



TENDER FOR REHABILITATION OF FIVE (5) DRIP IRRIGATION SYSTEM, REF; NO. IRUK SEPT 2020-DRIP SYS 001

BACKGROUND/INTRODUCTION

Islamic Relief is an independent humanitarian and development UK based organization, with an active presence in over 40 Countries across the globe, we strive to make the world a better and fairer place for people still living in poverty. Islamic relief began its humanitarian operation in South Sudan in 2004 focusing on providing lifesaving aid and implementing developmental Programmes to support people affected by flood, drought and Conflict establishing three sub offices in Narus (Kapoeta East), Wau, Warrap. A satellite office in Yei and Main office in Juba.

Our vision:

Inspired by our Islamic faith and guided by our values, we envisage a caring world where communities are empowered, social obligations are fulfilled and people respond as one to the suffering of others.

Our mission:

Exemplifying our Islamic values, we will mobilize resources, build partnerships, and develop local capacity, as we work to:

Enable communities to mitigate the effect of disasters, prepare for their occurrence and respond by providing relief, protection and recovery.

Promote integrated development and environmental custodianship with a focus on sustainable livelihoods.

Support the marginalized and vulnerable to voice their needs and address root causes of poverty.

We allocate these resources regardless of race, political affiliation, gender or belief, and without expecting anything in return.

INTRODUCTION

Background

Islamic Relief Worldwide- South Sudan is an international humanitarian organization that has been working with vulnerable communities in South Sudan since 2004. With funding from IR UK, IRSS is currently implementing a recovery project for rural communities in Tonj north county of Warrap state. The objective of the project is to improve access to food security for the affected rural communities of greater Tonj North County. In order to achieve these objectives Islamic relief intends to rehabilitate five (5) drip irrigation systems in greater Tonj north . In this regard IRSS is sourcing for a competent bidder to carry out the rehabilitation work of the proposed project.

The objective of the project is to improve access to food security for the affected rural communities of greater Tonj North County.

This tender for rehabilitation of five (5) drip irrigation systems, REF; NO. IRUK SEPT 2020-DRIP SYS 001 funded project intended to improve access to food security for the affected rural communities of greater Tonj North County.

1. Scope of Work:

The planned rehabilitation work is expected to take place in five sites distributed in different payams. The rehabilitation(repair) work is intended to improve the systems performance, it includes replacement of all the faulty parts(As detailed in the Bill of quantities), which comprises removal and fixing of new drip lines complete with mini valve at the manifold and flush valves at the end of each drip line, fixing of new screen filters as specified, fixing of new gate valves, fixing of one solar control unit (CU), repair work on solar wiring from solar arrays to control unit for one site, inspection and minor repair work on solar systems. There is going to be 35 drip pipes on each side of the farm as specified in the BOQ, each drip pipe is 30.0m long, each drip pipe will have a mini valve fixed on it at the manifold position and drip emitters punch at spacing of 0.50m. Spacing between the new drip pipes and another will be 1.50m. List of sites:

S/no	Location/site	Payam	Estimated Distance from the canter
01	Lounoi	Awul	5 kilometres
02	Domkuat	Awul	4 kilometres
03	Athiengpoul	Akop	54 Kilometres
04	Rualbet	Rualbet	68 Kilometres
05	Alabek	Alabek	60 kilometers

DELIVERY DETAILS

Case	Delivery Destination
Supplier must have export permission or be able to supply locally from South Sudan.	Delivered Duty Paid (DDP) to defined destinations inside South Sudan (Tonj north county, Warrap state)

SUBMISSION DEADLINE

All tenders are required to be submitted before **Friday 15th Oct 2020, 4.00 pm Local time** pursuant to the attached guidelines for submitting a quotation and be returned to; **TO IRSS TENDER BOX** upon registration on the bid receipt form.

For any issues relating to the tender or its contents please email directly to; IRSS.Tender@islamic-relief.or.ke

All quotation providers are requested to fill in Appendix 1 and 2 below when submitting their proposal to IRW.

APPENDIX 1

Summary of Bid Prices

<i>No.</i>	<i>Description</i>	<i>Total Price in USD (\$)</i>
1	Grand Total Bid Price	
2	Discount Ratio (if any) ... % and the amount	
3	Grand Total after Discount	
4	Delivery time scales (in days)	

We have carefully checked and examined all bid documents and we are offering the costs above on a fixed basis and they are not subject to any changes or alterations including those due to currency fluctuations.

Total Price **USD (\$)**

In words [_____]

Bidder's Signature

Stamp

Date

Bidder is required to stamp this document with their legal company stamp no bid will be accepted without a genuine company stamp

APPENDIX 2 BILL OF QUANTITIES

Please also use our table when filling the prices. If you do not have the item just keep it empty. Your offer should be for the quantity that we request, not less and not more.

Please only use USD (\$) as the currency for your offers as per the guidelines.

BILL OF QUANTITIES FOR REHABILITATION OF 5 (FIVE) DRIP IRRIGATION SYSTEMS IN TONJ NORTH COUNTY, WARRAP STATE.

Item number	Item description	Quantity	Unit	Unit cost	Amount -USD
BILL No (1) Lounoi Site					
01	Preliminaries- Site assessment and mobilization of resources	01	Job		
02	Provide and allow for fixing of new control unit (CU) preferably Granados CU 200 - 1,400 Watts, including repair of electrical cables from solar panels to the control unit affected due to short circuit.	01	Unit		
03	Carry out minor repair of leakages from the joints on the out lets from the tank,				
04	Provide and allow for fixing 1" and 1.0m height stand pipe, G.I. stand pipe with ¾" tap. Connected 6.0m away from the 2" main line, stand pipe should be casted in 7" diameter 1:2:4 concrete, in 0.60mx0.60m concrete plat form with raised edges(provide but: 1" G.I. pipe x 1.0m height, reducers 1"-3/4", 1" dia pvc pipe x 6.0m long, reducers 2"-1", sockets , ¾" water tap, cement, aggregate and sand).	01	Unit		
Sub total (1)					
BILL NO(2) Domkuat site					
01	Provide and allow for temporary removal of the 70.00m long main line from the ground, clean up and prepare ready to receive lateral drip pipes. Supply and install in correct positions of 16mm lateral drip pipes, well connected to the existing 2" main line , 30 meters long each drip pipe,70 pieces x 30 meters each at spacing of 1.50m between one drip line and another. Allow for punching of long path type drip holes in each drip line at spacing of 50 cm(total 60 holes) / drip line x 70 drip lines = 4,200 emitter holes. There will be 35 drip pipes (30.0m long each) on each side of the farm. Allow for	2,100	m		

	punching new holes for drip pipes, hence block off all the existing holes.				
02	Provide and allow for fixing 1" and 1.0m height stand pipe, G.I. stand pipe with ¾" tap. Connected 6.0m away from the 2" main line, stand pipe should be casted in 7" diameter 1:2:4 concrete, in 0.60mx0.60m concrete plat form with raised edges(provide but: 1" G.I. pipe x 1.0m height, reducers 1"-3/4", 1" dia pvc pipe x 6.0m long, reducers 2"-1", sockets , ¾" water tap, cement, aggregate and sand).				
03	Provide and allow for fixing of new 2" G.I.gate valve at out let from the tanks.	01	Piece		
04	Provide and allow for fixing 1 1/2" ball valve on the main line.	02	Pieces		
05	Provide and allow for fixing of complete screen filters with 150-200 mesh size.	02	pieces		
Sub total (2)					
BILL NO (3) Athiengpoul site					
01	Provide and allow for temporary removal of the 70.00m long main line from the ground, clean up and prepare ready to receive lateral drip pipes. Supply and install in correct positions of 16mm LDPE 4.0 bar lateral drip pipes, well connected to the 2" HDPE main line (existing), 30 meters long each drip pipe, 70 pieces x 30 meters each. Allow for punching of long path type drip holes in each drip line at spacing of 50 cm(total 60 holes) / drip line x 70 drip lines = 4,200 emitter holes. Spacing between each drip pipe and another should be 1.50m.	2,100	Meters		
02	Provide and allow for fixing of mini valves to each drip line, to regulate water flow in the specific drip pipes.	70	Pieces		
03	Provide and allow for fixing of new 2" G.I.gate valve at out let from the tanks.	01	Piece		
04	Provide and allow for fixing 1 1/2" ball valve on the main line.	02	Piece		
05	Provide and allow for fixing of complete screen filters with 150-200 mesh size.	02	pieces		
06	Provide and allow for fixing 1" and 1.0m height stand pipe, G.I. stand pipe with ¾"				

	tap. Connected 6.0m away from the 2" main line, stand pipe should be casted in 7" diameter 1:2:4 concrete, in 0.60mx0.60m concrete plat form with raised edges(provide but: 1" G.I. pipe x 1.0m height, reducers 1"-3/4", 1" dia pvc pipe x 6.0m long, reducers 2"-1", sockets , ¾" water tap, cement, aggregate and sand).	01	Unit		
Sub total (3)					
BILL NO (4) Rualbet site					
01	Supply and install in correct positions of 16mm lateral drip pipes, well connected to the 2" main line (existing), 30 meters long each drip pipe, 20 pieces x 30 meters long each. Allow for punching of long path type drip holes in each drip line at spacing of 50 cm(total 60 holes) / drip line x 20 drip lines = 1,200 emitter holes.	600	meters		
02	Provide and allow for fixing mini valves on each drip pipe	20	Pieces		
03	Repair leakages around 2" G.I.gate vales at out let of the tank, ditto ditto but around around 1 1/2" ball vales in main lines, provisional provide 1 1/2" pvc union, 06 pieces, 1 1/2" pvc elbows 06 pieces , plumbing tapes 01	01	Job		
04	Provide and allow for fixing 1" and 1.0m height stand pipe, G.I. stand pipe with ¾" tap. Connected 6.0m away from the 2" main line, stand pipe should be casted in 7" diameter 1:2:4 concrete, in 0.60mx0.60m concrete plat form with raised edges(provide but: 1" G.I. pipe x 1.0m height, reducers 1"-3/4", 1" dia pvc pipe x 6.0m long, reducers 2"-1", sockets , ¾" water tap, cement, aggregate and sand).				
Subtotal (4)					
BILL NO (5) Alabek site					
01	Provide and allow for temporary removal of the 70.00m long main line from the ground, clean up and prepare ready to receive lateral drip pipes. Supply and install in correct positions of 16mm lateral drip pipes, well	2,100	Meters		

	connected to the 2" main line (existing), 30 meters long each drip pipe, 70 pieces x 30 meters each. Allow for punching of long path type drip holes in each drip line at spacing of 50 cm(total 60 holes) / drip line x 70 drip lines = 4,200 emitter holes. Spacing between the new drip pipes will be 1.50m, punch new holes for new drip pipes, hence block off all the existing holes.				
02	Provide and allow for fixing of mini valve to each drip pipe.	70	Pieces		
03	Provide and allow for fixing of 2" G.I. gate valve at out let of the tanks	01	Pieces		
04	Provide and allow for fixing of 1 1/2" ball valve at main lines, complete with PVC unions 02, elbows 04 sockets 04 and plumbing taps.	02	pieces		
05	Provide and allow for fixing 1" and 1.0m height stand pipe, G.I. stand pipe with 3/4" tap. Connected 6.0m away from the 2" main line, stand pipe should be casted in 7" diameter 1:2:4 concrete, in 0.60mx0.60m concrete plat form with raised edges(provide but: 1" G.I. pipe x 1.0m height, reducers 1"-3/4", 1" dia pvc pipe x 6.0m long, reducers 2"-1", sockets , 3/4" water tap, cement, aggregate and sand).	1	piece		
Subtotal(5)					
Grand Total= Sub total(1)+(2)+(3)+(4)+(5)					

IMPLEMENTATION PLAN

Project: : Warrap resilience and adaptation project (WRAP)

Location: Tonj North County

Implementation plan: Rehabilitation of 05 drip irrigation system

Project: : Warrap resilience and adaptation project (WRAP)

Location: Tonj North County

Implementation plan: Rehabilitation of 05 drip irrigation system

Activity #	Activity description	Months												Comments
		October 2020				November 2020								
		W k1	W k2	W k3	W k4	W k1	w k2	W k3	W k4	W k1	W k2	W k3	W k4	
1.00	Preliminaries – resource mobilization													Rehabilitation work can progress following a sequent, other wise the contractor can engage as several teams as can afford.
2.00	Carry out rehabilitation of drip system in location (1) Lou now													
3.00	Carry out rehabilitation of drip system in location (2) Domkuat													
4.00	Carry out rehabilitation of drip system in location (3) Akop													
5.00	Carry out rehabilitation of drip system in location (4) Rualbet													
6.00	Carry out rehabilitation of drip system in location (5) Alabek													
7.00	Final inspections and handing over													