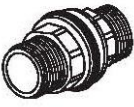
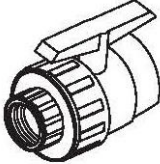

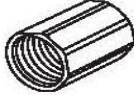


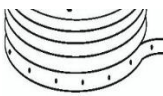
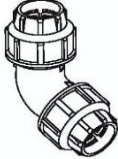
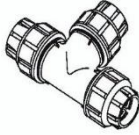



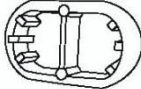
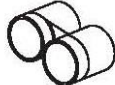



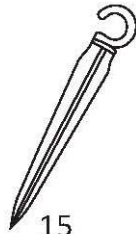
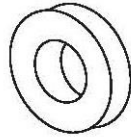


Technical Specifications

The requested Drip Irrigation System will be used for agricultural purposes.

Lot-1. Drip Irrigation System for 2 hectares of Intensive Gardening in 5 regions of Karakalpakstan. Total Quantity: 5 sets					
ITEM #	ITEM DESCRIPTION	UNIT OF MEASURE	Q-TY	LATEST DELEVIRY DATE	
The below is a list of materials and services for one set:					
1	Polyethylene pipe (SDR 21) / or equivalent diameter 63 mm (wall thickness 3.0-3.5 mm)	meter	630	Not more than 60 calendar days from day of signing contract by both parties	
2	Hose pipe (SDR 9) / or equivalent diameter 16 mm (wall thickness 2.0-2.5 mm)	meter	5000		
3	Pipe plug diameter 63 mm (male)	Piece	2		
4	Pipe plug diameter 16 mm (male)	Piece	50		
5	Start connector (connector) with nipple diameter 16-18 mm	Piece	50		
6	Pipe connector diameter 16 mm	Piece	50		
7	Pressure Compensated Dripper 2-4 l/h (operating pressure more than 1 bar) located on each 3 m	Piece	1,650		
8	Water filter disc (capacity: 16 m ³ /h or more)	Piece	1		
9	Solar water pump (with solar panel) PD 3-1.8-80 / or equivalent Capacity – 20 l/min Solar panel capacity – not less than 0.36 kW	Piece	2		
10	Water tank (tank with a capacity of 100-120 liters with a Venturi injector)	Piece	1		
11	Tee connector diameter 63x63x63mm	Piece	4		
12	Pipe connector diameter 63 mm	Piece	2		
13	Elbow diameter 63x63 mm	Piece	4		
14	Ball valve tap diameter 63 mm	Piece	1		
15	Water meter (type Voltman or equivalent, diameter 63 mm)	Piece	2		
Lot-2. Drip irrigation system per 250 sq. m. Quantity 594 sets					
Technical specification for gravity powered drip irrigation kit with capacity to irrigate up to 250 m²					
Application:					
Irrigation and fertigation of small plots up to 250 m ²					
Applicable for all crops including vegetables, cereals, pulses and fruit trees					
Can be used for both open field and indoor plants cultivation (greenhouse or hotbeds)					
Specification					
Irrigation capacity: up to 250 m ²					
Power requirements: fully gravity powered – no need for pump source					
Package: full kit supplied at one box					
Assembling: easy assembly and operation – no need for previous experience					
Modularity: fully modular, should be easily dismantled and stored					
System laying off: Should be easily tailored to any plot shape within the size range					
System maintenance support: should ensure special male/female connectors taking-off for easy lateral plugging when only part of subject area needs to be irrigated					
Each kit set should include the following components:					
No	Name of components	Specification	Quantity	How it looks like	LATEST DELEVIRY DATE

1	Tap connector to water tank adapter	Male, d=3/4", threaded with clump coupling and glands for two ends. Material – PVC	1 piece		Not more than 60 calendar days from day of signing contract by both parties
2	Ball valve tap	Female, d= 3/4 "threaded form one side and with clump coupling form opposite one. Material - PVC	1 piece		
3	Water strainer	Male, d= 3/4 "threaded from both sides. Materials: strainer sieve -nylon, 130 µm; strainer body-	1 piece		
4	Coupling	Female, d=3/4 " , threaded. Material: PCV	1 piece		
5	Compress elbow	Male, d=25x3/4 " , threaded from one side (d=3/4 ") and with clump coupling (d=25mm) from other side. Material: PVC	1 piece		
6	Sub main pipe	D= 25 mm, wall thickness= 0.8-1.2 mm, pressure class =2.5 BAR. Material: polyethylene	25 m		
7	Drip line	Pipeline, d=12 mm, wall thickness 0.65 mm, drippers spacing =30 cm, dripper discharge -1.7 lph. Material: polyethylene	250 m		
8	Compress elbow	d=25x25 mm, with clump coupling from both sides Material: PVC	1 piece		
9	Tee connector	D= 25X25X25 mm, with clump coupling at each end. Material: PVC	1 piece		

10	Sub main pipe connector	Barb male, d= 9/12 mm. Material: PVC	22	 11
11	Drip line connector	Barb female, d= 9/12 mm. Material: PVC	22	 12
12	Plug for 9/12 barb male	D=9/12 mm Material: PVC	10	 13
13	Compress end line	25X25 mm Material: PVC	2	 13
14	"8" shaped end drip line	12X12 mm, Material: PVC	42	 14
15	Barb connector for repairing	25X25 mm, Material: PVC	1	 16
16	Barb connector for repairing	12X12 mm, Material: PVC	5	 16
17	Puncher and pusher 7.5 mm	Two ended puncher and pusher with milling cutter from one side and pusher at opposite side. Material: PVC/metal	1	 10
18	Stabilizing peg	Length: 15-20 cm Material: PVC	22	 15
19	Gasket Teflon tape	Width: 10 -12 mm, width: 0.2-0.5 mm	1	 18

PART 1: FORM FOR SUBMITTING SUPPLIER'S QUOTATION
(This Form must be submitted only using the Supplier's Official Letterhead/Stationery)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No. RFQ/019/19⁶.

TABLE 1: Offer to Supply Goods Compliant with Technical Specifications and Requirements

Lot-1. Drip Irrigation System for 2 hectares of Intensive Gardening in 5 regions of Karakalpakstan. Total Quantity: 5 sets					
ITEM #	ITEM DESCRIPTION The below is a list of materials and services for one set:	UNIT OF MEASURE	Q-TY	PRICE IN [CURRENCY] (EXCLUSIVE OF VAT)	
				Unit Price	Total Price
1	Polyethylene pipe (SDR 21) / or equivalent diameter 63 mm (wall thickness 3.0-3.5 mm)	meter	630		
2	Hose pipe (SDR 9) / or equivalent diameter 16 mm (wall thickness 2.0-2.5 mm)	meter	5000		
3	Pipe plug diameter 63 mm (male)	Piece	2		
4	Pipe plug diameter 16 mm (male)	Piece	50		
5	Start connector (connector) with nipple diameter 16-18 mm	Piece	50		
6	Pipe connector diameter 16 mm	Piece	50		
7	Pressure Compensated Dripper 2-4 l/h (operating pressure more than 1 bar) located on each 3 m	Piece	1,650		
8	Water filter disc (capacity: 16 m ³ /h or more)	Piece	1		
9	Solar water pump (with solar panel) PD 3-1.8-80 / or equivalent Capacity – 20 l/min Solar panel capacity – not less than 0.36 kW	Piece	2		
10	Water tank (tank with a capacity of 100-120 liters with a Venturi injector)	Piece	1		
11	Tee connector diameter 63x63x63mm	Piece	4		
12	Pipe connector diameter 63 mm	Piece	2		
13	Elbow diameter 63x63 mm	Piece	4		
14	Ball valve tap diameter 63 mm	Piece	1		
15	Water meter (type Voltman or equivalent, diameter 63 mm)	Piece	2		
	Total Prices of Goods				
	Transportation costs				
	Packing, Insurance and other costs				
	Training				
	Installation on turn-key basis				
	Total All-Inclusive Bid Price				
Lot-2. Drip irrigation system per 250 sq. m. Quantity 594 sets					
Technical specification for gravity powered drip irrigation kit with capacity to irrigate up to 250 m²					
Application:					
Irrigation and fertigation of small plots up to 250 m ²					
Applicable for all crops including vegetables, cereals, pulses and fruit trees					
Can be used for both open field and indoor plants cultivation (greenhouse or hotbeds)					

Specification

Irrigation capacity: up to 250 m²

Power requirements: fully gravity powered – no need for pump source

Package: full kit supplied at one box


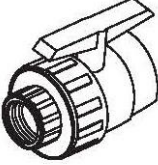

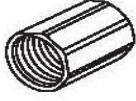


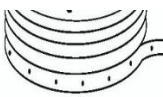
Assembling: easy assembly and operation – no need for previous experience

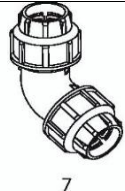
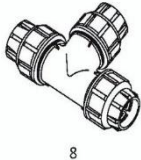



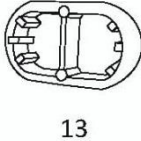




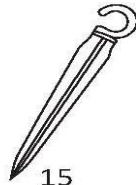
Modularity: fully modular, should be easily dismantled and stored

System laying off: Should be easily tailored to any plot shape within the size range

System maintenance support: should ensure special male/female connectors taking-off for easy lateral plugging when only part of subject area needs to be irrigated

Each kit set should include the following components:

No	Name of components	Specification	Quantity	How it looks like		
1	Tap connector to water tank adapter	Male, d=3/4", threaded with clump coupling and glands for two ends. Material – PVC	1 piece	 1		
2	Ball valve tap	Female, d= 3/4 "threaded form one side and with clump coupling form opposite one. Material - PVC	1 piece	 2		
3	Water strainer	Male, d= 3/4 "threaded from both sides. Materials: strainer sieve -nylon, 130 µm; strainer body-	1 piece	 3		
4	Coupling	Female, d=3/4 " , threaded. Material: PCV	1 piece	 4		
5	Compress elbow	Male, d=25x3/4 " , threaded from one side (d=3/4 ") and with clump coupling (d=25mm) from other side. Material: PVC	1 piece	 5		
6	Sub main pipe	D= 25 mm, wall thickness= 0.8-1.2 mm, pressure class =2.5 BAR. Material: polyethylene	25 m	 6		
7	Drip line	Pipeline, d=12 mm, wall thickness 0.65 mm, drippers spacing =30 cm, dripper discharge -1.7 lph. Material: polyethylene	250 m	 7		

8	Compress elbow	d=25x25 mm, with clump coupling from both sides Material: PVC	1 piece			
9	Tee connector	D= 25X25X25 mm, with clump coupling at each end. Material: PVC	1 piece			
10	Sub main pipe connector	Barb male, d= 9/12 mm. Material: PVC	22			
11	Drip line connector	Barb female, d= 9/12 mm. Material: PVC	22			
12	Plug for 9/12 barb male	D=9/12 mm Material: PVC	10			
13	Compress end line	25X25 mm Material: PVC	2			
14	"8" shaped end drip line	12X12 mm, Material: PVC	42			
15	Barb connector for repairing	25X25 mm, Material: PVC	1			
16	Barb connector for repairing	12X12 mm, Material: PVC	5			
17	Puncher and pusher 7.5 mm	Two ended puncher and pusher with milling cutter from one side and pusher at opposite side. Material: PVC/metal	1			
18	Stabilizing peg	Length: 15-20 cm Material: PVC	22			

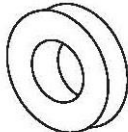
19	Gasket Teflon tape	Width: 10 -12 mm, width: 0.2-0.5 mm	1			
		Total Prices of Goods		18		
		Transportation costs				
		Packing, Insurance and other costs				
		Training				
		Total All-Inclusive Bid Price				

Table 2 – Table of technical compliance of the offered goods

Description / Specifications of Goods (required by UNDP)	Description / Specifications of Goods (offered by Supplier) ⁶ <i>Please indicate parameters of the offered goods</i> <i>Please indicate for the offered goods:</i> <i>Model: _____</i> <i>Manufacturer: _____</i> <i>Country of origin: _____</i>
Lot-1. Drip Irrigation System for 2 hectares of Intensive Gardening in 5 regions of Karakalpakstan. Total Quantity: 5 sets	
Polyethylene pipe (SDR 21) / or equivalent diameter 63 mm (wall thickness 3.0-3.5 mm)	
Hose pipe (SDR 9) / or equivalent diameter 16 mm (wall thickness 2.0-2.5 mm)	
Pipe plug diameter 63 mm (male)	
Pipe plug diameter 16 mm (male)	
Start connector (connector) with nipple diameter 16-18 mm	
Pipe connector diameter 16 mm	
Pressure Compensated Dripper 2-4 l/h (operating pressure more than 1 bar) located on each 3 m	
Water filter disc (capacity: 16 m ³ /h or more)	
Solar water pump (with solar panel) PD 3-1.8-80 / or equivalent Capacity – 20 l/min Solar panel capacity – not less than 0.36 kW	
Water tank (tank with a capacity of 100-120 liters with a Venturi injector)	
Tee connector diameter 63x63x63mm	
Pipe connector diameter 63 mm	
Elbow diameter 63x63 mm	
Ball valve tap diameter 63 mm	
Water meter (type Voltman or equivalent, diameter 63 mm)	
Lot-2. Drip irrigation system per 250 sq. m. Quantity 594 sets	

⁶ Please provide description of offered product, model and brand name, that must meet minimum technical specifications provided in Annex 1 above

Technical specification for gravity powered drip irrigation kit with capacity to irrigate up to 250 m²

Application:

Irrigation and fertigation of small plots up to 250 m²
 Applicable for all crops including vegetables, cereals, pulses and fruit trees
 Can be used for both open field and indoor plants cultivation (greenhouse or hotbeds)

Specification

Irrigation capacity: up to 250 m²
 Power requirements: fully gravity powered – no need for pump source
 Package: full kit supplied at one box
 Assembling: easy assembly and operation – no need for previous experience
 Modularity: fully modular, should be easily dismantled and stored
 System laying off: Should be easily tailored to any plot shape within the size range
 System maintenance support: should ensure special male/female connectors taking-off for easy lateral plugging when only part of subject area needs to be irrigated
 Each kit set should include the following components:

Tap connector to water tank adapter	Male, d=3/4", threaded with clump coupling and glands for two ends. Material – PVC	
Ball valve tap	Female, d= 3/4 "threaded form one side and with clump coupling form opposite one. Material - PVC	
Water strainer	Male, d= 3/4 "threaded from both sides. Materials: strainer sieve -nylon, 130 µm; strainer body-	
Coupling	Female, d=3/4 " , threaded. Material: PCV	
Compress elbow	Male, d=25x3/4 " , threaded from one side (d=3/4 ") and with clump coupling (d=25mm) from other side. Material: PVC	
Sub main pipe	D= 25 mm, wall thickness= 0.8-1.2 mm, pressure class =2.5 BAR. Material: polyethylene	
Drip line	Pipeline, d=12 mm, wall thickness 0.65 mm, drippers spacing =30 cm, dripper discharge -1.7 lph. Material: polyethylene	
Compress elbow	d=25x25 mm, with clump coupling from both sides Material: PVC	
Tee connector	D= 25X25X25 mm, with clump coupling at each end. Material: PVC	
Sub main pipe connector	Barb male, d= 9/12 mm. Material: PVC	
Drip line connector	Barb female, d= 9/12 mm. Material: PVC	
Plug for 9/12 barb male	D=9/12 mm Material: PVC	

Compress end line	25X25 mm Material: PVC	
"8" shaped end drip line	12X12 mm, Material: PVC	
Barb connector for repairing	25X25 mm, Material: PVC	
Barb connector for repairing	12X12 mm, Material: PVC	
Puncher and pusher 7.5 mm	Two ended puncher and pusher with milling cutter from one side and pusher at opposite side. Material: PVC/metal	
Stabilizing peg	Length: 15-20 cm Material: PVC	
Gasket Teflon tape	Width: 10 -12 mm, width: 0.2-0.5 mm	

TABLE 3: Offer to Comply with Other Conditions and Related Requirements

Other Information pertaining to our Quotation are as follows:	Your Responses		
	<i>Yes, we will comply</i>	<i>No, we cannot comply</i>	<i>If you cannot comply, pls. indicate counter proposal</i>
Terms of supply of equipment at final destination within 60 calendar days			
Warranty and After-Sales Requirements			
a) Minimum one (1) year warranty on both parts and labor			
b) Service Unit to be Provided when the Purchased Unit is Under Repair			
All Provisions of the UNDP General Terms and Conditions			
Other requirements <i>[pls. specify]</i>			

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

[Name and Signature of the Supplier's Authorized Person]
[Designation]
[Date]