

BOQ FOR BOREHOLE REHABILITATION , Depth= meters

project:Global Famine Prevention and Response

Location: Sallay Village

Village Head : Hassan Contact Number Tel:4068319

N:B: Do site Visit before you fill Below Boq

Borehole Rehabilitation in Salay



No	Description	Unit	QTY	Rates (\$)	Amount (\$)
1	<u>Excavation and Disilting of Spring water source:</u> Excavation of existing spring water source to depth Average of 5m (the work will take a huge labor from the community using for disilting and excvaton, kindly visit the site so you could able to assess the work	lms	1.00		
2	<u>Excavation and back filling of pipelines</u> :Excavate all pipe lines 0.4m wide and 0.6m deep and 400m from the pipe line to the kiosk in the Center of the village, including Bedding for pipes for the small valleys excavation should be 1.1m deep, give the necessary compaction (use hydraulic excavators where necessary	CUM	96		
3	<u>Pipe work:</u> provide and install a 2" inch diameter of 400m GI class B from the elevated pipeline to kiosk in the town with necessary valves and Concrete clips. Construct concrete columns to parts crossing the valleys. The system should include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of stop cocks where required	LM	400		
4	<u>Water points (kiosks)</u> :Construction of 1 Community water points adjacent to existing water kiosks inside the town (This is consist of 2.5x2.5meters Rooms with 1 Door ,1 window , soak pit, catchment pit.) as per the attached Typical drawing	LS	1		
5	<u>Solar rehabilitatoin</u> : rehabilitate Technical problems for the solar already installed including cable and electric rectification	ls	1		
6	<u>installation of 2 inch sized stop cocks and other piping accesories</u> :install 2 inch sized stop cocks connecting to water pipeline where required in water tank , kiosks ,school and animal troughs with pipe replacemnets include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of pipeline accessories where it is required	ls	1		

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7	Visibility: Provide and fix a good visibility on water kiosk and Room walls of both sides with a dimension (1.2 Mx1M) for a blue and white color indicating the project information such as project name, organizational name,donar name, date of starting, date of completion, project cost etc in 2 colors as prer given sample .	lumpsum	1.00		
	sub-total				

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BOQ FOR BOREHOLE REHABILITATION , Depth= meters

project:Global Famine Prevention and Response

Location: Bulahar Village

Village Head : Daa'uud Contact Number Tel:4093062

N:B: Do site Visit before you fill Below Boq

Borehole Rehabilitation in Bulahar

No	Description	Unit	QTY	Rates (\$)	Amount (\$)
1	Excavation and back filling of pipelines :Excavate all pipe lines 0.4m wide and 0.6m deep and 465m from elevated water tank to the kiosk in the Center of the village, including Bedding for pipes for the small valleys excavation should be 1.1m deep, give the necessary compaction (use hydraulic excavators where necessary	CUM	112		
2	Pipe work: provide and install a 2" inch diameter of 465m PVC High pressure with Good quality from the elevated water tank to kiosk in the town with necessary valves. Construct concrete columns to parts crossing the valleys. The system should include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of stop cocks where required	LM	465		
3	Excavation and back filling of pipelines :Excavate all pipe lines 0.4m wide and 0.6m deep and 150m from Existing water tank to the MCH, including Bedding for pipes for the small valleys excavation should be 1.1m deep, give the necessary compaction (use hydraulic excavators where necessary	CUM	36		
4	Pipe work: provide and install a 2" inch diameter of 150m Pvc High pressure of good quality from the elevated water tank to MCH in the town with necessary Accessories. Construct concrete columns to parts crossing the valleys. The system should include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of stop cocks where required	Lm	150		
5	Water points (kiosks) :Construction of 2 Community water points adjacent to existing water kiosks inside the town (This is consist of 2.5x2.5meters Rooms with 1 Door ,1 window , soak pit, catchment pit.) as per the attached Typical drawing	LS	2		

6	Water tank: Renovate existing elevated water tank by fixing visible cracks, plastering and replacing existing damaged pipes and also finishing with color of blue and white With Visibility as per the direction of an engineer	ls	1		
7	Fencing around Existing water tank: 1. Supply and install(40m*40m area) mesh wire fence wall with 2inch angle bar spacing 2meters c/c and height of 3m(50cm shall go beneath earth) The angle bars shall be fixed with a mass concrete footing having dimension of 0.3m*0.3m*0.5m 2. provide and fix Steel box gate of 1 meter wide and 2.5 m high fabricated from complete with all iron mongery and locking devices: including one coat of primer and two coats of approved paint. and Price to be included all necessary tools and accessories for installing the fence wall.	lumpsum	1		
8	Visibility: Provide and fix a good visibility on water kiosk and Room walls of both sides with a dimension (1.2 Mx1M) for a blue and white color indicating the project information such as project name, organizational name, donor name, date of starting, date of completion, project cost etc in 2 colors as per given sample .	lumpsum	1.00		
	sub-total				

BOQ FOR SHALLOW REHABILITATION , Depth=9 Meters

project:Global Famine Prevention and Response

Location: Boodaale village

Community Member: Hassan

Contact Number Tel:4812295



N:B: Do site Visit before you fill Below Boq

shallow well Rehabilitation in Boodaale

No	Description	Unit	QTY	Rates (\$)	Amount (\$)
1	Excavation and Disilting: Excavation of existing shallow well to depth Average of 5m with 2 diameter of 14 Concrete Rings ,price includes if pump is needed for water withdrawal	CUM	40.00		
2	Cover Slab: Cast and construct cover slab of RCC of class 20 of mix ratio 1:2:4 , the dimensions slab are (2.5x2.5) and 20cm thickness reinforced with steel bars of 12mm diameter in both sides and spacing 15cm c/c.	Cu.m	1.50		
3	Water Tank: Provide and install 6 cum(30 barrells) capacity made of fiber tank with steel structure framed tower bedding in ground with concrete footings of dimensions (50x50cm) (hieght is 4 m 1 under the ground while 3 meters are above the ground)	lsm	1		
4	Excavation and back filling of pipelines : Excavate a pipe lines 0.4m wide and 1.1m deep and 60m from the shallow well to elevated water tank, give the necessary compaction (use hydraulic excavators where necessary	CUM	26		
5	Pipe work: provide and install a 2" inch diameter of 350m GI class B from the from the shallow well to elevated water tank with necessary valves and concrete clips where the pipe is laying above the ground. Construct concrete columns to parts crossing the valleys. The system should include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of stop cocks where required	LM	350		
6	Water points (kiosks) : Construction of 1 Community water points adjacent to existing water kiosks inside the town (This is consist of 2.5x2.5meters Rooms with 1 Door ,1 window , soak pit, catchment pit.) as per the attached Typical drawing	LS	1		
	sub-total				
	Solar installation System				

1	Supply and fix Submersible Compact submersible Solar Borehole pump Type SPA-3A-15 , 1.1 KW with its pump controller .See information with attacehd sheet From Grundfos manufacturer company	No	1		
2	Provide and Install GI rising pipes 2 inch class C with complete fittings	NO	2		
3	Mono crystalline solar modules: 200W, 12Volt high effeciency	No	8		
4	Well probe sensor with plugs	No	1		
5	1.5 sqmm 2-core cable for well probes	roll	1		
6	Solar Mounting Structure: steel ground mount structure as instructed by the Engineer	No	1		
7	PV disconnect Switch 1000 V/40A	No	1		
8	pump cable 4 core 6mm2 pure copper	LM	220		
9	Water level sensor	pc	1		
10	Water level sensor cable 1.5mm2 2core pure copper	roll	1		
11	Surge Protector	No	1		
12	63A Manual Change-over Switch	No	1		
13	Wire 10mm	LM	100		
14	Accessories	lms	1		
15	solar Installation cost	No	1		
pipe line sub total					
Solar installation fencing					
1	Cast and contruct plain concrete base for the each panel. The dimension of base will 0.3mx0.3mx0.5. excavation for this base includes the price	cum	3		
2	Fencing: 1.Supply and install 10m*20m area) mesh wire fence wall with 2inch angle bar spacing 2meters c/c and hieght of 3m(50cm shall go beneath earth) The angle bars shall be fixed with a mass concrete footing having dimension of 0.3mx0.3mx0.5m 2. provide and fix Steel box gate of 1 meter wide and 2.5 m high fabricated from complete with all iron mongery and locking devices: including one coat of primer and two coats of approved paint. and Price to be included all nessecary tools and accessories for installing the fence wall.	lumpsum	1		
3	Visibility: Provide and fix a good visibility on kiosk and Room walls of both sides with a dimension (1.2 Mx1M) for a blue and white color indicating the project information such as project name, organizational name,donar name, date of starting, date of completion, project cost etc in 2 colors as prer given sample .	lumpsum	1.00		
pipe line and solar installation system sub total					
Grand total					

project:Global Famine Prevention and Response

Location: Ceel-lahelay village

Community Member: Hiba Jama Hussien

Contact Number Tel:4158167



N:B: Do site Visit before you fill Below Boq

Borehole Rehabilitation in Ceel-lahelay

No	Description	Unit	QTY	Rates (\$)	Amount (\$)
1	Excavation and back filling of pipelines :Excavate all pipe lines 0.4m wide and 0.6m deep and 120m from the Borehole to the kiosk in the Center of the village, for the small valleys excavation should be 1.1m deep, give the necessary compaction (use hydraulic excavators where necessary	CUM	29		
2	Pipe work: provide and install a 2" inch diameter of 120m GI class B from the Borehole with necessary valves and concrete clips. Construct concrete columns to parts crossing the valleys. The system should include all fittings(Tees, Sockets , gate valves,cap + unions+reducer+and adaptors ,elbows and non return valves) and also installation of stop cocks where required	LM	120		
3	Water points (kiosks) :Construction of 2 Community water points adjacent to existing water kiosks inside the town (This is consist of 2.5x2.5meters Rooms with 1 Door ,1 window , soak pit, catchment pit.) as per the attached Typical drawing	LS	2		
4	Water tank: Renovate existing elevated water tank by fixing visible cracks, plastering and replacing existing damaged pipes and also finishing with color of blue and white as per the direction of an engineer	ls	1		
sub-total					
Solar installation System					
1	Supply and fix Submersible Compact submersible Solar Borehole pump Type SPA-3A-15 , 1.1 KW with its pump controller .See information with attached sheet From Grundfos manufacturer company	No	1		
2	Provide and Install GI rising pipes 2 inch class C with complete fittings	NO	10		
3	Mono crystalline solar modules: 200W, 12Volt high efficiency	No	8		
4	Well probe sensor with plugs	No	1		
5	1.5 sqmm 2-core cable for well probes	roll	1		
6	Solar Mounting Structure: steel ground mount structure as instructed by the Engineer	No	1		
7	PV disconnect Switch 1000 V/40A	No	1		
8	pump cable 4 core 6mm2 pure copper	LM	150		

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9	Water level sensor	pc	1		
10	Water level sensor cable 1.5mm ² 2core pure copper	roll	1		
11	Surge Protector	No	1		
12	63A Manual Change-over Switch	No	1		
13	Wire 10mm	LM	100		
14	Accessories	lms	1		
15	solar Installation cost	No	1		
	pipe line sub total				
	Solar installation fencing				
1	Cast and construct plain concrete base for the each panel. The dimension of base will 0.3mx0.3mx0.5. excavation for this base includes the price	cum	3		
2	Fencing: 1. Supply and install 10m*20m area) mesh wire fence wall with 2inch angle bar spacing 2meters c/c and hieght of 3m(50cm shall go beneath earth) The angle bars shall be fixed with a mass concrete footing having dimension of 0.3mx0.3mx0.5m 2. provide and fix Steel box gate of 1 meter wide and 2.5 m high fabricated from complete with all iron mongery and locking devices: including one coat of primer and two coats of approved paint. and Price to be included all nessecary tools and accessories for installing the fence wall.	lumpsum	1		
3	Visibility: Provide and fix a good visibility on kiosk and Room walls of both sides with a dimension (1.2 Mx1M) for a blue and white color indicating the project information such as project name, organizational name, donar name, date of starting, date of completion, project cost etc in 2 colors as prer given sample .	lumpsum	1.00		
	pipe line and solar installation system sub total				
	Grand total				

Project: Global Farming prevention and response

Summary of 4 Borehole Rehabilitations in Ceel-lahelay, Boodaale , Bulahar and Sallay

No	Discription	Quantity	BOQ Amount
1	Boodaale Borehole rehabilitation	1	\$ -
2	Ceel-la helay Borehole rehabilitatio	1	\$ -
3	Bulahar Borehole Rehabilitation	1	\$ -
4	Sallay Borehole Rehabilitation	1	\$ -
	Total		\$ -
Prepared by : Eng. Ahmed Abdi Gas		Checked by: Abdirahman Abdirkadir Yasin	
Designation: Wash Officer		Designation: Wash and Shelter Coordinat	
Signature : 		Signature : 	
Date: 6/1/2021		Date: 6/01/2021	

