

# Government of Nepal Ministry of Population and Environment Alternative Energy Promotion Centre Khumaltar Height, Lalitpur Post Box No: 14364 Tel: 9771-5539390/5539391

## Price Survey Form for Preparation of Reference Price List for Solar Pumping Irrigation System

#### Note:

- 1. The reference price list format is based on approximate head and discharge. Companies can propose different head and discharge falling under that category as per their product availability.
- 2. There are 35 different categories of solar pumping irrigation system in this price survey form. Companies are requested to fill as much category possible based on the availability their product.
- 3. Companies are requested to sign and stamp each page of the form.
- 4. Companies are requested to submit the price survey form sealed and addressing subject as "Price Survey Form for Preparation of Reference Price List for Solar Pumping Irrigation System" to AEPC within deadline.
- 5. Deadline for submitting the form is 08 February 2017, 3:00 PM at AEPC, Khumaltar registration Desk.
- 6. This price survey will be used to set the reference price only.

**July 2017** 

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 10 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge:liter per day No	let Vertical Head:meter	Land Area
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SN	Component	Size	Quantity	Unit price	Vat 13%	Total Unit Price	Total Price	
	Mechanical Component						•	
1.1	Solar PV panel & Mounting Structure							]
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							]
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure		_					
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
3	Transportation							
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 10 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge:liter per da	Net Vertical Head:meter	Land Area
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SN	Component	Size	Quantity	Unit price	Vat 13%	Total Unit Price	Total Price	
	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure		_			_		
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	Sta
3	Transportation							
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 50,000 lit per day at up to vertical head of 10 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

						Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	-
1. Electro	Mechanical Component	1			1	1		
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 10 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

CNI		6.			V-1 420/	Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	-
1. Electro	Mechanical Component	1	1			1		
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
		State 1	State 2	State 3	State 4	State 5	State 6	State 7
3	Transportation							1
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 10 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 20 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge:	liter per day	Net Vertical Head:	meter	Land Area
	11001 001 0101			

SN	Component	Size	Quantity	Unit price	Vat 13%	Total Unit		otal rice	
1. Electro	Mechanical Component								
1.1	Solar PV panel & Mounting Structure								
1.2	PV Cables (2.5mm², 20m)								
1.3	Pump Inverter								
1.4	AC /DC Water Pump (Submersible/Surface)								
1.5	Pump Cables (3*1.5mm², 100m)								
1.6	Pump Pipe (Water pipe inch)								
1.7	Remote Monitoring System (RMS)								
1.8	Check valve (Check valve with connector)								
1.9	Other accessories (MC4 connector, pump cable connector)								
1.10	Water Flow Meter (Discharge)								
2. Civil St	ructure								
2.1	Construction of Intake/tube well / boring								
2.2	Sand Trap(Not applicable for tube well and boring)								
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)								
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6		St
3	Transportation								
	Total								

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of **20 meter** for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

						Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	-
1. Electro	Mechanical Component	1			1	1		
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **50,000 lit per day** at up to vertical head of **20 meter** for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......liter per day Net Vertical Head: .....meter Land Area ......Land Area ......

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 20 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 20 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

		<u>.</u>		l		Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	-
1. Electro	Mechanical Component	1			1	1		
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Transportation							
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 30 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......liter per day Net Vertical Head: .....meter Land Area ......Land Area ......

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		4
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							]
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							]
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total	l						

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 30 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge:liter per da	Net Vertical Head:meter	Land Area
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	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 50,000 lit per day at up to vertical head of 30 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge:liter per day Net	Vertical Head:meter	Land Area
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SN	Component	Size	Quantity	Unit price	Vat 13%	Total Unit	Total Price	
	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 30 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total	l						

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 30 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		4
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							]
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total	l						

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 50 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 50 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: .....liter per day Net Vertical Head: ....meter Land Area .....Land Area ......

SN	Component	Size	Quantity	Unit price	Vat 13%	Total Unit	Total Price	
	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							]
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							]
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							]
1.7	Remote Monitoring System (RMS)							]
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							]
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **50,000 lit per day** at up to vertical head of 50 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......liter per day Net Vertical Head: .....meter Land Area ......Land Area ......

	_					Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	
1. Electro	Mechanical Component	<u> </u>	<del>                                     </del>		T	<del>                                     </del>		Į.
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
3	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
	Total	l						

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 50 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

CNI	Commonweal	C:	0	Marie and an	V-+ 420/	Total Unit		
SN 1 Floating	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	d
	Mechanical Component	T T		I	Т	1	T	4
1.1	Solar PV panel & Mounting Structure							4
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
		State 1	State 2	State 3	State 4	State 5	State 6	State 7
3	Transportation							
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 50 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

CNI		6.			V-1 420/	Total Unit		
SN	Component	Size	Quantity	Unit price	Vat 13%	Price	Price	-
1. Electro	Mechanical Component	1	1			1		
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Check valve (Check valve with connector)							
1.9	Other accessories (MC4 connector, pump cable connector)							
1.10	Water Flow Meter (Discharge)							
2. Civil St	ructure							
2.1	Construction of Intake/tube well / boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Cost of irrigation system (Drip / Sprinkle /flooded)							
		State 1	State 2	State 3	State 4	State 5	State 6	State 7
3	Transportation							1
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 70 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: .....meter per day Net Vertical Head: ....meter Land Area ..... **Unit price Total** Total (UP) SN Component Size Quantity (UP) Vat 13% Price 1. Electro Mechanical Component Solar PV panel & Mounting Structure 1.1 PV Cables (2.5mm<sup>2</sup>, 20m) 1.2 1.3 Pump Inverter AC /DC Water Pump (Submersible/Surface) 1.4 Pump Cables (3\*1.5mm<sup>2</sup>, 100m) 1.5 1.6 Pump Pipe (Water pipe ...... inch) Remote Monitoring System (RMS) 1.7 1.8 Water Flow Meter (Discharge) Check valve (Check valve with connector) 1.9 Other accessories (MC4 connector, pump cable connector) 1.10 2. Civil Structure Construction of Intake / tube well /boring 2.1 Sand Trap(Not applicable for tube well and boring) 2.2 Construction of pillars for pipeline to distribution point Cost of irrigation system (Drip ..... / Sprinkle .... /flooded ...) State 1 State 2 State 3 State 4 State 5 State 6 State 7 Transportation 2.5 Total

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 70 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	1
	Mechanical Component	312E	Quantity	(OF)	Vat 13/0	T (OF)	File	
1.1	Solar PV panel & Mounting Structure	T .	Τ			Τ		1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	_
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 50,000 lit per day at up to vertical head of 70 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......liter per day Net Vertical Head: .....meter Land Area ......Land Area ......

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	]
	Mechanical Component	U.E.S		(0.7	100 =070	(0.7	11100	
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 70 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	
	Mechanical Component	Jize	Quantity	(01)	Vat 1370	1 (01 )	Trice	
1.1	Solar PV panel & Mounting Structure	T	T			Τ	Π	1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	_
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 70 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	1
	Mechanical Component	Jize	Quantity	(01)	Vat 1370	1 (01 )	Trice	
1.1	Solar PV panel & Mounting Structure		T			T	T	
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							,
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	_
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 100 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	]
	Mechanical Component	U.E.S		(0.7	100 =070	(0.7	11100	
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 100 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: .....liter per day Net Vertical Head: .....meter Land Area ......Land Area ......

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	]
	Mechanical Component	U.E.S		(0.7	100 =070	(0.7	11100	
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 50,000 lit per day at up to vertical head of 100meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	]
	Mechanical Component	U.E.S		(0.7	100 =070	(0.7	11100	
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
	Total							

#### **Alternative Energy Promotion Center**

Land Area .....

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 100 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......meter | Net Vertical Head: .....meter

**Unit price** Total Total SN (UP) Component Size Quantity (UP) Vat 13% Price 1. Electro Mechanical Component Solar PV panel & Mounting Structure PV Cables (2.5mm<sup>2</sup>, 20m) 1.2 1.3 Pump Inverter AC /DC Water Pump (Submersible/Surface) 1.4 Pump Cables (3\*1.5mm<sup>2</sup>, 100m) 1.5 1.6 Pump Pipe (Water pipe ...... inch) Remote Monitoring System (RMS) 1.7 1.8 Water Flow Meter (Discharge) Check valve (Check valve with connector) 1.9 1.10 Other accessories (MC4 connector, pump cable connector) 2. Civil Structure 2.1 Construction of Intaka / tube well /baring

	Total							
2.5	Transportation							
	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State 7
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.3	Construction of pillars for pipeline to distribution point							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.1	Construction of intake / tube well /boring							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 400,000 lit per day at up to vertical head of 100 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	(UP)	Vat 13%	(UP)	Price	
1. Electro	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil Str	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
$\Box$	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	S
2.5								

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 10,000 lit per day at up to vertical head of 200 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	]
	Mechanical Component	10.20		(0.)	1 200 2075	1 (0.7	1	ĺ
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							Ī
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							Ī
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	1
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate **25,000 lit per day** at up to vertical head of 200 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	1
	Mechanical Component	Jize	Quantity	(01)	Vat 1370	1 (01 )	Trice	
1.1	Solar PV panel & Mounting Structure		T			T	T	
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm² , 100m)							,
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	_
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 50,000 lit per day at up to vertical head of 200meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

SN	Component	Size	Quantity	Unit price (UP)	Vat 13%	Total (UP)	Total Price	
	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							1
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil Structure								
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	State
	Total							

#### **Alternative Energy Promotion Center**

**Preparation of Reference Price List for Solar Irrigation System** 

Price List for pumping approximate 100,000 lit per day at up to vertical head of 200 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......liter per day Net Vertical Head: .....meter Land Area ......

SN Component Size Quantity (UP) Vat 13% (UP) Price

1. Electro Mechanical Component

1. Electro	Mechanical Component							
1.1	Solar PV panel & Mounting Structure							
1.2	PV Cables (2.5mm², 20m)							
1.3	Pump Inverter							
1.4	AC /DC Water Pump (Submersible/Surface)							
1.5	Pump Cables (3*1.5mm², 100m)							
1.6	Pump Pipe (Water pipe inch)							
1.7	Remote Monitoring System (RMS)							
1.8	Water Flow Meter (Discharge)							
1.9	Check valve (Check valve with connector)							
1.10	Other accessories (MC4 connector, pump cable connector)							
2. Civil St	ructure							
2.1	Construction of Intake / tube well /boring							
2.2	Sand Trap(Not applicable for tube well and boring)							
2.3	Construction of pillars for pipeline to distribution point							
3	Cost of irrigation system (Drip / Sprinkle /flooded)							
2.5	Transportation	State 1	State 2	State 3	State 4	State 5	State 6	St
	Total							

#### **Alternative Energy Promotion Center**

Land Area ......

**Preparation of Reference Price List for Solar Irrigation System** 

**Total** 

**Transportation** 

2.5

Price List for pumping approximate 400,000 lit per day at up to vertical head of 200 meter for irrigation purpose.

Please fill the discharge and head as well as proposed land area for which you are proposing the system:

Guaranteed Discharge: ......meter | Net Vertical Head: .....meter

**Unit price** Total Total SN Component Size Quantity (UP) Vat 13% (UP) Price 1. Electro Mechanical Component Solar PV panel & Mounting Structure PV Cables (2.5mm<sup>2</sup>, 20m) 1.2 1.3 Pump Inverter AC /DC Water Pump (Submersible/Surface) 1.4 1.5 Pump Cables (3\*1.5mm<sup>2</sup>, 100m) Pump Pipe (Water pipe ...... inch) 1.6 Remote Monitoring System (RMS) 1.7 1.8 Water Flow Meter (Discharge) Check valve (Check valve with connector) 1.9 1.10 Other accessories (MC4 connector, pump cable connector) 2. Civil Structure Construction of Intake / tube well /boring 2.1 Sand Trap(Not applicable for tube well and boring) 2.2 Construction of pillars for pipeline to distribution point Cost of irrigation system (Drip ..... / Sprinkle .... /flooded ...) State 1 State 2 State 3 State 4 State 5 State 6 State 7