

Requesting Organization :	Rural Water and Sanitation Support Agency
Allocation Type :	1st Round Standard Allocation
Primary Cluster	Sub Cluster Percentage
WATER, SANITATION AND HYGIENE	100.00
	100
Project Title :	Emergency Water, Sanitation and Hygiene (WASH) to conflict affected (IDPs and Host community) and Outbreak prone communities in Mingkaman, Awerial County.
Allocation Type Category :	Frontline services

OPS Details			
Project Code :		Fund Project Code :	SSD-16/HSS10/SA1/WASH/NGO/692
Cluster :		Project Budget in US\$:	200,000.01
Planned project duration :	6 months	Priority:	
Planned Start Date :	01/02/2016	Planned End Date :	31/07/2016
Actual Start Date:	01/02/2016	Actual End Date:	31/07/2016

Project Summary : The aim of the project is to contribute to the reduction of mortality and morbidity due to high incidences of water and sanitation related diseases and outbreaks among IDPs and Host Communities in Mingkaman, Awerial County Lakes State, especially the new arrival who are dire need for access to water supply and WASH services in general. The overall objective of the project is to ensure adequate and Sustainable Operation and Maintenance of the Water Supply systems, and water points and also scale up Hygiene Promotion within the new IDP arrival settlements in Site 1, especially sector 4 and 7 in Mingkaman of Awerial County who need urgent attention to avoid a possible disastrous outbreak of illnesses, diseases or even deaths.

Direct beneficiaries :

Men	Women	Boys	Girls	Total
6,200	10,850	6,200	7,750	31,000

Other Beneficiaries :

Beneficiary name	Men	Women	Boys	Girls	Total
Internally Displaced People	6,200	10,850	6,200	7,750	31,000
People in Host Communities	0	0	0	0	0

Indirect Beneficiaries :
 Previous settled IDPs and Host communities

Catchment Population:
 The main and largest target here is the new IDP arrivals in Mingkaman in Site 1 sector 4 and sector 6 with adequate water supply and hygiene promotion activities.

Link with allocation strategy :
 The IDPs and Host communities in Minkaman have adequate timely and sustainable access to safe, and sufficient quantity of water for drinking, washing and other domestic purposes.
 To contribute towards reduction of mortality and morbidity resulting from WASH diseases out break and high incidents of water and water related diseases through increasing the pumping hours for water and drilling of boreholes installed with hand pumps.

Sub-Grants to Implementing Partners :

Partner Name	Partner Type	Budget in US\$

Other funding secured for the same project (to date) :

Other Funding Source	Other Funding Amount

Organization focal point :

Name	Title	Email	Phone
MODI Alphonse	Programme Manager	alk.modi@gmail.com	0959001540
JOSEPH Kenyi	Director	kenyijoseph@yahoo.co.uk	0952209999

BACKGROUND**1. Humanitarian context analysis**

The provision of safe water and sanitation is still very critical in some areas in Mingkaman like in Site 1 sector 4 and sector 7. Currently there is low access by new arrival of IDPs in Mingkaman to safe water given that the current water facilities can not provide as enough water to meet the needs for the whole population as expected.

Mingkaman in Awerial County is currently facing a huge influx of Internally Displaced persons from neighboring Jonglei State, who are in dire need of urgent Water Sanitation and Hygiene services in their current settlement locations. These IDPs are currently under-served with the available few WASH services in Mingkaman with support from Humanitarian agencies. Therefore there is urgent need to scale up WASH services in Mingkaman for the huge population influx of IDPs especially increasing and improving access to adequate safe water supply, and also scale up Hygiene Promotion activities to this needy population. The county does not have the capacity to provide the technical expertise for the sustainable operation and management and development of water facilities to adequately supply the needy population, like the motorized systems.

2. Needs assessment

There is already a huge new IDP arrivals in Mingkaman in Site 1 sector 4 and sector 7 who are urgently in need of adequate water supply. Due to the unpredictable influx of IDPs into Mingkaman and the inability of the solar systems to sufficiently run water schemes and unable to continuously pump enough water caused by power shortage. Also the solar pumps have relatively low flow rate to ensure adequate water supply into the tanks. There is a huge beneficiaries turn up at the few water points and yet a few collect enough water and yet not all the beneficiaries do get the SPHERE standard amount of water of 15litres/person/day.

There are existing water systems with generators that can provide additional amount of water pumped. Therefore there is need to ensure that the generators are functioning to capacity in order to supply the estimated needed amount of water for the beneficiaries especially in sector 4 where the new IDP arrivals are.

The existing water facilities do not have regular opening schedule, thus women do not know when taps will be opened and changes everyday. Also the queuing time is long with some missing out on water at the end of the day causing some to make late long movement from other water sources in other sectors/sites to fetch water which may put there safety at risk.

There is also need to increase number of reliable water sources especially the drilling of 2 borehole installed with hand pump each in sector 4 and 7 of site 1 to supplement the already existing water points and address the ever increasing water demand in Mingkaman IDP camps. There is also need to increase the running time for water systems installed with generator to pump sufficient amount of water domestic use by the IDPs in Mingkaman especially in sector 4.

3. Description Of Beneficiaries

These new arrivals are largely the old, children and women and most of these families are not headed by men. They are also currently the most vulnerable and need enough WASH services in their settlement mostly women, girls and the elderly who may not have the strength to make long journey in search of safe water sources.

The target beneficiaries of 41,000 conflict affected people mostly the vulnerable group of beneficiaries are mainly from Duk county, Jonglei State where there has been tense insecurity environment and lack of sufficient and proper Water Sanitation and Hygiene services to the affected population in need. The target population are to be served with safe water supply facilities to produce and meet the estimated demand gap needed.

Some of these beneficiaries are located in more distant areas in these sectors (4 & 7)

4. Grant Request Justification

With the current available WASH services in Mingkaman all the facilities are stretched beyond capacity to satisfactorily provide the required services to the population that need the services. This is because due to limited WASH facilities setup in Mingkaman with larger population to serve and also services received by some beneficiaries are below the required SPHERE standards. Therefore the grant allocated to support the transformation of the water schemes from generator power to solar power will be more cost effective in terms of fuel cost and easy to maintain by the operating agency and later by the county administration and meet the first Cluster objective of Affected populations have timely access to safe and sufficient quantity of water for drinking, domestic use and hygiene (SPHERE). Also, the grant support for Hygiene Promotion at all water points would ensure Affected populations have knowledge and appropriate behaviors to prevent and mitigate WASH related diseases and practice good hygiene and practice safe waste disposal.

Emergency WASH facilities are expensive to provide and maintain as it requires high number of staffing and skills, and continuous running costs for laborers and consumables. also the fact that emergency facilities are short-lived and there is need to transform them into sustainable WASH facilities. Also the cost of fuel and their continuous absence from the market supplies makes running of these schemes of fuel more expensive. Thus RUWASSA would like to transform the remaining 4 water schemes run on generator to solar powered schemes for sustainability and easy of operation and maintenance.

5. Complementarity

The project will be complemented with rehabilitation of 10 boreholes with hand pumps in Awerial County this year to benefit both Host communities and Internally Displaced Persons.

Unicef will continue to support RUWASSA through a new PCA underway that will ensure the transformation of existing schemes with solar power and a sustainable measure for County. Also, Hygiene Promotion activities will be scaled up through in the new PCA with Unicef in site 1 and site 0 and also through mass media like radio through playing of radio jingles on air for listeners in the local languages (Dinka and Arabic)

RUWASSA will also carryout refresher training for Hygiene promoters, establishment and training of Water Management Committees for new water schemes for operation and maintenance of the water points.

LOGICAL FRAMEWORK**Overall project objective**

To contribute towards reduction of mortality and morbidity resulting from WASH diseases out break and high incidents of water and water related diseases by increasing the running hours for generator powered water schemes, ensure proper and effective operation of solar powered schemes, drilling of additional 4 boreholes installed with hand pumps supply to supplement existing water sources and serve another portion of the population with enough water.

WATER, SANITATION AND HYGIENE

Cluster objectives	Strategic Response Plan (SRP) objectives	Percentage of activities
CO1: Affected populations have timely access to safe and sufficient quantity of water for drinking, domestic use and hygiene (SPHERE)	HRP 2016 SO1: Save lives and alleviate suffering through safe access to services and resources with dignity	80
CO3: Affected populations have knowledge and appropriate behaviors to prevent and mitigate WASH related diseases and practice good hygiene	HRP 2016 SO2: Ensure communities are protected, capable and prepared to cope with significant threats	20

Contribution to Cluster/Sector Objectives : Through increasing water pumping time using generators and through the drilling of 2 more boreholes installed with hand pumps 1 in each of sector 4 and sector 7 of site 1, the population will be guaranteed adequate and safe water supply. The supply of fuel will continue the running of the existing generator powered schemes and ensure the adequate pumping of water to the reservoir tanks for distribution and use. The IDPs and Host communities in Minkaman will have adequate timely and sustainable access to safe, and sufficient quantity of water for drinking, washing and other domestic purposes with these schemes upgraded and functioning. Also through the Hygiene Promotion scale up and exercise, the Affected populations will have knowledge and appropriate behaviors to prevent and mitigate WASH related diseases and practice good hygiene and safe Waste disposal.

Outcome 1

Improved access to safe drinking water to target community through the construction of new boreholes and operation of existing water schemes

Output 1.1

Description

Drilling of boreholes, installation and completion with hand pumps

Assumptions & Risks

All boreholes are productive enough for communal use
The new drilled boreholes are properly used and address the demand gap for water by IDPs

Activities

Activity 1.1.1

Drilling of boreholes to recommended depth

Activity 1.1.2

Development and casting of boreholes

Activity 1.1.3

Completion of boreholes and Installation of boreholes with hand pumps for use/pumping

Activity 1.1.4

Formation and offering tailored training for the WMCs

Activity 1.1.5

Monitoring the use of the hand pump boreholes and the activities of the WMCs

Indicators

Code	Cluster	Indicator	End cycle beneficiaries				End cycle Target
			Men	Women	Boys	Girls	
Indicator 1.1.1	WATER, SANITATION AND HYGIENE	Frontline # of new hand pumps/boreholes constructed					4

Means of Verification : Visible functional boreholes

Borehole logs
Water Quality testing results
Photos

Outcome 2

Improved access to adequate sustainable use and supply of safe water through operation and maintenance of existing water supply schemes for the target beneficiaries

Output 2.1

Description

Safe, Functional and properly construct and manage Water storage facilities and system

Assumptions & Risks

All generator powered systems managed by RUWASSA remain functional throughout the operational period
These generators are properly used and managed by Pump attendants
Theft or robbery of any generator does not occur
All generators can supply sufficient safe water

Activities							
Activity 2.1.1							
Pump and supply enough safe water into the tanks and bladders for collection							
Activity 2.1.2							
Periodic maintenance or servicing of the generators for proper and continuous pumping and functioning							
Activity 2.1.3							
Supply of 2 generators to be installed in site 1 sector 7 at the 2 newly drilled boreholes to enable pumping of sufficient water							
Activity 2.1.4							
Training of 2 operators on the running and management of the generators and recruitment of guards for the safeguarding of the equipment and facility accessories							
Activity 2.1.5							
Regular Cleaning of water points and their surrounding areas to avoid contaminations of the water sources							
Activity 2.1.6							
Regular cleaning of water containers like Jerrycans and buckets at all Household levels							
Activity 2.1.7							
Regular water treatment at household level through the use of Pur tabs or Aqua Tabs or any other water treatment tablets							
Activity 2.1.8							
Encourage boiling of drinking water among Households by Hygiene promoters through educating on the steps involved in the water treatment chain at household level							
Activity 2.1.9							
Advice and Encourage safe disposal of waste water at household level to avoid contaminations							
Indicators							
Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 2.1.1	WATER, SANITATION AND HYGIENE	Frontline # Number of emergency affected people with access to improved water sources	6,200	10,850	6,200	7,750	31,000
Means of Verification : Number of beneficiaries using the facilities Number of beneficiaries within reach of the water facilities Reduced number of water related diseases Reduced number or no of water related conflicts Increase in the number of domestic use of water							
Indicator 2.1.2	WATER, SANITATION AND HYGIENE	Frontline # of emergency affected people enabled to practice safe water at the household level.	6,200	10,850	6,200	7,750	31,000
Means of Verification : Clean water collection facilities/containers Regular cleaning of water points and containers Enough water to allow beneficiaries clean their collection containers							
Output 2.2							
Description							
By-laws formed by water management committees for the operation and maintenance of water points							
Assumptions & Risks							
Water Management committees - WMCs voluntarily active WMCs are gender sensitive WMCs have bylaws that favour the use and management of water points WMCs have records Members of the WMC have minimum knowledge on the protection of water points No abrupt population movement							
Activities							
Activity 2.2.1							
Advocating for WASH gender equality at water points through radio talk shows and open media outreach							
Activity 2.2.2							
Formation and training of 4 water management committees for the 4 new boreholes drilled							
Activity 2.2.3							
Capacity building of local skills of the water management committees on the benefits of having and implementing Water by-laws							
Activity 2.2.4							
Guiding the water management committees formed in developing their own water By-laws for operation and maintenance							
Indicators							

Code	Cluster	Indicator	End cycle beneficiaries				End cycle						
			Men	Women	Boys	Girls	Target						
Indicator 2.2.1	WATER, SANITATION AND HYGIENE	Frontline # Number of emergency affected people with access to improved water sources	6,200	10,850	6,200	7,750	31,000						
Means of Verification : Clean water points Regular cleanup schedule Established and existing Water Management Committees													
Outcome 3													
The target population adopt appropriate hygiene and sanitation practices and have improved Health													
Output 3.1													
Description													
IDP beneficiaries are reached with the 5 key messages on hygiene promotion and adapt to good hygiene and sanitation practices													
Assumptions & Risks													
Beneficiaries adapt to good hygiene and sanitation practices Beneficiaries are reached with the 5 key messages of hygiene promotion Beneficiaries accept to know, learn and understand benefits of good hygiene and sanitation practices Hygiene promoters reach out to primary household stakeholders eg. mothers and children													
Activities													
Activity 3.1.1													
Conduct refresher training for 20 hygiene promoters													
Activity 3.1.2													
House to house improvement campaigns for ideal household promotion (sustainable maintenance of household sanitation facilities)													
Activity 3.1.3													
Mass hygiene promotion in public using microphones on monthly basis and spot messages													
Indicators													
Code	Cluster	Indicator	End cycle beneficiaries				End cycle						
			Men	Women	Boys	Girls	Target						
Indicator 3.1.1	WATER, SANITATION AND HYGIENE	Frontline # of community based hygiene promoters trained	5	15			20						
Means of Verification : Hygiene promoters registered and trained Hygiene promoters do community and household sensitization on personal and sanitation practices													
Indicator 3.1.2	WATER, SANITATION AND HYGIENE	Frontline # of people reached through direct and participatory hygiene promotion activities	6,200	10,850	6,200	7,750	31,000						
Means of Verification : IDPs learn and adapt good personal and household hygiene and sanitation practices IDPs demand and increase use for sanitation facilities IDPs practices good protection mechanism at water points													
Additional Targets : Some beneficiaries will be reached through running radio jingles on good hygiene practices with support from Unicef Community sensitization and formation of water management committees at each of the schemes Support supervision and on job capacity building of operators and WMCs on reporting mechanisms will be done													
M & R													
Monitoring & Reporting plan													
Source water protection, drinking water treatment, drinking water distribution and use Monitoring, inspection and enforcement by the local authority, data management and reporting, WMC/operator education, training and certification Disinfection or chlorination of the water sources in case of detected threat													
Workplan													
Activitydescription	Year	1	2	3	4	5	6	7	8	9	10	11	12
Activity 1.1.1: Drilling of boreholes to recommended depth	2016		X										
Activity 1.1.2: Development and casting of boreholes	2016		X										
Activity 1.1.3: Completion of boreholes and Installation of boreholes with hand pumps for use/pumping	2016		X										
Activity 1.1.4: Formation and offering tailored training for the WMCs	2016			X									
Activity 1.1.5: Monitoring the use of the hand pump boreholes and the activities of the WMCs	2016			X	X	X	X	X					
Activity 2.1.1: Pump and supply enough safe water into the tanks and bladders for collection	2016		X	X	X	X	X	X					

Activity 2.1.2: Periodic maintenance or servicing of the generators for proper and continuous pumping and functioning	2016	X	X	X	X	X	X												
Activity 2.1.3: Supply of 2 generators to be installed in site 1 sector 7 at the 2 newly drilled boreholes to enable pumping of sufficient water	2016	X																	
Activity 2.1.4: Training of 2 operators on the running and management of the generators and recruitment of guards for the safeguarding of the equipment and facility accessories	2016																		
Activity 3.1.1: Conduct refresher training for 20 hygiene promoters	2016	X																	
Activity 3.1.2: House to house improvement campaigns for ideal household promotion (sustainable maintenance of household sanitation facilities)	2016	X	X	X	X	X	X												
Activity 3.1.3: Mass hygiene promotion in public using microphones on monthly basis and spot messages	2016	X	X	X	X	X	X												

OTHER INFO

Accountability to Affected Populations

RUWASSA will engage the communities from the start of this project once it is signed. Water management Committee members are part of the affected communities. The communities will be consulted and facilitated to select the competent persons. The communities will be sensitized and mobilized to participate in the joint monitoring visits and their opinions integrated into the project during the implementation progress as a preparation towards sustainable operation and management.

Implementation Plan

The project implementation will start immediately the project is signed at the same time the water systems will continue to running until all the necessary works are finished and disconnected and reconnected to the constructed systems. The community mobilization and sensitization activities will be integrated into the construction works. There will be on-job capacity building during the construction works of the selected technicians/operators.

Coordination with other Organizations in project area

Name of the organization	Areas/activities of collaboration and rationale

Environment Marker Of The Project

A+: Neutral Impact on environment with mitigation or enhancement

Gender Marker Of The Project

2a-The project is designed to contribute significantly to gender equality

Justify Chosen Gender Marker Code

- The project is designed in such a way that the WASH facilities favor the convenience of children, women, pregnant women, the old and persons with disability by construction of fenced tap stands water points accessible to all and in a proper sanitation status and maintenance.
- The water user committees' management are to be chaired by women and decision making undertaken by women, girls and the elderly.
- In the establishment of the water management committees-WMC it is a requirement that women are included in the committee and given first priority. RUWASSA will include women in the training of WMCs and Hand pump mechanics for rehabilitated or repaired Afridev boreholes as they are easy to be repaired or operated by women.
- Rehabilitation of broken boreholes located in less than 1km distance reach by children (boys and girls), women, pregnant women and elderly are to be fenced by the formed WMCs and maintained properly for access and safety.

Protection Mainstreaming

Prioritize safety & dignity, and avoid causing harm

The project aims to prevent and minimize as much as possible any unintended negative effects which can increase people's vulnerability to both physical and psychosocial risks.

Meaningful Access

Special attention will be paid to individuals and groups who may be particularly vulnerable or have difficulty accessing assistance and services.

Accountability

Appropriate mechanisms will be setup through which affected populations can measure the adequacy of interventions, and address concerns and complaints.

Participation and empowerment

There will be support in the development of self-protection capacities and assist people to claim their rights, including – not exclusively – the rights to water and sanitation

Country Specific Information

Safety and Security

The country currently is relatively safe and there has been reduced cases of insecurity

Access

The target project location Mingkaman in Awerial, County remains accessible by road, water and also by air, which will enable the implementation of the project.

BUDGET							
Code	Budget Line Description	D / S	Quantity	Unit cost	Duration Recurrence	% charged to CHF	Total Cost
Staff and Other Personnel Costs							
1.1	Programme Manager	S	1	1,800.00	6	10000.00 %	10,800.00
<p><i>The Programme Manager will oversee the entire inception and implementation of the project, including the coordination of all project activities and programmes between the funding body and RUWASSA.</i></p> <p><i>The programme manager will also ensure the timely followup of the planned project workplan and ensure the necessary supporting and implementing resources and materials are provided in time and on the ground.</i></p> <p><i>The Programme Manager will also carry out internal monitoring and evaluation of the project implementation, progress and its impacts to the intended population and purpose filled.</i></p> <p><i>1 Programme Manager is required to oversee this project given the time limit and the cost charged is to cover for salary and social security</i></p>							
1.2	Field Coordinator	S	1	800.00	6	10000.00 %	4,800.00
<p><i>The field coordinator will coordinate all the field activity implementation with the Programme Manager in the Head Office</i></p> <p><i>The coordinator will oversee the direct and full implementation of all planned project activities in the field</i></p> <p><i>The WASH Cluster coordinator will coordinate all the WASH cluster activities in Mingkaman and be the link between WASH agencies in Mingkaman and Juba level</i></p> <p><i>Management of project locations, provide technical guidance on the critical parts in the project phases, and supervision of the officers and support staffs</i></p> <p><i>The coordinator will become the bridge between the field and the Head office management</i></p>							
1.3	WASH Officer	D	1	700.00	6	10000.00 %	4,200.00
<p><i>WASH officer will oversee the overall WASH activities in the field and directly report to the Coordinator</i></p> <p><i>The officer will also give support and guidance while WASH activities are being implemented</i></p> <p><i>Community mobilization and sensitization, local authority consultations, facilitate and support community selection of the different committees trained or to be trained</i></p> <p><i>The officer will ensure the proper functionality and operation of WASH facilities constructed to the intended capacity and give guidance where due</i></p>							
1.4	WASH Technician	D	1	600.00	6	10000.00 %	3,600.00
<p><i>WASH technician will oversee all technical support in the field</i></p> <p><i>The technician will ensure that all WASH hardware components are successfully implemented and functional</i></p> <p><i>Translate the design into the actual facility on ground. Monitor training of Pump Mechanics and technicians</i></p>							
1.5	Community Mobilizer	D	1	800.00	6	10000.00 %	4,800.00
<p><i>The mobilizer will become the linking bridge between the communities and program initiatives that need to be undertaken</i></p> <p><i>The mobilizer will ensure timely sharing and interpretation of WASH information from RUWASSA Mingkaman to stakeholders</i></p>							
1.6	Hygiene Promoters	D	2	250.00	6	10000.00 %	3,000.00
<p><i>The Hygiene promoters will carryout hygiene promotion programmes to the affected population in the areas of target</i></p> <p><i>They will ensure all WASH facilities are properly kept hygienically and with proper sanitation</i></p>							
Section Total							31,200.00
Supplies, Commodities, Materials							
2.1	Supply of Generators	D	2	20,210.10	1	10000.00 %	40,420.20
2.2	Supply of Pastic water storage tanks	D	8	3,180.00	1	10000.00 %	25,440.00
<p><i>This includes the purchase, loading transportation, offloading and lifting/placement of the tanks on towers</i></p>							
2.3	Supply and Replacement of submersible pumps	D	2	5,073.00	1	10000.00 %	10,146.00
<p><i>Supply of pumps, replacement and connections and installation into the borehole/reservoir</i></p>							
Section Total							76,006.20
Contractual Services							
4.1	Drilling and Installation of boreholes with hand pumps	D	4	12,700.00	1	10000.00 %	50,800.00
<p><i>Includes boreholes drilling, installation and completion and other accessories to support and complete the system to working satisfactory</i></p>							
4.2	Water Quality Testing	D	4	200.00	1	10000.00 %	800.00

	<i>Analysis of the Biological, chemical and physical properties of the water samples</i>						
4.3	Servicing and maintenance of generators	D	1	2,200.09	6	10000.00 %	13,200.54
	<i>Routine Servicing, supply of spares, maintenance works</i>						
	Section Total						64,800.54
Travel							
5.1	Field Monitoring missions from Juba	D	2	2,099.95	2	10000.00 %	8,399.80
	<i>The monitoring trips include the periodic supervision, monitoring and assessment of the progress made in the project implementation.</i>						
	Section Total						8,399.80
Transfers and Grants to Counterparts							
6.1	Bank Charges	D	2	395.00	2	10000.00 %	1,580.00
	Section Total						1,580.00
General Operating and Other Direct Costs							
7.1	Conduct Refresher training for Hygiene promoters	D	20	36.00	1	10000.00 %	720.00
7.2	Facilitate Hygiene promotion activities at Household level and through mass campaigns	D	1	701.56	6	10000.00 %	4,209.36
	Section Total						4,929.36
SubTotal			53.00				186,915.90
Direct							171,315.90
Support							15,600.00
PSC Cost							
PSC Cost Percent							7%
PSC Amount							13,084.11
Total Cost							200,000.01
Grand Total CHF Cost							200,000.01
Project Locations							
Location	Estimated percentage of budget for each location	Estimated number of beneficiaries for each location					Activity Name
		Men	Women	Boys	Girls	Total	
Lakes -> Awerial	100						
Documents							
Category Name				Document Description			