team assesses water need of the area.

While, considering the viewpoints and water-related issues, HHRD-WFL Program observes the vulnerability of the local community and recommends the solutions.
Before the construction/civil work of the project Electrical Resistivity Survey are supposed be successfully done.

In the outcome of this survey, water quality, ground water availability and depth is to be measured. HHRD team shares this ERS report for approval to the Head Office, before digging/civil work of project.
If local water resources are available, HHRD adopts & try to use these resource. At this phase project specifications, comparisons and timelines are supposed be defined by the project implementing agency.

HHRD team improves the access to water for everyone, by adoption of local available water resources. While, local drinking water resource are rarely available.
Selection of IP/Hiring of contractor is to be done before project execution. Implementation team visits the project site, initiate the work with active participation of community & tries to complete the project within defined timelines.

HHRD addresses the problems of water scarcity, propose solutions and launches the projects to provide water in the severely affected areas of Pakistan.
Step 6 (Photos from Pakistan)

Monitoring and Evaluation (M&E)

Either self-implementing project or project is done in coordination with IP. Its overall monitoring, evaluation & critical analysis is to be done by HHRD-M&E team.

Purpose of monitoring is to determine if the outputs, deliveries and schedules planned have been reached so that action can be taken to correct the deficiencies as quickly as possible.
Step 7 (Photos from Pakistan)

Water Quality Test

It is very crucial to analyze pre-post water quality tests for successful drinking water project implementation. A Pre water quality test determines chemical content in ground water. However, post water quality test is used to measure the quality of treated/filtered water.

Naturally available water comes in contact with various salts. Soil strata’s encompasses large quantity of chemicals including; Calcium, Magnesium, Iron, sulphate, Nitrates, Phosphates and Oxygen. Water quality can no longer be taken for granted. There are many variables that come into play. HHRD doing these test from well recognize labs/institutes of Pakistan.
At this step marble plaques are affixed on the completed water projects, where the organization logo, location name, and the name of the donor are shown for beneficiaries' to make Dua for them...
Step 8 (Photos from Africa and Pakistan)

Fixing Marble Plaques and Handing Over the Project to the Community

At this step HHRD-team demonstrate the water project physically and handed over to the community, after a successful completion.

“We will always pray for Donors of HHRD and its: May ALLAH give you reward for this kind act…” WFL’s Beneficiary, Mehboob, District Tharparkar
Social Mobilization from very beginning to completion of project, HHRD insure the active participation of community in every step of project cycle.

Overall Project Reporting to head office monthly, quarterly and annual basis: Donors received few projects on-going photos, and then the completion reports...
Pictorial
Wash and Hygiene (an Orphan washing his face)
Pictorial
Wash and Hygiene (an orphan child washing his hands properly)
Pictorial

Wash and Hygiene  (an orphan brushing his teeth)
Pictorial

Water Supply Through Fire Engine During Thar Drought
Pictorial

Water Supply Through Trucks in Africa
## What and Where in Pakistan

<table>
<thead>
<tr>
<th>Various Water Projects</th>
<th>Beneficiaries</th>
<th>Districts Covered</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Community Hand Pumps in AJ&amp;K, Balochistan, and KPK</td>
<td>100</td>
<td>20,000</td>
<td>3</td>
</tr>
<tr>
<td>Water Wells in Balochistan and KPK</td>
<td>50</td>
<td>16,250</td>
<td>2</td>
</tr>
<tr>
<td>Submersible Pumps in Balochistan and KPK</td>
<td>30</td>
<td>15,000</td>
<td>2</td>
</tr>
<tr>
<td>Gravity Flow Scheme in Gilgit Baltistan and AJ&amp;K</td>
<td>20</td>
<td>10,000</td>
<td>2</td>
</tr>
<tr>
<td>Water Filtration Plants in Sindh</td>
<td>14</td>
<td>70,000</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>214</strong></td>
<td><strong>131,250</strong></td>
<td><strong>10</strong></td>
</tr>
<tr>
<td>Countries</td>
<td>Shallow Wells</td>
<td>Beneficiaries</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------</td>
<td>---------------</td>
<td></td>
</tr>
<tr>
<td>Kenya</td>
<td>15</td>
<td>14,000</td>
<td></td>
</tr>
<tr>
<td>Somalia</td>
<td>15</td>
<td>14,000</td>
<td></td>
</tr>
<tr>
<td>Tanzania</td>
<td>15</td>
<td>14,000</td>
<td></td>
</tr>
<tr>
<td>Uganda</td>
<td>10</td>
<td>8,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>40</strong></td>
<td><strong>50,000</strong></td>
<td></td>
</tr>
</tbody>
</table>
1st Ever Project in Afghanistan (4,000 Beneficiaries)
First Ever Water Project in Afghanistan
Some of the Projects in Africa
Completion of 214 Projects with the Collaboration of AKFP (Al-Khidmat Foundation Pakistan)
WFL Projects Inaugurated by CD-HHRD & Director Operations in various parts of Pakistan.
WFL has ensured the water quality in WFL projects through Electrical Resistivity Surveys, Pre & Post water quality tests from PCRWR and Material test from recognized Labs.
Water For Life Program of HHRD has improved access to clean drinking water and hygiene provisions to more than 952,000 people in 2016: You can become part of this Noble Task, and Earn the Immense Blessings from Allah SWT, as HHRD endeavors to reach out to almost Half a Million people in 2017...
2017

Refinement and Effectiveness
## Targets for Various Countries for 2017

<table>
<thead>
<tr>
<th>Countries</th>
<th>Number of Projects</th>
<th>Beneficiaries</th>
<th>Funds Needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pakistan</td>
<td>250</td>
<td>153,400</td>
<td>$1,171,000</td>
</tr>
<tr>
<td>Afghanistan</td>
<td>20</td>
<td>8,000</td>
<td>$70,000</td>
</tr>
<tr>
<td>Kenya</td>
<td>09</td>
<td>10,000</td>
<td>$45,000</td>
</tr>
<tr>
<td>Somalia</td>
<td>10</td>
<td>11,000</td>
<td>$50,000</td>
</tr>
<tr>
<td>Tanzania</td>
<td>16</td>
<td>17,000</td>
<td>$80,000</td>
</tr>
<tr>
<td>Uganda</td>
<td>05</td>
<td>6,000</td>
<td>$25,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>310</strong></td>
<td><strong>205,400</strong></td>
<td><strong>$1,441,000</strong></td>
</tr>
</tbody>
</table>
Helping Hand For Relief & Development

WATER FOR LIFE &

WATER AND SANITATION HYGIENE PROGRAMS

HOW YOU CAN PARTICIPATE…
VISIT OUR WEBSITE
www.hhrd.org
Newsletter Signup

Web-Link to Donate for Water Projects:
https://hhrd.org/donate?proid=20

CONNECT:
Helping Hand For Relief & Development

MATCHING GIFT PROGRAM

**DOUBLE** your Support...

- Your corporate employer may match your donation.
- With the Matching Gift Program, your donation can be at the maximum doubled.
- Currently 200+ companies match their employees donations with HHRD, and your if not in our system can get registered.
How can you participate?

You can either mail to 21199 Hilltop Street, Southfield, MI 48033, USA, a Check or Money Order in the name of “Helping Hand For Relief & Development”, or donate using credit card or bank information at specific web-link on HHRD.Org website:

https://www.hhrd.org/water

On-Line in the Comments Section, or when sending the Check / Money-Order, write a note on a piece of paper mentioning which project you want to sponsor (see the next slide), in whose name is the project being done, so as to prepare the proper marble plaque, and mention in the note that the In-Charge of HHRD USA WFL & WASH be informed about your donation: Please call 1.832.275.0786 for more information on the exact location and projects availability…
## WATER PROJECT TYPES AND COUNTRIES

<table>
<thead>
<tr>
<th>Type and Location</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFRICA: Shallow Well With Affrediv Pump (Somalia / Kenya / Uganda / Tanzania)</td>
<td>$5,000</td>
</tr>
<tr>
<td>AFGHANISTAN: Shallow Well With Affrediv Pump</td>
<td>$3,500</td>
</tr>
<tr>
<td>PAKISTAN: Shallow Well With Affrediv Pump</td>
<td>$1,500</td>
</tr>
<tr>
<td>PAKISTAN: Dug Well Project</td>
<td>$2,500</td>
</tr>
<tr>
<td>PAKISTAN: Submersible Pump with Water Storage Tank</td>
<td>$3,000</td>
</tr>
<tr>
<td>PAKISTAN: Water Gravity Scheme (In Hilly Areas)</td>
<td>$4,500</td>
</tr>
<tr>
<td>PAKISTAN: Water Filtration Plant</td>
<td>$28,500</td>
</tr>
</tbody>
</table>
FOR MORE INFORMATION AND FAQs ABOUT WFL, GO TO: WWW.HHRD.ORG/WATER
Jazak Allahu Khair

ขอบคุณจากใจจริง