Coordination Saves Lives				Proiec	t Proposa					
Organization	FAO (Food & Agriculture Organization of the United	Nations)		- 8						
Project Title	Improving water supply availability to drought affected communities in Dollow, Baardheere and Garbahaarey districts, in Gedo Region, through identification of sustainable groundwater resources									
CHF Code	CHF-DDA-3485-746									
Primary Cluster	Water, Sanitation and Hygiene	Secondary Cluster	r							
CHF Allocation	Standard Allocation 1 (Feb 2015)	Project Duration	12 month	s						
Project Budget	200,000.00									
HRP Details	HRP Code SOM-15/WS/71454	HRP Budget	1,000,000	0.00						
	HRP Project Ranking A - HIGH	HRP Gender Mark	er							
Project Beneficiaries		Men	Women	Total						
	Beneficiary Summary	18,750	18,750	37,500						
		Boys	Girls	Total						
		18,750	18,750	37,500						
		Total		75,000						
	Total beneficiaries include the following:									
	Aid Agencies	200	0	200						
	Staff (own or partner staff, authorities)	20	0	20						
BACKGROUND INFORMATION	Telephone: +254204000000 E-mail: Hussein.Gad	ain@iao.org								
	The water supply situation in Somalia is poor, particu									
context: Give a specific description of the humanitarian situation in the arget region based on newest data available (indicate source) Maximum of 1500 characters)	water for domestic and livestock use. According to a to an improved source of water. As a result, the popu diseases associated to unsafe water and even exper one of the worst affected areas by re-current drough the recent past, resulting high costs for water provision of the worst affected areas by re-current drough the recent past, resulting high costs for water provision of the worst affected areas by re-current drough the recent past, resulting high costs for water provision of the worst affected areas by re-current drough the recent past, resulting high costs for water provision of the worst affected areas by re-current drough the recent past areas and the recent past areas areas and the recent past areas areas and the recent past areas areas areas and the recent past areas areas areas and the recent past areas ar	recent study by SWALIM, llation, particularly women rience sexual gender basec ts in the country. Rainfall pr on through long distance tr	FSNAU and UNICEF, and children live unde d violence as they sea erformance has been ucking.	71% of the Somali popul er harsh conditions which rch for water. Gedo Regi below average for many	lation have no acces expose them to on in south Somalia parts of the region ir					
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GP e done to existing water s a water sample will be ta ent "Area to be Investigat di therpretation will be ta ent "Area to be Investigat di therpretation of resistivith ter resources database a	lation have no acces expose them to on in south Somalia parts of the region in s limited geological a cate areas where gc sensing analysis the mmendation for furt at 54.8% of resident es such as berkads of water. Many water e drinking water for t investigations help t the communities. ALIM continues to LIM supports the are used to develop er emergencies in M supports the are used to develop er emergencies in and the hydrogeologi I working group looki restigation for Ceel I working group looki restigation for Ceel and Garbahaarey al maps, existing rzed to provide basic port and used to pla stigations will be don PS Coordinates, Pho sources in the three ge, ownership, and aken for each source ted"					
context: Give a specific description of the humanitarian situation in the target region based on newest data available (indicate source) (Maximum of 1500 characters) 2. Needs assessment. Describe the capacities in place, then lidentify the gaps (previous and new). Explain the specific needs of your target group(s) in detail. State how the needs assessment was conducted (who consulted whom, how and when?). List any baseline data 3. Activities. List and describe the activities that your organization is currently implementing to address these needs LOGICAL FRAMEWORK Objective 1 Outcome 1 Activity 1.1 Activity 1.2 Activity 1.3	water for domestic and livestock use. According to a to an improved source of water. As a result, the popu diseases associated to unsafe water and even experone of the worst affected areas by re-current drough the recent past, resulting high costs for water provisi Gedo Region relies more on groundwater resources, hydrogeological information to guide extraction of groupality water can be tapped. A recent study by Gedo many of the aquifers in the region have medium pole hydrogeological sinceys. A rapid assessment carried in some districts of Gedo did not have any access to and shallow wells which dry out soon after the rains 1 sources do not also provide safe drinking water, thus communities in Dollow and Garbahaarey districts the locate aquifers with sustainable amounts of good quartifies with sustainable amounts of good quartifies with sustainable amounts of Qood quartifies with sustainable amounts of Qood quartifies outlingency and response plans, and in-depth analy somalia. Major activities include assessment of rural survey and assessment of selected areas in Gedo Regio Waaq District of Gedo Region which is similar to whe FAO Somalia risk management framework which will Water availability increased through guided borehole Potential groundwater zones identified with good acc districts of Gedo region .	recent study by SWALIM, ulation, particularly women ience sexual gender based ts in the country. Rainfall pronthrough long distance through long distance through torehol apart from the communitie oundwater through borehol Technical Working Group initial. The study however run water sources. Majority of forcing people to travel long exposing the communities are is great need for geolog ality water for drillers and in omalia Water and Land Infor malia Water and Land Infor is and projections of unde sis and projections of unde is and urban water supply, s and and Puntland. SWALIM is ut is proposed for this proje I be adjusted during implen e drilling using up to date hy curacy to support drilling of Dollow, Garbahaarey and di maps, water quality reco he three districts. Findings or the Hydrogeological data es, static water level, yield ard data collection forms. A s study area are available ir al hydrogeology and geoph hysics data interpretation a commendations for drilling.	FSNAU and UNICEF, and children live unde d violence as they sea erformance has been ucking. Is living along the Jub e drilling. Investigation of the WASH cluster i lied on limited availal arts of the region in Ft the villages depend o g distances (between to health problems. ical and hydrogeologi tervening agencies to irmation Managemen ponse, early warning a nds on flood and drou- rlying climatic and ecc everal inventories of 6 is also active memb ndertaking a geophys ct. Risk and mitigation entation. drogeological informa- sustainable boreholes for this review will be p and Baardhere districts: T rds, etc. The available of this review will be p and Baardhere districts/ fertical Electrical/IP S collection visits will b basic water quality (I t least one photo and the attached docum- ysics data analysis ar and analysis will includ A detailed ground wa	71% of the Somali popul er harsh conditions which rch for water. Gedo Regi below average for many a River. However there is is needs to be done to lo dentified through remote oble data, and gave a recc bebruary 2014 identified th n un-reliable water sourc 1 and 50 Km) is search c To improve access to safi cal investigations. These e stablish boreholes for t t - SWALIM Project. SWA and preparedness. SWAL ught prone areas, which a ological factors that trigge trategic water sources, a er of the WASH technical ics and hydrogeology invin measures for this project ation s in Dollow, Baardheere a his includes topographic. e information will be analy presented in an interim re coundings technology. GP e done to existing water s a water sample will be ta ent "Area to be Investigat di therpretation will be ta ent "Area to be Investigat di ter resources database a	lation have no access expose them to on in south Somalia parts of the region in s limited geological a cate areas where go sensing analysis that mmendation for furtl at 54.8% of resident the such as berkads of water. Many water e drinking water for t investigations help t the communities. ALIM continues to LIM supports the are used to develop er emergencies in and the hydrogeologi I working group looki restigation for Ceel ct will follow the over and Garbahaarey al maps, existing rzed to provide basic port and used to pla stigations will be don Sources in the three ge, ownership, and aken for each source ted"					

	Indicator	Water, Sanitation and Hygiene														
	Indicator 1.2	Water, Sanitation and Hygiene		Number of sites	nvestigated for groundwater potential											20
	Indicator 1.3	Water, Sanitation and		Hydrogeology an recommendation	technic	chnical report with drilling								1		
Outcome 2		пудієне														
Activity 2.1																
Activity 2.2																
Activity 2.3																
Indicators for outcome 2		(Cluster	1	ndicator des	cription							Tar	get		
	Indicator 2.	1														
	Indicator 2.2	2														
	Indicator 2.3	3														
Outcome 3																
Activity 3.1																
Activity 3.2																
Activity 3.3																
Indicators for outcome 3		(Cluster	1	ndicator des	scription							Tar	get		
	Indicator 3.	1														
	Indicator 3.2	2														
	Indicator 3.3	3														
WORK PLAN																
	selected site geophysical	 / districts in consultation wi s; Compilation of a detailed investigation logs, layers re the WASH cluster and prov- uster. 	d ground esistivity	d water resources y, groundwater po	database an tential maps a	d technical repo and recommend	rt and a ed drillin	ccom	ipany orma	tion.	nform FAO	ation SWA	pro	ducts in will co	nclu Ilab	ding orate
Project workplan for activities defined in the	Activity De	scription					Month 1-2		onth 3-4	M	onth 5-6	Мо	nth 7-8	Mont 9-1		Month 11-12
Logical framework	Baardhere d geological re to provide ba	ity 1.1 Review of existing secondary data and resources for Dollow, Garbahaarey and here districts: This includes topographical maps, existing studies, existing borehole logs, gical reports and maps, water quality records, etc. The available information will be analyzed vide basic understanding of groundwater resource situation in the three districts. Findings of view will be presented in an interim report and used to plan and guide the actual field ys.														
	Baardhere d Garbahaarey Coordinates, data collectio collected on usage, owne forms. At lea	vity 1.2 Geophysical and Hydro-geological field data collection in Dollow, Garbahaarey and there districts: The geophysical investigations will be done at 20 sites (5 in Dollow, 10 in ahaarey and 5 in Baardnere districts) using Vertical Electrical/P Soundings technology. GPS dinates, Photos etc of the investigation sites will also be collected. For the Hydrogeological collection visits will be done to existing water sources in the three districts and information ted on GPS co-ordinates, static water level, yield, basic water quality (EC, PH, TDS), water e, ownership, and other parameters specified in the SWIMS field standard data collection is. At least one photo and a water sample will be taken for each source visited for detailed atory analysis. Details on the study area are available in the attached document "Area to be tiretod".							х		х		x		×	
	Data analysis and interpreta and interpretation will be do geophysics data interpretation of groundwater availability resources database and ter products including raw and pr s, proposed drilling depths, e	one, and on and and and and and on and and on and and on and and on and on and on and on and on and on and and and and and and and and and and	presentation on the nalysis will include of and recommendati eport will be compile	findings done generation of r ons for drilling ed with accomp	to the WASH esistivity curves . A detailed panying										>	
M & E DETAILS																
Activity Description				M & E Tools to u	ISE	Means of	1	_	h (s) 3	whe 4	n pla 5 (_	done 11 12
-						verification									_	
Activity 1.1 Review of existing secon and Baardhere districts: This includes borehole logs, geological reports and information will be analyzed to provide situation in the three districts. Findings report and used to plan and guide the	topographical m maps, water qua basic understa s of this review w	naps, existing studies, existin ality records, etc. The availab nding of groundwater resourd vill be presented in an interim	lg ble ce	- Other		Database, maps and interim repo		x								
Garbahaarey and Baardhere districts: sites (5 in Dollow, 10 in Garbahaarey a Electrical/IP Soundings technology. G sites will also be collected. For the Hy existing water sources in the three dis ordinates, static water level, yield, bas ownership, and other parameters spec forms. At least one photo and a water	le actual field surveys. o-geological field data collection in Dollow, s: The geophysical investigations will be done at 20 y and 5 in Baardhere districts) using Vertical GPS Coordinates, Photos etc of the investigation lydrogeological data collection visits will be done to istricts and information collected on GPS co- asic water quality (EC, pH, TDS), water usage, ecified in the SWIMS field standard data collection er sample will be taken for each source visited for on the study area are available in the attached		ion ne to ction for	- Data collection - GPS data - Photo with or with - Survey - Verification	out GPS data	: GPS data investigated for borehole drilling in Garbahaarey in Dollow and 5 Baardheere districts); hydrogeology d collected on exi water sources in three districts						x	x			

Activity 1.3 Data analysis and interpretation: Preliminary and final hydrogeology and geophysics data analysis and interpretation will be done, and presentation on the findings done to the WASH Cluster. The geophysics data interpretation and analysis will include generation of resistivity curves and estimation of groundwater availability, depths and recommendations for drilling. A detailed ground water resources database and technical report will be compiled with accompanying information products including raw and processed data on hydrogeology and geophysics investigations, proposed drilling depths, etc.

Organization

GIS datab
study repo
proposed depths for invesitage

- Other

Activity

Coordination with other

Organizations in project area		a														
Organizations in project area			1. W	ASH Cluster	Identification of investigation sites and updating of hydrogeology data											
				2. Somali Government Coordination of field surveys												
				istrict administrations	Field data colle		-									
4. Gedo Technical Worki Group					Preliminary and	alysis for gro	oundwater	potential cla	ssification in	Gedo region						
Gender theme s	upport		Yes													
Outline how the project supports the gender theme difficult and requires extensis culture, participation of wom gender. Women and childre and reducing the time spent economic activities where m				e and long trave n in this activity are mostly affe earching for wa	el distance is not fore cted by lac ater. On the	s with tea seen. The k of wate	ms in many e project wil r, and the re	cases spe Il ensure all esults of this	nt the nights awa data collected in s study will impro	ay from their fami the field is dis-a ove their lives by	ilies. Given the ggregated ac increasing wa	e Somali cording to ater availat				
Select (tick) activities that supports the gender theme		ipports		Activity 1.1: Review of e existing studies, existing b understanding of groundw guide the actual field surve	orehole logs, ge ater resource sit	ological rep	orts and m	naps, water q	uality record	ds, etc. The availat	ole information will	be analyzed to	provide ba			
				-	-	logical field	data collo	ation in Dolla	Corbobo	aroy and Baardha	ro districto: Tho as		otigations y			
				Activity 1.2: Geophysical and Hydro-geological field data collection in Dollow, Garbahaarey and Baardhere districts: The geophysical investigations of be done at 20 sites (5 in Dollow, 10 in Garbahaarey and 5 in Baardhere districts) using Vertical Electrical/IP Soundings technology. GPS Coordinates, Photos et of the investigation sites will also be collected. For the Hydrogeological data collection visits will be done to existing water sources in the thr districts and information collected on GPS co-ordinates, static water level, yield, basic water quality (EC, pH, TDS), water usage, ownership, and other parameters specified in the SWIMS field standard data collection forms. At least one photo and a water sample will be taken for each source visited for detailed laboratory analysis. Details on the study area are available in the attached document "Area to be Investigated"												
				Activity 1.3: Data analys presentation on the finding estimation of groundwater compiled with accompanyi depths, etc.	s done to the W availability, dep	ASH Cluste ths and reco	er. The geo	physics data ions for drillir	a interpretationg. A detaile	on and analysis wi d ground water res	Il include generati sources database	on of resistivity and technical r	curves and eport will b			
BUDGET																
A:1 Staff and	1.1 Intern	ational S	taff													
Personnel Costs	Code	Budget L	ine D	escription		Units	Unit Cost	Duration	TimeUnit	Amount(USD)	Organization	CHF	%charged CHF			
	1.1.1	Hydrog	eologi	st Team Leader		1	9000	2	Month	18,000.00	0.00	18,000.00				
	1.1.2	Geophys	sist			1	6750	2	Month	13,500.00	0.00	13,500.00				
	1.1.3															
	1.1.4															
	1.1.5															
	1.1.6															
	1.1.7															
	1.1.8															
	1.1.9															
	1.1.10															
				Subtotal					-	31,500.00	0.00	31,500.00				
	Budget N	arrative:														
	1.2 Local															
	Code	Budget L	ine D	escription		Units	Unit Cost	Duration	TimeUnit	Amount(USD)	Organization	CHF	%charged CHF			
	1.2.1	Nationa	l Cons	ultant - Hydrologist		1	3000	3	Month	9,000.00	0.00	9,000.00				
	1.2.2	Nationa	l Cons	ultant - GIS Officer		1	3000	3	Month	9,000.00	0.00	9,000.00				
			l Cons	ultant Danata Canaina Off		1	3000	3	Month	9,000.00	0.00	9,000.00				
	1.2.3	Nationa	COIIS	ultant - Remote Sensing Off	icer	=										
	1.2.3 1.2.4			ultant - Remote Sensing Off		1	2000	3	Month	6,000.00	0.00	6,000.00				
							2000	3	Month	6,000.00	0.00	6,000.00				
	1.2.4						2000	3	Month	6,000.00	0.00	6,000.00				
	1.2.4 1.2.5						2000	3	Month	6,000.00	0.00	6,000.00				
	1.2.4 1.2.5 1.2.6						2000	3	Month	6,000.00	0.00	6,000.00				

		Sub Total					33,000.00	0.00	33,000.00	
	Budget N	larrative:								
B:2 Supplies, Commodities,	Code	Budget Line Description	Units	Unit Cost	Duration	TimeUnit	Amount (USD)	Organization	CHF	%charged t CHF
Materials	2.1.1									
	2.1.2									
	2.1.3									
	2.1.4									
	2.1.5									
	2.1.6									
	2.1.7									
	2.1.8									
	2.1.9									
	2.1.10									
		Sub Total					0.00	0.00	0.00	
	Budget N									
C:3 Equipment	Code	Budget Line Description	Units	Unit Cost	Duration	TimeUnit	Amount(USD)	Organization	CHF	%charged CHF
Equipment	3.1.1	Hydrogeological and IT equipment	2	5000	1	One time	10,000.00	0.00	10,000.00	
	3.1.2									
	3.1.3									
	3.1.4									
	3.1.5									
	3.1.6									
	3.1.7									
	3.1.8									
	3.1.9									
	3.1.10									
		Sub Total					10,000.00	0.00	10,000.00	
	Budget N	larrative:								
D:4 Contractual	Code	Budget Line Description	Units	Unit Cost	Duration	TimeUnit	Amount(USD)	Organization	CHF	%charged CHF
Services	4.1.1	Hydrogelogical field survey contract	1	80000	1	Lumpsum	80,000.00	0.00	80,000.00	
	4.1.2	Laboratory testing of water samples	60	100	1	Lumpsum	6,000.00	0.00	6,000.00	
	4.1.3	Presentation of survey results in Mogadishu and Nairobi	2	885	1	Day	1,770.00	0.00	1,770.00	
	4.1.4									
	4.1.5									
	4.1.6									
	4.1.7									
	4.1.8									
	4.1.9									
	4.1.10									
		Sub Total					87,770.00	0.00	87,770.00	
	Budget N	larrative:								
E:5 Travel	Code	Budget Line Description	Units	Unit Cost	Duration	TimeUnit	Amount(USD)	Organization	CHF	%charged CHF
	5.1.1	Vehicle rental for field survey	2	120	60	Day	14,400.00	0.00	14,400.00	
	5.1.2	Freight and transport	1	1000	1	Trips	1,000.00	0.00	1,000.00	
	5.1.3	Transport for water samples to Nairobi	1	3000	1	Trip	3,000.00	0.00	3,000.00	
	5.1.4									
	5.1.5									

		1				1	1	1					1				
	5.1.7	_															
	5.1.8																
	5.1.9																
	5.1.10																
			Su	ıb Total								18,400.0	0	0.00	18,400.00		
F:6 Transfers	Code	Budget Line D)escrij	ption			Units	Unit	Duration	n Tim	eUnit	Amou		nization	CHF	%charg	ged t
and Grants to Counterparts		Money vendo	r cost				1	Cost 245.65		1 one	time	(USI 245.6		0.00	245.65	CHF	
	6.1.2			-													
	6.1.3																
	6.1.4									_							
	6.1.5																
	6.1.6																
	6.1.7																
	6.1.8									_							
	6.1.9																
	6.6.10		_							_							
			Su	ub Total								245.6	55	0.00	245.65		
	Budget I	Narrative:															
G:7 General Operating and Other	Code		et Line Description				Units	Unit Cost	Duratior			Amou (USI	0)	nization CHF		%charg CHF	jed 1
Direct Costs	7.1.1	Stationary a	nd off	ice materials			1	500	3	Mont	h	1,500.0	0	0.00	1,500.00		
	7.1.2	Office Rent					1	1000	3	Mont	h	3,000.0	0	0.00	3,000.00		
	7.1.3	Communicati	on				1	500	3	Mont	h	1,500.0	0	0.00	1,500.00		
	7.1.4																
	7.1.5																
	7.1.6																
	7.1.7																
	7.1.8																
	7.1.9																
	7.1.10																
			S	ub Total								6,000.0	0	0.00	6,000.00		
	Budget I	Narrative:															
				TOTAL								186,915.65	(0.00	186,915.65		
H.8 Indirect	Code	Budget Line D)escrij	ption								Amount(USD)	Organiz	ation	CHF	%charg CHF	ed to
Programme			I Indirect Programme Support Costs									0.00		0.00	13,084.35		7.00
Programme	8.1.1	Indirect Prog	ramm	e Support Costs											200,000.00		
Programme Support	8.1.1	Indirect Prog		e Support Costs			-					186,915.65		0.00	200,000.00		
Programme Support Costs		Indirect Prog										186,915.65		0.00	200,000.00		
Programme Support Costs	es of funds			GRAND TOTAL	%							186,915.65		0.00	200,000.00		
Programme Support Costs		otion			% 0.00							186,915.65		0.00	200,000.00		
Programme Support Costs	es of funds Descrip	ation		GRAND TOTAL								186,915.65		0.00	200,000.00		
Programme Support Costs	es of funds Descrip Organiz	ation		GRAND TOTAL Amount 0.00	0.00							186,915.65		0.00	200,000.00		
Programme Support Costs	Descrip Organiz Commu	ntion zation unity		Amount 0.00 0.00	0.00							186,915.65		0.00	200,000.00		
Programme Support Costs	os of funds Descrip Organiz Commu CHF	ntion zation unity Donors		Amount 0.00 200,000.00	0.00							186,915.65		0.00	200,000.00		
Programme Support Costs	os of funds Descrip Organiz Commu CHF	ntion zation unity Jonors	a)	Amount 0.00 200,000.00 0.00	0.00							186,915.65		0.00	200,000.00		
Programme Support Costs Other source	es of funds Descrip Organiz Commu CHF Other D	ntion zation unity Jonors	a)	Amount 0.00 200,000.00 0.00 0.00	0.00							186,915.65		0.00	200,000.00		
Programme Support Costs Other source	es of funds Descrip Organiz Commu CHF Other D	ntion zation unity Jonors	a)	Amount 0.00 200,000.00 0.00 0.00	0.00 0.00 100.00	Activity	Ben	eficiary De	scription				Latitude	Longitu		le	
Programme Support Costs Other source LOCATIONS Region Dis	Descrip Organiz Commu CHF Other D TOTAL	ntion ration unity Donors	a)	CRAND TOTAL Amount 0.00 200,000.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 100.00	Activity	ļ	eficiary De				Number			ide P.Cod	e 05-R07-	011
Programme Support Costs Other source Other source Region Dis Gedo	Descrip Organiz Commu CHF Other D TOTAL	vtion ration unity Donors	a)	CRAND TOTAL Amount 0.00 200,000.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 100.00	Activity	Rura		n women ar			Number 25000	Latitude	Longitu	ide P.Cod		

DOCUMENTS

Document Description

Areas to be Investigated
 BOQ Hydrogeology and IT Equipment

3. Direct Costs