

Requesting Organization :	American Refugee Committee				
Allocation Type :	2018 – SHF 2nd Round Standard Allocation				
Primary Cluster	Sub Cluster	Percentage			
WATER, SANITATION AND HYGIENE					100.00
					100
Project Title :	Provision of integrated WASH services to the protracted conflicted affected people living in Bielel Locality (Envelope 2)				
Allocation Type Category :					
OPS Details					
Project Code :		Fund Project Code :	SUD-18/HSD20/SA2/WASH/INGO/7822		
Cluster :		Project Budget in US\$:	297,955.78		
Planned project duration :	12 months	Priority:			
Planned Start Date :	12/05/2018	Planned End Date :	11/05/2019		
Actual Start Date:	12/05/2018	Actual End Date:	11/05/2019		
Project Summary :	<p>The proposed 12-month project will focus on provision of high quality lifesaving and sustainable water supply, environmental services/ sanitation and hygiene promotion (WASH) interventions to the most vulnerable protracted IDPs in Kalma IDP Camp of Bielel locality , South Darfur state. The proposed intervention/response will reach 58,149 IDPs displaced by conflict and insecurity, currently living in Kalma IDP camp, in sectors 4A,4B, 8 and 9, as well as 2,100 of the most vulnerable host community members living in communities surrounding Kalma camp. The proposed WASH interventions will ensure reliable access to safe water supply, and improved gender-segregated sanitation facilities, promote good hygiene and better understanding of the key public health/ nutrition risks associated with inadequate WASH, through integrated WASH, Health and Nutrition messaging conducive to reducing these risks. ARC will support operation and maintenance of eight motorized water systems and 10 hand pumps, using the community-based operation and maintenance (CBO&M) approach. In addition, ARC will upgrade a one high yield borehole into a mini water yard/ strategic water source, powered by hybrid systems combining the primary solar systems and the auxiliary diesel generator. In addition, systematic water treatment, quality monitoring and surveillance will be implemented through community participation in management of the water safety plans for each water source. To improve the sanitation; ARC will rehabilitate and construct new latrines from locally available materials.. ARC will take into consideration community input into design of latrines that ensure privacy, dignity and security of women and children; and provide easy access for the pregnant women, elderly and people with disability,. An integrated Health/ Nutrition and WASH messaging approach will be used in prevention and control of diarrheal diseases in combination with environmental cleaning campaigns, health education sessions (infection prevention of common illnesses), early identification and referral of diarrhea cases through the active case finding , and nutrition education on Infant and Young Child feeding.</p> <p>All proposed intervention will be implemented in close collaboration with local institutions/ line ministries and communities to ensure ownership, active community participation and sustainability</p>				
Direct beneficiaries :					
Men	Women	Boys	Girls	Total	
25,374	24,891	5,091	4,893	60,249	
Other Beneficiaries :					
Beneficiary name	Men	Women	Boys	Girls	Total
Internally Displaced People	24,574	23,891	4,991	4,693	58,149
People in Host Communities	800	1,000	100	200	2,100
Pregnant and Lactating Women	0	0	0	0	0
Indirect Beneficiaries :					
Around 2,100 most vulnerable host community members living in Kalma villages , near Kalma IDP camp, are expected to collect water from the water points if their traditional hand dug wells dry at the peak of the dry season.					
Catchment Population:					
126,172 as per UN OCHA,HAC and IOM endorsed camp profile (October 27, 2015)					

Link with allocation strategy :

ARC proposed activities are in line with the Outcome 2) in the Humanitarian response plan (HRP2018)2018), i.e. Displaced populations, refugees, returnees and host communities meet their basic needs and/or access basic services while increasing their self-reliance. WASH services will be provided with the key objective of reducing morbidity and mortality associated with vector and water borne diseases among the most vulnerable groups, particularly children under five and PLW. With SHF funding, proposed activities under the WASH sector will focus on upgrading of one high yielding borehole with hand pump into ainto a water yard with the distribution system through tap stands serving thousands of people, as well as support the community based operation and maintenance of eight motorized water systems and 10 hand pumps. ARC will, provide improve sanitation infrastructure and hygiene practice and conditionsand conditions.

To ensure sustainability of these basic services, ARC works closely with the government line ministries, community based organizations and national NGOs. In order to ensure integration and complementarity between WASH health and nutrition services, ARC will transform its previous villageprevious village health committees and WASH management committees into the integrated Community Relief and Development Committees. Although ARC will focus on hygiene promotion efforts under WASH, they will be implemented through a common effort with the ARC Health and Nutrition teams in order to achieve combined effects of reduced morbidity and mortality from communicable diseases transmitted via the oral-fecal route and via vectors, with the compounded negative effects associated with malnutrition. In addition these Community Relief and Development Committees will increase the role of community participation in maintaining the services started by ARC.

In addition, ARC will upgrade its community feedback and response mechanism through the introduction of a unique customer satisfaction approach called Kuja Kuja, that regards the service beneficiaries as customers and empowers them to state their rating of ARC services through a user-friendly Android-based tablet application. With 150,000 responses to date, Kuja Kuja is posting the statistics of customer satisfaction online daily, visible to all, including donor representatives, authorities and customers/ beneficiaries themselves. This system, endorsed by UNHCR in Uganda and Rwanda, has helped ARC significantly, and will contribute to the strengthening of ARC services in Sudan, adding a unique aspect of Accountability to Assisted Persons (AAP) to our other tools, in accordance with the IASC guidelines on AAP. , ARC will continue to facilitate community consultation meetings to ensure active community participation, transparency and handling community feedback. This will also engage the community to understand the services available and increase demand and utilization of the available services.

ARC will work with a local partner national non-governmental organization (NNGO) - ASSIST- (Organization for Voluntary Humanitarian Assistance Program) to strengthen community activities in Kalma IDP camp, South Darfur. Community activities to be carried out by ASSIST include; community mobilization, awareness campaigns, clean up campaigns and capacity building of CHPs

Sub-Grants to Implementing Partners :

Partner Name	Partner Type	Budget in US\$
Assist organization for voluntary humanitarian assistant program	National NGO	20,000.00
		20,000.00

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

Other Funding Source	Other Funding Amount

Organization focal point :

Name	Title	Email	Phone
Dula James	Country Director	DulaJ@acrelief.org	+249901234001
Nyika Musiyazwiriyo	Coutry program Manager	NyikaM@acrelief.org	+249901234006

BACKGROUND

1. Humanitarian context analysis

The conflict situation in Darfur region still remains unresolved since it broke out more than 13 years ago and has mutated into a protracted emergency with more than 126,172 internally displaced persons residing in camps across Kalma IDPs camp according to UNOCH, IOM and HAC indorsed IDPs population report of October 2015. With limited or no alternative livelihood options in the overcrowded camps, the IDPs are dependent on humanitarian aid to meet their most WASH basic needs. Lack of political resolution of the conflict in Darfur, insecurity outside the camp and lack of basic services in the IDPs' areas of origin have prevented significant returns. According to the Inter-Agency Assessment conducted on June 22, 2017, following Kalma camp flash floods almost 100% of latrines in sector 1, 8 and partly sector 5 were either filled by water or completely collapsed and became breeding places for vectors of water borne diseases Kalma camp, sector 4 is facing serious shortage of water, as the water coverage within the sector is 10 liters/p /d, which is below the Sphere standards. The shortage of water is one of the key issues highlighted by the community during the recent community consultations conducted by ARC in December 2017

ARC HIS report June to November 2017, 404 cases were admitted to the DTC and 38 death cases reported resulting in a case fatality rate (CFR) of 9.5% which is above the standard threshold of 1%. It becomes obvious that concerted action to address such high attack rates and case fatality rates is needed between Health, WASH and Nutrition actors and interventions. In addition, inadequate Water supply, sanitation and hygiene conditions in the camps escalated the outbreak.

2. Needs assessment

The high population density in Kalma camp increases the rate of water use and the frequency of breakdowns of water and sanitation systems, triggering a need for frequent repair and maintenance as well as continuous expansion and upgrading of WASH services to ensure uninterrupted services. Increased operation and maintenance costs will place a higher burden on vulnerable communities. The use of the renewable energy source will help reduce long-term operation and maintenance costs.

Every year Kalma camp sector 1 & 8 are prone to flooding emergencies because of the low level of land and their attachment to the bank of the seasonal river that runs past Kalma Camp. According to Interagency Assessment Report In June 2017, floodwaters inundated almost all latrines in sector 1, 8 and partially sector 5, spewing out raw sewage. This contaminated open water sources and combined with poor sanitation and hygiene practices this was partly to blame for the outbreak of suspected acute watery diarrhea in Kalma IDP camp. Kalma camp, sector 4 is facing serious shortage of water, as the water coverage within the sector is 10 liters/p /d, which is below the Sphere standards. The shortage of water is one of the key issues highlighted by the community during the recent community consultations conducted by ARC in December 2017

The ARC December 2017 household visit report findings showed that 40% in Kalma camp do not demonstrate good hygiene practices. Of the households visited, 53% were not adhering to appropriate environmental hygiene practice, waste was observed in 25% of compounds of 203 households visited

ARC HIS and nutrition database for January to December 2017 for Kalma IDPS camp reported highest MAM and SAM cases and also reported highest diarrheal diseases according to the report 1,772 SAM, 3,165 MAM and 10,241 diarrheal cases were reported. WASH interventions will focus on those localities to combat the diarrhea and malnutrition rates, especially among children and PLW. ARC will address the WASH in all health and nutrition centers in kalma camp in order to improve the health care environment and achieve integration between health and WASH in terms of impact on public health

3. Description Of Beneficiaries

The populations targeted under this project includes protracted IDPs and host communities who are directly affected by conflict and displacement. Of the 60,249 targeted beneficiaries under this project about 58149 (96%) are IDPs and 3% 2100 are host community members.

Through this project 60,249 most vulnerable people will be assisted The beneficiaries include 58,149 IDPs residing in Kalma camp and 2,100 host community members residing in the rural areas surrounding Kalma camp, of which 25,254 men, 24,754 women, 5,171 boys, and 5,070 girls. The beneficiaries were identified through the community consultation conducted by ARC in December 2017. Groups include PLW , female-headed households, large families with many small children, elderly and people with special needs who will be prioritized for water supply, latrine construction and/or latrine rehabilitation services and hygiene kits distribution

4. Grant Request Justification

The proposed intervention will contribute to HRP outcome 2 (PROTRACTED DISPLACEMENT: Displaced populations, refugees, returnees and host communities meet their basic needs and/or access to essential basic services while increasing their self-reliance) and overall SHF 2018 Envelope 2 PROTRACTED DISPLACEMENT allocation parameters and eligible actions. Sustaining the WASH services at the current levels for areas with protracted displacement and improve level of WASH services for both people who live in booth both in and outside IDPs camp within Bielel locality. The proposed immediate interventions are complemented with interventions that aim at the sustaining the services, reducing the diarrhea and outbreak and building resilience of communities to natural shocks and stresses

According to the Inter-Agency Assessment conducted on June 22, 2017, following Kalma camp flash floods almost all latrines in sector 1, 8 and partly sector 5 were either filled by water or completely collapsed and became breeding places for vectors of water borne diseases. The aftermath of this was an outbreak of suspected acute watery diarrhea in Kalma IDP camp. ARC responded to the outbreak with support of state ministry of Health (SMOH), UNICEF, IOM and World Health Organization (WHO) and intersectoral (Health and WASH) interventions, in coordination with other stakeholders. ARC established a diarrhea treatment center (DTC) and in addition received emergency funds from IOM to support provision of both health and WASH interventions to contain the outbreak. Four hundred and four cases were admitted to the DTC and 38 death cases reported resulting in a case fatality rate (CFR) of 9.5%, which is above the standard threshold of 1%. It becomes obvious that concerted action to address such high attack rates and case fatality rates is needed between Health, WASH and Nutrition actors and interventions.

According to the stakeholders and community consultation meeting conducted by ARC on December 2017 in Kalma camp, identified critical WASH gaps as follows, insufficient water supply in sector 4, outbreak of suspected AWD, poor hygiene and sanitation practices and poor environmental sanitation (solid waste disposal). In regard to the aforementioned challenges or needs, ARC propose to use SHF funds to increase access to safe potable clean water for protracted IDPS and host community through:-

- Up grading of a high yielding hand pump to a strategic water yard, powered by hybrid systems combining the primary solar systems and the auxiliary diesel generator to ensure uninterrupted water supply.
- Support the operation and maintenance of eight exiting boreholes.
- Conduct water treatment, quality monitoring and surveillance.
- Improve access to improved sanitation infrastructure and hygiene conditions through construction and rehabilitation of 300 latrines and training HNW hygiene promoters and Community Relief and Development committee.

ARC will implement all the proposed activities under this project with close coordination with community, WES and SMOH sanitation and hygiene project.

ARC has been working in Kalma camp since 2009 and its one of the effective WASH sector partners. It has an office in Nyala with well-experienced and seasoned WASH staff, including engineers and public health experts. Currently ARC is working on setting up an integrated Health, Nutrition and WASH intervention model to prevent and in case of the need, respond to the AWD outbreaks affecting IDPs and host community living in Kalma camp and its surroundings. Because of this continued presence and expertise, ARC has developed strong knowledge of the context and has built very strong relationships with the local communities and respective line ministries including other agencies in both health and WASH like WES, CIS, Oxfam, IMC, ASSIST and others

5. Complementarity

The actions proposed in this project will complement other ongoing WASH, Health and Nutrition projects implemented by ARC in Kalma IDPs camp, funded by OFDA. An integrated multi sector assistance (WASH, nutrition and Health) package will be provided to the same target communities or households. WASH component will look at building households and communities resilience to the impact of hazards, and strengthen households' ability to respond and recover from shocks

LOGICAL FRAMEWORK

Overall project objective

Provide and sustain WASH services for 60249 protracted conflict affected IDPS and most vulnerable host community residing in Kalma camp, Belil locality of South Darfur state

WATER, SANITATION AND HYGIENE

Cluster objectives	Strategic Response Plan (SRP) objectives	Percentage of activities
Address 90 per cent of the protracted IDPs, and continue to improve the level of WASH services to 1.89 million targeted people, who live both in and outside IDP camps.	Outcome 2: PROTRACTED DISPLACEMENT: Displaced populations, refugees, returnees and host communities meet their basic needs and/or access to essential basic services while increasing their self-reliance	100

Contribution to Cluster/Sector Objectives : This project is designed in line with the cluster priorities and strategies of sustaining the WASH services in at the current levels for areas with protracted displacement and improve level of WASH services for both people who live in boothboth in and outside IDPs camp. WASH activities will be implemented in Kalma camp sectors 4a, 4b, 8 and 9 in South Darfur. The services will be implemented with the objective of maintaining and sustaining the existing WASH interventions and transforming WASH management committees and the community structures into an integrated WASH/ Health and nutrition focused Community Relief and Development Committees by Committees by building their capacity to become more self-reliant and to ensure sustainability. ARC will work closely with other WASH partners, line ministries WES/SMOH and the WASH management committees to strengthen community-based operation and maintenance of WASH services with specific focus on cost sharing and cost saving as per standard practice in areas served by ARC. ARC will continue the efforts it started in the previous project of making water supply system more sustainable and environmentally friendly by installing solar systems as the primary source of power for the water supply systems, with the existing diesel generators as the auxiliary power sources. Ground water monitoring will remain the standard feature, while the support for environmental health and hygiene promotion activities will contribute in reducing the public health threat and risk and the El-Nino effect through raising the awareness of the community to open and clean the drainage system, rationing the use and consumption of water and remove the garbage accumulation sites in the water stream

Outcome 1

60,249 (25374 men, 2489 women ,5091 boys and 4893most vulnerable protracted IDP and host communities will have access to improved sustainable safe water sources

Output 1.1

Description

Access to safe potable drinking water for targeted protracted IDPs and host community maintained without interruption

Assumptions & Risks

- The security remains calm and the project sites remain accessible
- HAC will remain collaborative and continue secure permission to implement the projects.

Indicators

Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 1.1.1	WATER, SANITATION AND HYGIENE	Number of long term displaced people in and out of camp have access to 10 liters of drinking water through water system managed at community or local level (HRP 2018).	25,374	24,891	5,091	4,893	60,249

Means of Verification : ii) Water production reports
iii) Field monitoring reports
iv) Monthly and quarterly project progress reports

Indicator 1.1.2	WATER, SANITATION AND HYGIENE	Number of water sources and/or system at institution and/or community level constructed, rehabilitated and/or upgraded					1
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Means of Verification : - Activity completion progress reports
- Photos

Activities

Activity 1.1.1

Standard Activity : Support the operation and management of existing water sources/system

Continue supporting the Kalma Camp WASH management committee to sustain the operation and maintenance of the eight existing motorized water systems and 10 hand pumps in Kalma IDP camp, sectors 4A, 4B, 8 and 9, serving a total of 60,249 , ARC Will provide fuel, lubricants, spare part and technical support and guidance while the community through the WASH Committee will manage day to day water system operation and maintenance including the water treatment and quality monitoring and surveillance . ARC will support the community to establish community financing system whereby community collect water users fee and invest the revenue in the operation and maintenance of the water system through purchasing of some fuel , lubricant s and engine oil , ARC will training the community committee in record keeping and like them with WES to monitor the user fee collection and expenditures, ARC will linked the beneficiaries with the spare part supplies to purchase their spaceport needs in the future

Activity 1.1.2

Standard Activity : Construction, rehabilitation and/or upgrading of water sources and/or system (eg. handpump, water taps, hafir, solar panel, water tank etc.) at institution and/or community level

ARC will upgrade one high yield borehole from a hand pump-operated to a hybrid solar/ diesel – powered system in Kalma camp sector 4. A new submersible pump will be installed, installed, the water system will be equipped with distribution networks, a 50 m3 water storage tank and other equipment. ,Kalma, Kalma camp, sector 4 is facing serious shortage of water, as the water coverage within the sector is 10 liters/p/d which is below the Sphere standards, Thestandards, The shortage of water is one of the key issues highlighted by the community during the recent community consultations conducted by ARC in December 2017. ARC conducted pumping test for one of the potential high yield hand pumps. The test results proved the potentiality of upgrading the hand pump to a water yard after a continuous pumping test for 72 hours. The average yield was 12m3 per hour , with only 2.4 meters drawn down in the static water level.

To Ensure the sustainability of the activity ARC will support the community to establish community financing system whereby community collect water users fee and invest the revenue in the operation and maintenance of the water system , ARC will link the community with solar service and spare part provider for maintained any anticipated breakdown in the system

Activity 1.1.3

Standard Activity : Conduct water quality testing and monitoring

ARC will conduct a biological test for fecal coliform bacteria to ensure the water is free from any harmful pathogens in collaboration with SMOH. ARC usually conducts a biological test for fecal coliform bacteria and chlorinates before rehabilitated water points are inaugurated for use by the community. A well-trained operator will conduct the chlorination process under direct supervision from ARC staff and ensure there is 0.2 – 0.5 mg/l free residual chlorine to prevent further contamination after collection. If at any time changes are noticed in water quality, or if there is a rapid increase in health related illnesses (diarrheas) among water users, further tests will be conducted. ARC will also monitor the water quality regularly during the rainy season to assess any contamination resulting from surface water percolation. Household water quality will be monitored through taking different water samples from households who will be selected randomly. If fecal contamination is observed, adequate measures will be taken such as disinfection of the water points and jerry can cleaning/cleaning campaign. Household water quality will be linked with the original water source for further corrective measures. This will occur regularly through standard monitoring and evaluation procedures. Safe water chain training will also be provided to all WASH Committees through the CHPs

Water quality monitoring method Water source to be monitored Frequency
 FRC level at the water points Existing water points Daily
 FRC level on a household level Sample from up to 10% of the target Households Weekly

Bacteriological analysis for both water points and Household level All the water points/source & up to 10% of the Households. At water points PH and Turbidity as well - Monthly

Outcome 2

60,249 (25374 men, 2489 women ,5091 boys and 4893most vulnerable protracted IDP and host communities members will have access to improved sustainable sanitation facilities

Output 2.1

Description

Reduced health threat and incidence associated with vector borne diseases in Kalma IDPs camp and Improved access to sanitation facilities and safe solid waste disposal mains

Assumptions & Risks

- The security remains calm and the project sites remain accessible
 - HAC will remain collaborative and continue secure permission to implement the projects.
 - Target community will participate in the project implementation.
- Economic situation and prices remain stable
- The security remains calm and the project sites remain accessible
 - HAC will remain collaborative and continue secure permission to implement the projects.
 - Target community will participate in the project implementation.
 - Economic situation and prices remain stable

Indicators

Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 2.1.1	WATER, SANITATION AND HYGIENE	Number of sanitation facilities at institution and/or community level constructed and/or rehabilitated by using CATS and/or CLTS approach					300

Means of Verification : - latrine distribution list
 - latrine completion and field monitoring reports

Indicator 2.1.2	WATER, SANITATION AND HYGIENE	Number of garbage cleaning campaigns conducted					12
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Means of Verification : Cleaning up campaigns report and field monitoring report

Activities

Activity 2.1.1

Standard Activity : Construction and/or rehabilitation of sanitation facilities (eg. latrines, bath shelter, etc) at institution and/or community level by using CATS and/or CLTS approach

ARC will support the target community in construction and rehabilitation of 300 latrines through using CAT approach. The community will take the lead in designing an affordable sanitation solution, so that the design is replicable and affordable to the community. ARC will take into consideration community input into design of latrines that ensure privacy, dignity and security of women and children; and provide easy access for the pregnant women, elderly and people with disability. ARC will provide plastic sacks for stabilization of latrines for the most vulnerable people in the camp only, including the persons with disability, women headed households, elderly people, household headed by children. ARC technical staff will support communities with ideas on addressing technical difficulties using locally available resources, but will not prescribe standard latrine designs. This will include advice on designs in order to increase durability and reduce the probability of the collapse during the flash floods, and training of local mason in latrine construction techniques as well as linking their new skill sets to the community need/ demand. This will provide the masons with the capacity to provide their services to the community at a cost in the end. The positioning of latrines versus drinking water sources will be discussed during the triggering session as well. The activity will be closely monitored by the ARC hygiene and sanitation supervisors and lessons learned will be documented so that the activity can be implemented more widely in the future

Activity 2.1.2

Standard Activity : Provision of solid/liquid waste management facilities

ARC will construct one final disposal sites in Kalma camp sector 8 the pits will be 10m length x 6 m width and 2m depth dimension the pits will be constructed from cement bricks.

ARC will mobilize and sensitize the WASH Committee the community to provide/secure the land, safe guard and manage the disposal pits/sites

The entire community of sector 8 will be mobilized to transport and dispose their garbage in to this disposal sites

Further more ARC will conduct Environmental vector control through removal and elimination of garbage accumulations sites and destroying vector breeding habitats. In addition to Provide logistic and financial support to SMOH to conduct larvicide /and indoor residual spraying activities by SMOH in Kalma IDP camp, ARC will provide the fund will the SMOH will provide the chemical , protective clothes and necessarily technical and semiskilled workers

Outcome 3

Improved Hygiene Awareness and Practices through an integrated Health/WASH/Nutrition team effort

Output 3.1

Description

Training manuals per combined TTC methodology, including PHAST and Baby WASH (Hygiene Promotion segment) designed T HNW volunteers in the combined methodology developed in the HNW manual trained TTC through PHAST and Baby WASH in combination with the Health and Nutrition messaging provided

Assumptions & Risks

the project sites remain accessible , HAC remain collaborative and secure permission for staff and supplies movement
project beneficiaries remain collaborative and participating in the project implementation

Indicators

Code	Cluster	Indicator	End cycle beneficiaries				End cycle
			Men	Women	Boys	Girls	Target
Indicator 3.1.1	WATER, SANITATION AND HYGIENE	Number of people reached by community raising awareness activities	24,174	23,891	4,991	4,693	57,749

Means of Verification : Household visit records , monthly progress and field visit report

Indicator 3.1.2	WATER, SANITATION AND HYGIENE	Number of WASH-related training sessions conducted					12
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Means of Verification : Campaigns and hygiene sessions reports , Field visit report

Activities

Activity 3.1.1

Standard Activity : Conduct community raising awarenes activities (e.g. awareness sessions, campaign, IEC material printing etc.)

Training manuals per combined TTC methodology, including PHAST and Baby WASH (Hygiene Promotion segment)
These manuals will be designed through collaboration of the Health, Nutrition and WASH teams, focusing on coming up with a concerted effort to achieve the outcome described in detail above. Clearly, it is not realistic or feasible that a volunteer will internalize and be able to practice the full Hygiene Promoter, Community Health Promoter/Worker and Nutrition Volunteer as these curricula and work TOR are simply too expansive for one person (volunteer) to be able to practice on daily basis. Nevertheless, ARC specialists / practitioners in these three sectors agree that a common, synergetic service package can be developed using the elements of each of the three sectors. The resulting curriculum will constitute the content of the ARC Community Integrated HNW Training Manual.

Trainings of HNW volunteers in the combined methodology developed in the HNW manual.
The HNW Volunteers will be selected among the men and women, and adolescent boys and girls in the community with inclusion of the older people and individuals with special needs as appropriate in order to ensure provision of services to different audiences by their peers/ community members. ARC will also insure adequate representation of people from different settlement sectors and locations. Training methodology and approaches will include elements of the training curricula mandated by the respective clusters/ sectors. Under WASH, the focus will be on PHAST and Baby WASH. Upon successful completion of the training, attendants will be issued certificates of completion and develop TORs with their supervisors and receive stationery, visibility items and in-kind incentives for their work. Weekly review of accomplishments will be a standard practice.

Participatory hygiene assessment and mapping in collaboration with the HNW Committees.
Participatory assessment of self-assessment is extremely important in helping the community leaders and volunteers understand the key hygiene and environmental risks and take ownership of the plans and activities necessary to build and sustain hygiene awareness, and keep the water and sanitation facilities clean and functional. This is the standard point of departure for community level hygiene per Global WASH Cluster Hygiene Promotion methodology (training manual). Upon completion of the interactive community hygiene mapping exercise, ARC team, CRD Committees and volunteers will develop the plan and time table of the community hygiene activities, services and events

TTC through PHAST and Baby WASH in combination with the Health and Nutrition messaging.
The ARC HNW teams will help pregnant women/ new mothers and their partners/ household members practice behaviors that are desirable at different stages, ranging from improving safety and health of the pregnant women and preparation for arrival of the child, support to new mother and newborn, through improving the behaviors and creating safer environment and practices during the first 1,000 days. In each step, ARC HNW team will provide a set of advices and actions towards reduction of the rate of diseases leading to abrupt excretion of nutrients, minerals, vitamins and electrolytes, in combination with the healthy practices advice and minor curative health interventions, and improved nutrition. In the WASH context, this includes emphasizing safe food preparation methods (thermic) and use of covers to prevent access by vectors after preparation, safe food storage, handwashing before breastfeeding and after removing used diapers and cleaning the child, signs of acute watery diarrhea, signs of dehydration, preparation and administration of oral rehydration salts. The approach will include: - sensitizing on health risks from inadequate keeping of domestic animals and safe alternatives such as preventing access into the shelter and, immediate surroundings where women are feeding newborns

Activity 3.1.2
Standard Activity : Conduct community raising awareness activities (e.g. awareness sessions, campaign, IEC material printing etc.)

Training/ restructuring of the Community Health and WASH committees into Community Relief and Development (CRD) Committees for holistic perspective of the community Health, Nutrition, WASH and other key services
In the new set up, maintaining the separate Community Health Committees and WASH committees would mean supporting the work and managing coordination of multiple representative groups, which are supposed to produce integrated impact over a significant part of their respective scopes of work. In order to encourage integration and synergetic work effects, while maintaining flexibility in their respective fields, ARC will help train and structure/ restructure the former committees into the Community Relief and Development committees with the broader scope of work and a holistic look at the life of the community in terms of health, nutrition, WASH etc. ARC will help design the Terms of reference for the

Additional Targets :

M & R

Monitoring & Reporting plan

Detailed monitoring system and plan that includes methodology, calendars for monitoring activities and data collection tools will be designed at the initial stages of project implementation in consultation with target communities and stakeholders based on ARC experience and existing systems. The monitoring system should provide adequate information on progress against activities outputs, outcomes, and impact targets indicated in logical framework. The monitoring system should also provide information with regard to any development on identified assumptions and risks. Cross cutting issues such as analyzing gender and environment will be an essential aspect of M&E design, tools, analysis and reports. Methods for monitoring will include water supply, sanitation and hygiene indicators, results of focus group discussions and frequent field visits. In such a change context due to envisaged natural risks and hazards (e.g. floods), those may lead to displacement of target population; 6-month review is envisaged in coordination with partners and the donor based on data generated by the monitoring system, interviews, observation and focus group discussions to ensure flexible response in case such hazards arise. Evaluation will follow completion to assess achievements of outputs, outcomes, impact and draw lessons for future implementation for similar projects incorporating both qualitative and quantitative data to gain in-depth understanding of different project implementation processes.

The project will be managed on daily basis by teams based in ARC field office and Camp compound; field officers will be led by a project Managers who will in turn report to their respective line managers. ARC WASH Coordinator based in Nyala will be responsible for overseeing the implementation of the project and reporting to the donor. ARC Country MEAL Coordinator will be responsible for overseeing the monitoring and evaluation of the interventions being implemented. Finance manager will provide support and oversee project finances in coordination with ARC finance staff.

The WASH Coordinator (based in Nyala) and the Country Meal Coordinator (based in Nyala) will conduct field visits to the project sites in monthly bases to monitor progress on ground, the monitoring tools will be revised reinforced in consultation with Community, WES and SMOH to assure that central data are collected and easily analyzed. ARC will also organize monthly meetings with project staff at Nyala level for information sharing solving of unforeseen challenges. The Monitoring and Evaluation System within ARC will track progress in the implementation of activities of the project. Best practices and challenges from the project will be shared with the donor and relevant clusters coordination meeting and other events.

Workplan													
Activitydescription	Year	1	2	3	4	5	6	7	8	9	10	11	12
<p>Activity 1.1.1: Continue supporting the Kalma Camp WASH management committee to sustain the operation and maintenance of the eight existing motorized water systems and 10 hand pumps in Kalma IDP camp, sectors 4A, 4B, 8 and 9, serving a total of 60,249 , ARC Will provide fuel, lubricants, spare part and technical support and guidance while the community through the WASH Committee will manage day to day water system operation and maintenance including the water treatment and quality monitoring and surveillance .</p> <p>ARC will support the community to establish community financing system whereby community collect water users fee and invest the revenue in the operation and maintenance of the water system through purchasing of some fuel , lubricant s and engine oil , ARC will training the community committee in record keeping and like them with WES to monitor the user fee collection and expenditures, ARC will linked the beneficiates with the spare part supplies to purchase their spaceport needs in the future</p>	2018					X	X	X	X	X	X		
	2019	X	X	X	X	X							
<p>Activity 1.1.2: ARC will upgrade one high yield borehole from a hand pump-operated to a hybrid solar/ diesel – powered system in Kalma camp sector 4. A new submersible pump will be installed ,installed, the water system will be equipped with distribution networks, a 50 m3 water storage tank and other equipment. ,Kalma, Kalma camp, sector 4 is facing serious shortage of water, as the water coverage within the sector is 10 liters/p /d which is below the Sphere standards, Thestandards, The shortage of water is one of the key issues highlighted by the community during the recent community consultations conducted by ARC in December 2017. ARC conducted pumping test for one of the potential high yield hand pumps. The test results proved the potentiality of upgrading the hand pump to a water yard after a continuous pumping test for 72 hours. The average yield was 12m3 per hour , with only 2.4 meters drawn down in the static water level.</p> <p>To Ensure the sustainability of the activity ARC will support the community to establish community financing system whereby community collect water users fee and invest the revenue in the operation and maintenance of the water system , ARC will link the community with solar service and spare part provider for maintained any anticipated breakdown in the system</p>	2018							X	X	X	X		
	2019												
<p>Activity 1.1.3: ARC will conduct a biological test for fecal coliform bacteria to ensure the water is free from any harmful pathogens in collaboration with SMoH. ARC usually conducts a biological test for fecal coliform bacteria and chlorinates before rehabilitated water points are inaugurated for use by the community. A well-trained operator will conduct the chlorination process under direct supervision from ARC staff and ensure there is 0.2 – 0.5 mg/l free residual chlorine to prevent further contamination after collection. If at any time changes are noticed in water quality, or if there is a rapid increase in health related illnesses (diarrheas) among water users, further tests will be conducted. ARC will also monitor the water quality regularly during the rainy season to assess any contamination resulting from surface water percolation.</p> <p>Household water quality will be monitored through taking different water samples from households who will be selected randomly. If fecal contamination is observed, adequate measures will be taken such as disinfection of the water points and jerry can cleaningbe cleaning campaign. Household water quality will be linked with the original water source for further corrective measures. This will occur regularly through standard monitoring and evaluation procedures. Safe water chain training will also be provided to all WASH Committees through the CHPs</p> <p>Water quality monitoring method Water source to be monitored Frequency FRC level at the water points Existing water points Daily FRC level on a household level Sample from up to 10% of the target Households Weekly</p> <p>Bacteriological analysis for both water points and Household level All the water points/source & up to 10% of the Households. At water points PH and Turbidity as well - Monthly</p>	2018						X	X	X	X	X		
	2019	X	X	X	X	X							

<p>Activity 2.1.1: ARC will support the target community in construction and rehabilitation of 300 latrines through using CAT approach. The community will take the lead in designing an affordable sanitation solution, so that the design is replicable and affordable to the community. ARC will take into consideration community input into design of latrines that ensure privacy, dignity and security of women and children; and provide easy access for the pregnant women, elderly and people with disability. ARC will provide plastic sacks for stabilization of latrines for the most vulnerable people in the camp only, including the persons with disability, women headed households, elderly people, household headed by children. ARC technical staff will support communities with ideas on addressing technical difficulties using locally available resources, but will not prescribe standard latrine designs. This will include advice on designs in order to increase durability and reduce the probability of the collapse during the flash floods, and training of local mason in latrine construction techniques as well as linking their new skill sets to the community need/ demand. This will provide the masons with the capacity to provide their services to the community at a cost in the end. The positioning of latrines versus drinking water sources will be discussed during the triggering session as well. The activity will be closely monitored by the ARC hygiene and sanitation supervisors and lessons learned will be documented so that the activity can be implemented more widely in the future</p>	2018							X	X	X	X		
	2019	X	X										
<p>Activity 2.1.2: ARC will construct one final disposal sites in Kalma camp sector 8 the pits will be 10m length x 6 m width and 2m depth dimension the pits will be constructed from cement bricks. ARC will mobilize and sensitize the WASH Committee the community to provide/secure the land, safe guard and manage the disposal pits/sites The entire community of sector 8 will be mobilized to transport and dispose their garbage in to this disposal sites Further more ARC will conduct Environmental vector control through removal and elimination of garbage accumulations sites and destroying vector breeding habitats. In addition to Provide logistic and financial support to SMOH to conduct larvicide /and indoor residual spraying activities by SMOH in Kalma IDP camp, ARC will provide the fund will the SMOH will provide the chemical , protective clothes and necessarily technical and semiskilled workers</p>	2018							X	X	X	X		
	2019												

<p>Activity 3.1.1: Training manuals per combined TTC methodology, including PHAST and Baby WASH (Hygiene Promotion segment)</p> <p>These manuals will be designed through collaboration of the Health, Nutrition and WASH teams, focusing on coming up with a concerted effort to achieve the outcome described in detail above. Clearly, it is not realistic or feasible that a volunteer will internalize and be able to practice the full Hygiene Promoter, Community Health Promoter/Worker and Nutrition Volunteer as these curricula and work TOR are simply too expansive for one person (volunteer) to be able to practice on daily basis. Nevertheless, ARC specialists / practitioners in these three sectors agree that a common, synergetic service package can be developed using the elements of each of the three sectors. The resulting curriculum will constitute the content of the ARC Community Integrated HNW Training Manual.</p> <p>Trainings of HNW volunteers in the combined methodology developed in the HNW manual.</p> <p>The HNW Volunteers will be selected among the men and women, and adolescent boys and girls in the community with inclusion of the older people and individuals with special needs as appropriate in order to ensure provision of services to different audiences by their peers/ community members. ARC will also insure adequate representation of people from different settlement sectors and locations. Training methodology and approaches will include elements of the training curricula mandated by the respective clusters/ sectors. Under WASH, the focus will be on PHAST and Baby WASH. Upon successful completion of the training, attendants will be issued certificates of completion develop TORs with their supervisors and receive stationery, visibility items and in-kind incentives for their work. Weekly review of accomplishments will be a standard practice.</p> <p>Participatory hygiene assessment and mapping in collaboration with the HNW Committees.</p> <p>Participatory assessment of self-assessment is extremely important in helping the community leaders and volunteers understand the key hygiene and environmental risks and take ownership of the plans and activities necessary to build and sustain hygiene awareness, and keep the water and sanitation facilities clean and functional. This is the standard point of departure for community level hygiene per Global WASH Cluster Hygiene Promotion methodology (training manual). Upon completion of the interactive community hygiene mapping exercise, ARC team, CRD Committees and volunteers will develop the plan and time table of the community hygiene activities, services and events</p> <p>TTC through PHAST and Baby WASH in combination with the Health and Nutrition messaging.</p> <p>The ARC HNW teams will help pregnant women/ new mothers and their partners/ household members practice behaviors that are desirable at different stages, ranging from improving safety and health of the pregnant women and preparation for arrival of the child, support to new mother and newborn, through improving the behaviors and creating safer environment and practices during the first 1,000 days. In each step, ARC HNW team will provide a set of advices and actions towards reduction of the rate of diseases leading to abrupt excretion of nutrients, minerals, vitamins and electrolytes, in combination with the healthy practices advice and minor curative health interventions, and improved nutrition. In the WASH context, this includes emphasizing safe food preparation methods (thermic) and use of covers to prevent access by vectors after preparation, safe food storage, handwashing before breastfeeding and after removing used diapers and cleaning the child, signs of acute watery diarrhea, signs of dehydration, preparation and administration of oral rehydration salts. The approach will include: - sensitizing on health risks from inadequate keeping of domestic animals and safe alternatives such as preventing access into the shelter and, immediate surroundings where women are feeding newborns</p>	2018							X	X	X	X		
	2019												
<p>Activity 3.1.2: Training/ restructuring of the Community Health and WASH committees into Community Relief and Development (CRD) Committees for holistic perspective of the community Health, Nutrition, WASH and other key services</p> <p>In the new set up, maintaining the separate Community Health Committees and WASH committees would mean supporting the work and managing coordination of multiple representative groups, which are supposed to produce integrated impact over a significant part of their respective scopes of work. In order to encourage integration and synergetic work effects, while maintaining flexibility in their respective fields, ARC will help train and structure/ restructure the former committees into the Community Relief and Development committees with the broader scope of work and a holistic look at the life of the community in terms of health, nutrition, WASH etc. ARC will help design the Terms of reference for the</p>	2018							X	X	X	X	X	
	2019												
OTHER INFO													
<u>Accountability to Affected Populations</u>													

ARC consider the input of beneficiaries in all phases of the programming cycle and makes deliberate efforts to incorporate their views, concerns and feedback throughout the project period. This includes practical application of the principle of 'Do No Harm'. In practical terms, this is done by reaching out to the affected populations by ensuring that aid is given to the most vulnerable, keeping the target communities involved in the process and assisting the most vulnerable members of the different community/ethnic groups. This will ameliorate cohesion among the population's persons and increase the ownership of the programme, thus making sure that assistance received is not perceived negatively and not harming communities as a whole.

ARC will ensure that beneficiaries and other stakeholders have access to timely, relevant and clear information about the project and its activities through regular face to face meetings and feedback. Through their representatives, beneficiary communities will be involved in beneficiary selection, which will follow vulnerability criteria to be shared and agreed with them prior to the start of implementation. Separate meetings will be held for different gender and age groups and also for more vulnerable beneficiaries such as those with disabilities or the elderly who may not have been heard. In addition, various fora (meetings, community boxes, telephone lines etc.) will be availed for complaints and feedback on project activities. This is meant to allow beneficiaries to share their complaints and concerns and partners to respond to it. Community meetings, discussions and consultations regarding identification of affected communities, beneficiary selection and regular monitoring will allow feedback and input from the beneficiaries.

It is important to note that distributions will be set up in a way that will avoid any means of exploitation, dishonesty or coercion and females and males will be given appropriate times and locations to collect any assistance at safe places. Special consideration will be given to the distribution of aid to particularly vulnerable households, such as those headed by children, or with family members with disabilities. All distribution points will have clear visual depictions of the aid package on offer and beneficiaries will be notified in advance verbally about locations and times for distributions. This will enable those who may not be able to read signs or information to have access to the same information as those who are literate.

In addition, ARC will upgrade its community feedback and response mechanism through the introduction of a unique customer satisfaction approach called Kuja Kuja, that regards the service beneficiaries as customers and empowers them to state their rating of ARC services through a user-friendly Android-based tablet application. With 150,000 responses to date, Kuja Kua is posting the statistics of customer satisfaction online daily, visible to all, including donor representatives, authorities and customers/ beneficiaries themselves. This system, endorsed by UNHCR in Uganda and Rwanda, has helped ARC significantly, and will contribute to the strengthening of ARC services in Sudan, adding a unique aspect of Accountability to Assisted Persons (AAP) to our other tools, in accordance with the IASC guidelines on AAP. , ARC will continue to facilitate community consultation meetings to ensure active community participation, transparency and handling community feedback. This will also engage the community to understand the services available and increase demand and utilization of the available

Implementation Plan

ARC will implement the proposed activities in close collaboration with WES, SMOH, ensuring national guidelines for WASH are adhered to, ARC will conduct joint planning, supportive supervision and training in close collaboration with the line ministries (WES and SMOH) and HAC In order to ensure project ownership and sustainability, ARC will work with protracted IDPs community structures and host community including WASH Committees, local leaders, women and youth groups and community health promoters However ARC will train the existing WASH committee and engage them in the project implementation. ARC will sign Memorandum of understanding with them in which the role and responsibility of each party will be clearly articulated

ARC is implementing Integrated health, Nutrition and WASH projects in Kalma camp and it has already built strong coordination with local authorities, WES and HAC at state level and communities. Both WES and HAC are aware of the possibility of this new SHF funding and they believe it will contribute to the government's plan and objectives. ARC has been transparent in its all activities, budgets and plans that have helped to build relationship based on trust and transparency.

ARC will maintain coordination with other partners who are working in the Camp, namely: CARE, OFXAM, and IMC currently there are biweekly coordination mechanism leading by ARC in place where the partners share the progress, challenges, ways forwards and best practices collectively. ARC has ensured there will be no any overlap. ARC will also continue working with its partners very closely to promote community ownership and the sustainability of project achievements.

Coordination with other Organizations in project area

Name of the organization	Areas/activities of collaboration and rationale
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Environment Marker Of The Project

C+: High environmental impact with mitigation(ESSA or EIA & CEAP)

Gender Marker Of The Project

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

Justify Chosen Gender Marker Code

Traditionally, women and girls are responsible to fetch and collect water for their home use. They face risk of sexual violence as they go about their daily task of collecting water from outside their settlements or their living areas. Women and girls face similar risk also when they venture outside their living premises to relieve themselves due to lack of appropriate sanitation infrastructures. In addition to the risk of sexual violence, women and girls spend significant amount of time either traveling long distances or queuing for hours to collect water. Therefore, ARC will mitigate such risks, ease the burden on women and girls and ensure their privacy, safety, dignity and respect through maintaining water facilities, latrine constructions and/or rehabilitation. Latrine construction sites will be chosen based on accessibility, safety and privacy for women and other vulnerable groups. ARC works to improve the yield of the target water points to reduce the waiting time for women who have the responsibility of collecting water. Women are the main targets of the hygiene promotion activities by ARC with consideration to their child caring role and the important role they play in shaping the behavior and practices in the family.

Protection Mainstreaming

Behavioral protocols that should be followed are set out on the policy for employees, trustees, consultants, volunteers or others acting on its behalf includes respect to everyone as individual, avoiding taking an advantage of the power relations that exist between themselves and a child or vulnerable person, use of empowering language, respect of everyone right to personal privacy. Behavioral protocols also commit all in the organization to show understanding when dealing with sensitive issues including cultural differences and human diversity and to show neutrality and impartiality according to race, culture, age, gender, disability, religion, beliefs. ARC with this policy is committed to treat any accusation of abuse of children and adults with full seriousness and investigate the matter fully when reported. This also links with ARC CRM mechanism which protects those provide information of abuse by established safe communication channels including phone and email addresses. Beneficiaries will be selected through a participatory approach –ensuring fair representation of different vulnerable groups regardless of their tribes and ethnicities or gender and their fair access to services according to the identified needs to ensure fairness, dignity and DO NO Harm principles. Criteria for selection of beneficiaries will be socialized with communities and the opportunity provided to raise concerns or complaints on the selection process will be considered. ARC will be providing capacity building to the organization staff to ensure strengthened protection mainstreaming throughout the programme, with an emphasis on vulnerability analysis; training for staff and partner on the prevention of sexual abuse and exploitation and child safeguarding; protection of data and information; and mapping of services and integration of referral mechanisms. Targeting of beneficiaries will be based on needs and will give priority to the most vulnerable. Particular attention and assistance will be given to pregnant and lactating women and children. To ensure the protection of both men and women, and that all beneficiaries are able to access the intended assistance, appropriate distribution arrangements. Potential protection risks will be identified and monitoring of these will be embedded into program monitoring and post-distribution monitoring (PDM). A multi-channel feedback mechanism will be in place.

Country Specific Information

Safety and Security

ARC has policies and procedures in place for asset protection, evacuation and hibernation, in the event of reemerging conflict. ARC will continue to coordinate its activities and movements with the HAC, National Security (NS), African Union/UN Hybrid Operation in Darfur (UNAMID) and United Nations Department of Safety and Security (UNDSS). ARC has put in place contingency plans in each area prone to insecurity to avoid the interruption of activities in case of relocation of staff recruited from outside of the operational area. The contingency plan includes management structures by local staff in case of relocation of senior management staff. Some of the ARC local staff are very experienced and are able to maintain basic service delivery and implementation of activities with remote support from relocated senior staff

Access

ARC's experience gained over years of implementing humanitarian activities in East and South Darfur will enable it to access all targeted areas proposed in this project. Approval of technical agreements by SMOH and HAC state and federal levels has already been attained for ARC's access and implementation of activities in the proposed project sites. In order to mitigate security incidents that could negatively impact on ARC's routine program activities, ARC has recruited local staff who are residents of its targeted communities.

BUDGET

Code	Budget Line Description	D / S	Quantity	Unit cost	Duration Recurrence	% charged to CHF	Total Cost
1. Staff and Other Personnel Costs							
1.1	Country Director- International based khartoum	S	1	8,700.00	12	3.00	3,132.00
	<i>International position) Responsible of the Country office as a whole. 3 % charged to SHF (and unit cost includes salary and all benefits breakdown 1person *\$8700* 12 month *3%= \$3132</i>						
1.2	Country Program Manager - International based khartoum	S	1	5,300.00	12	4.00	2,544.00
	<i>(International position) Responsible of the Country office's program coordination and leadership as a whole. 4%charged to SHF (and unit cost includes salary and all benefits Country Program Manager (1) x \$5300x 12 months x 4%= \$2544</i>						
1.3	Finance controller - International based khartoum	S	1	5,000.00	12	3.00	1,800.00
	<i>The country finance controller (1) will oversee the finances for the entire country program. Other job responsibilities include providing oversight for state offices. The Finance Director will be work directly with the donor on finance matters and lead the programs donor specific financial reporting. This position will be funded at 3% for the duration of the project. Breakdown: (Contribution toward salary only and nothing toward benefits) Finance Controller (1) x \$5300 x 12 months x 3%= \$1908</i>						
1.4	Country Opertion manager - International based khartoum	S	1	5,300.00	12	3.00	1,908.00
	<i>The Operations Manager will oversee the country programs administration office and provide oversight for all procurements, warehousing and communication in country. This position will be charged to SHF at 3% for the duration of the project. Breakdown: (Contribution toward salary only and nothing toward benefits, since SHF fund is complementary ARC included the benefits in it's other grant e.g OFDA) Operations Manager(1) x \$5,300 x 12 months x 3%= \$ 1908</i>						
1.5	State Program Manager - International based Nyala	S	1	6,125.00	12	5.00	3,675.00
	<i>The State Program Manager (1) will lead and coordinate all activities in state , overseeing programs and support department functions. he will dedicate 5% of his time for the duration of the project. Breakdown unit cost included salaries and all benefits : State Program Manager(1) x \$6125x 12 months x 5%= \$3675</i>						
1.6	Country Meal Coordinator - International based Nyala	S	1	4,800.00	12	5.00	2,880.00

	<p>ID Item Line Description Unit Quantity Unit cost USD Duration Recurrence % charged to SHF Total Cost USD</p> <p>11 Solar pump for center fugal PS1800 –C5-J15 Set 1 18435 1 100% 18435</p> <p>2 Solar PV generator (array solar panel LC150W-P36) Set 1 14500 1 100% 14500</p> <p>3 Solar array panel structure manufacturing with steel materials. Stand 1 950 1 100% 950</p> <p>4 Solar items accessory (water probe sensor) Set 1 300 1 100% 300</p> <p>5 Solar steel galvanize pipe-ASTM type for riser head size 1.5 inch length 3m. No 15 96 1 100% 1440</p> <p>6 Cable wire size 16mm2 for solar pump connection and grounding earth. M 100 5 1 100% 500</p> <p>2 Follow meter for water counting with fitting Set 1 200 1 100% 200</p> <p>3 Solar protection wire with clamp Set 1 100 1 100% 100</p> <p>4 Hybrid diesel generator – P16.5 No 1 11153 1 100% 11153</p> <p>5 Solar power transformer to convert power from AC to DC size 2000W Set 1 255 1 100% 255</p> <p>6 Solar permanent protection fence. Site 1 6373 1 100% 6373</p> <p>7 Installation of 50 CUM water stoarge tank PCS 1 14469.45338 1 100% 14469.45338</p> <p>Total cost Sum 68675.45338</p>							
2.3	Water Qulaity Monitoring and surveillance	D	1	592.50	12	100.00	7,110.00	
	<p>No Item Unit Quantity Unit cost Total</p> <p>1 pool tester PCs 6 45 270</p> <p>4 Table chlorine 1.67 mg/tabe,6 Tin per cartoon CTN 6 220 1320</p> <p>3 Water quality reagents and consumables kits 51,380 5520</p> <p>Total USD 7110</p>							
2.4	Rehabilaition and replacement of 350 household latrines	D	350	99.20	1	100.00	34,720.00	
	<p>c Particulars Unit Quantity Rate USD % Amount in USD</p> <p>1 Bamboo Sheets with good texture ,Size 1.5 meter long * 2 height. PCs 3 8 100% 24.0</p> <p>2 Bamboo Sheets with good texture Size 0.8 meter long(Width) *2meter height PCs 1 6 100% 6.0</p> <p>3 Bamboo Sheets with good texture with Size 0.7 meter long * 2 height. PCs 1 3 100% 3.0</p> <p>4 Wood pole 2 inch dimeter *2.5 meter long) PCs 8 3 100% 24.0</p> <p>5 provision of empty jute sack PCs 4 2 100% 8.0</p> <p>6 provision of bamboo stick 4 meter long for erection the superstructure PCs 5 2 100% 10.0</p> <p>7 Cost of materials transportation Item 1 1 100% 1.2</p> <p>8 Plastic Rope Kg 0.3 2 100% 0.7</p> <p>9 Hand Washing facilities Ebrig Pcs 1 1 100% 0.7</p> <p>10 Hand washing soap CTN 1.3 13 100% 16.4</p> <p>11 Squat Hole Cover Pcs 1 5 100% 5.2</p> <p>Totoal cost in USD 99.2</p>							
2.5	Construction of solid waste final disposal sites	D	2	5,125.00	1	100.00	10,250.00	
	<p>SNO Particular Unit Quantity Unit cost % Total cost US\$</p> <p>1 Carry out digging of pits 6 m wide *10 m long*2 m depth m3 60 15 100% 900</p> <p>2 Cement 50 kg equivalent to Portland Bag 30 12.3 100% 369</p> <p>3 SSB Bricks with daimention 0.2*0.2*0.4 width, high and long PCE 1000 1.6 100% 1600</p> <p>4 Gravel 3/4 inch clean m3 2 70 100% 140</p> <p>5 Sand medium size clean m3 10 65 100% 650</p> <p>6 Water for construction and curing site 1 63 100% 63</p> <p>7 Labor cost for construction 1site @\$1403=\$1403 Site 1 1403 100% 1403</p> <p>Total 5125</p>							
2.6	Condcut intergarted vector constrol intervention	D	3	850.00	3	100.00	7,650.00	
	<p>Space Spray</p> <p>Particular Quantity Unit Cost Duration in days Total Amount USD</p> <p>Rent vehicle 2 37 4 296</p> <p>Incentive for sprayers 11 10 4 440</p> <p>Incentive for Supervisor form SMOH 3 9.5 4 114</p> <p>Total USD 850</p>							
2.7	Support Monthly debris clean up Campaigns activities in	D	1	1,163.00	12	100.00	13,956.00	
	<p>No Item Unit Quantity Unit cost % Total Cost</p> <p>1 Provision of new wheel barrows to WASH committee in South Darfur state pcs 10 60 100% 600</p> <p>3 Provision of Rakes WASH committee in South-Darfur state pcs 10 10 100% 100</p> <p>4 Maintenance of Wheel Barrow in South Dar fur State pcs 10 35 25% 88</p> <p>5 Maintenance of Shovels in South Dar fur State pcs 20 3 25% 15</p> <p>6 Maintenance of Rakes pcs 20 2 50% 20</p> <p>7 Powder soap Sack 20 7 100% 140</p> <p>8 Provision Soap to participants for Hand washing after Carry-out of the cleaning campaigns Carton 20 10 100% 200</p> <p>Total 1,163</p>							
2.8	Support the activities of hygiene promoters	D	90	80.00	1	100.00	7,200.00	

	Carryout hygiene promotion activities by equally selected male and female hygiene promoters (through house-to-house visit, general hygiene promotion campaigns, cleaning campaigns, and community dialog). Cost includes protective clothing, soap, CHP incentives, and donkey cart operators (to collect and transport the solid wastes) incentives.							
2.9	Training/ restructuring of the Community Health and WASH committees into Community Relief and Development (CRD) Committees for holistic perspective of the community Health, Nutrition, WASH and other key services	D	20	20.00	5	100.00	2,000.00	
	<p><i>No Description Unit Quantity Unit price Total price (USD)</i></p> <p>1 Facilitator Person 2 100 200</p> <p>2 Meals + refreshment Person 26 15 390</p> <p>3 Marker pen Box 1 2 2</p> <p>4 Clear bag Pcs 26 1 26</p> <p>5 Flip chart papers Pcs 4 12 48</p> <p>6 Pen box 0.5 6 3</p> <p>7 Note book pcs 26 0.8 20.8</p> <p>8 training banner pcs 1 10 10</p> <p>9 certificates Pcs 26 50 1300</p> <p>Total for one training 2,000</p>							
2.10	Community Feedback Accountability assistants	D	4	320.00	12	50.00	7,680.00	
	<p><i>This staff will help ARC to roll out of Kuja Kuja, a real time feedback system – designed and incubated by ARC – that tracks customer satisfaction with services and customer ideas for service improvement, reporting that data in real time. Kuja Kuja ensures that channels of communication with customers are open, welcoming, and transparent and with the introduction of the system</i></p> <p><i>Breakdown 4 people x 320 USD X 12 month x 50% = \$ 7680</i></p>							
2.11	Costruction of one water distribution point in sector 4	D	1	3,182.20	1	100.00	3,182.20	
	<p><i>"Item No." Description of work Unit Qty Unit price Total Cost</i></p> <p><i>NB. This is a full contract BOQ where bidder has to factor in costs for purchasing material, equipment, transport to site, installing/fixing them, labor and Government taxes where applicable. Decsription has to be read together with drawings and specifications which are provided together with this BOQ</i></p> <p><i>1 water points plateform.</i></p> <p><i>1.1 Dig 3 pit with daimsson 4 *2.5 *0.4 m lengh wide and thickness respectively and remove the soil away and settled with earth. M3 15.00 10 150.00</i></p> <p><i>1.2 Provide materials and labor cost to construct 3 red brick walls (4 m long by 2.5 m wide *0.8 m hight) foundation using brick and half (grade 1st class / #1) with Cement mortar 1:6 for 3 water ponits plateform . m2 50.00 25 1,250.00 provide materials and labor cost for construction plaint 3 concrete slabs w daimention 4m*2.5m *0.10 m length* width*thickness using mix ration 1:2:4 (cement: sand: garvel). M2 30.00 20</i></p> <p><i>1.3 provide materials and labor cost for plastering 3 walls with daimention 4m * 2.5 * 0.6 length, width and high in both sides and plateform surface. Using mixing ratio 1:8 (cement: Sand) m2 46.80 4 187.20</i></p> <p><i>2 Socky way pits -</i></p> <p><i>2.1 provide Construct trench of sock away pit filed with Brocken red brick with dimension 2m *2m *1 m ;wide ,long and depth respectively. PCs 3 130 390</i></p> <p><i>Constructio of fence with cement with dimention 6 m length x 4 m wide x 1.5 m elevate tp prevent animal and rodents to access the water distribution points PCs 1 965 965</i></p> <p><i>VAT 1 240 240</i></p> <p><i>Grand Total 3,182.20</i></p>							
2.12	SHF Grant Opening Meeting	D	1	1,555.06	1	100.00	1,555.06	
	<p><i>SHF Grant Opening meeting – \$1555.06 At the start, of grant / program a grand meeting will be organized to orient staff s on the project objective, indicators and detail implementing plan. Participants for all field location will participate in this meeting. Line departments' representative will also participate in grant opening meeting.</i></p> <p><i>Break down:</i></p> <p><i>Description Unit Quantity Unit Cost Days Total</i></p> <p><i>Hall Rent Hall 1 200 3 \$600.00</i></p> <p><i>Water/tea Person 15 5 3 \$225.00</i></p> <p><i>Lunch Person 15 10 3 \$450.00</i></p> <p><i>Visibility Banners PCs 2 25 1 \$50.00</i></p> <p><i>Stationary 1 70 1 \$70.00</i></p> <p><i>Transportation for coming and being back Person 8 10 2 \$160.00</i></p> <p><i>Total 1,555.06</i></p>							
	Section Total						180,106.71	
3. Equipment								
3.1	Purchase on laptop copumter to be used by program staff	D	2	1,200.00	1	100.00	2,400.00	

	<i>The money will be used to procure 2 laptop computers that will be used by the program staff in the three sectors. The items will be procured locally in Sudan at a rate of \$1200 per laptop = \$ 2400</i>							
	Section Total							2,400.00
4. Contractual Services								
NA	NA	NA	0	0.00	0	0	0.00	
	NA							
	Section Total							0.00
5. Travel								
5.1	Vehicle rent for program activities implemntaion - WASH	S	2	858.00	12	50.00	10,296.00	
	<i>2 vehicles will be used by WASH teams to implement activities and monitor the progress of activities from the base offices in Nyala ,</i>							
5.2	Travel expense	S	4	250.00	1	100.00	1,000.00	
	<i>Travel cost and from Khartoum to darfur air ticket, per dieam, taxi charges etc</i>							
	Section Total							11,296.00
6. Transfers and Grants to Counterparts								
6.1	Provide sub grant to Voluntary Organization for Humanitarian Assistance Program (ASSIST for Training of 70 hygiene promoters in kalma IDPs camp	D	70	20.00	4	100.00	5,600.00	
	<i>1 Training of 70 hygiene promoters in kalma IDPs camp in sensitization, raising the community awareness and scaling up the Sanitation and environmental health awareness for three days through using PHAST approaches. 70 4 20 100% 5,600.00</i>							
6.2	Provide sub grant to Voluntary Organization for Humanitarian Assistance Program for Guide and Monitoring of 70 hygiene promoters in kalma IDPs camp by Voluntary Organization for Humanitarian Assistance Program (ASSIST	D	70	25.00	4	100.00	7,000.00	
	<i>Guide and Monitoring of 70 hygiene promoters in kalma IDPs camp to conduct sensitization, raising the community awareness and scaling up the Sanitation and environmental health awareness through Conducting regular household hold vsist(as per the sector target , Hygiene sessions , hygiene campigns and etc 70 4 25 100% 7,000.00</i>							
6.3	Provide sub grant to by Voluntary Organization for Humanitarian Assistance Program to Provide one time inkind incentive for the 70 Hygiene promoters	D	71	21.00	4	100.00	5,964.00	
	<i>3.3 Provide one time inkind incentive for the 70 Hygiene promoters (soap, Suger and Tea) 71 4 21 100% 5964</i>							
6.4	Joint Monitoring Visit to the project sites	D	2	79.00	2	100.00	316.00	
	<i>Joint Monitoring Visit to the project sites 2 2 79 100% 316</i>							
6.5	Office runing cost for Voluntary Organization for Humanitarian Assistance Program (ASSIST	D	1	1,120.00	1	100.00	1,120.00	
	<i>Office running cost including vehicle , office rent , office supplies and utilities</i>							
6.6	Program support cost for Voluntary Organization for Humanitarian Assistance Program (ASSIST	D	1	20,000.00	1	7.00	1,400.00	
	<i>7% program support cost for local partner Voluntary Organization for Humanitarian Assistance Program (ASSIST Breakdown 1 time x \$20000\$ 7% = \$1400</i>							
	Section Total							21,400.00
7. General Operating and Other Direct Costs								
7.1	Guest House Supplies - Darfur	S	2	500.00	12	30.00	3,600.00	
	<i>Support is needed to provide supplies for guest houses in South This is a 10% monthly contribution toward GH supplies for the 2 bases for the duration of the project.</i>							
	<i>Breakdown : 1 x \$500x 12 months x 30% = \$3,600</i>							

