

Republic of Uganda Ministry of Water and Environment

Electricity Access Scale Up Project (EASP)

Project ID: P166685

Supply, Installation and Commissioning of Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes

Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim

Procurement Reference No: MWE/SUPLS/23-24/00007/2

Volume 2 - Price Schedules

Date of Issue: November 2023

Electricity Access Scale Up Project (EASP)- Water Component

Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim Schedule of Rates and Prices

Schedule No. 1. Plant and Mandatory Spare Parts Supplied from Abroad

reinforced concrete base supplied and constructe supplied for fastening modules, enhanced for thef supply scheme Solar Array mounting frame with specifications as					1		
Solar Array mounting frame Solar Array mounting frame made from rust free/re reinforced concrete base supplied and construct supply scheme Solar Array mounting frame with specifications as Solar Array mounting frame with specifications as	Description	Code ¹	Qty.	Unit	Unit	Price ² CIP	Total Price
Solar Array mounting frame made from rust free/rr 1.1 reinforced concrete base supplied and constructed supplied for fastening modules, enhanced for thef supply scheme 2. Solar Array mounting frame with specifications as 3. Solar Array mounting frame with specifications as 1.4 Solar Array mounting frame with specifications as 1.5 Solar Array mounting frame with specifications as		odue	(1)	5111	(2)	(3)	(1) x (3)
Solar Array mounting frame made from rust free/rr reinforced concrete base supplied and constructe supplied for fastening modules, enhanced for thef supply scheme 1.2 Solar Array mounting frame with specifications as 3.3 Solar Array mounting frame with specifications as 1.4 Solar Array mounting frame with specifications as 1.5 Solar Array mounting frame with specifications as			(7		(2)	(5)	(7) × (3)
Solar Array mounting frame made from rust free/ro reinforced concrete base supplied and constructed supplied for fastening modules, enhanced for thef supply scheme 1.2 Solar Array mounting frame with specifications as 3.3 Solar Array mounting frame with specifications as 1.4 Solar Array mounting frame with specifications as 1.5 Solar Array mounting frame with specifications as							
1.1 reinforced concrete base supplied and constructe supplied for fastening modules, enhanced for thef supply scheme 1.2 Solar Array mounting frame with specifications as 1.3 Solar Array mounting frame with specifications as 1.4 Solar Array mounting frame with specifications as 1.5 Solar Array mounting frame with specifications as	esistant aluminium metal supported by aluminium angle sections onto						
supplied for fastering modules, enhanced for thet supply scheme 1.2 Solar Array mounting frame with specifications as 3.3 Solar Array mounting frame with specifications as 3.4 Solar Array mounting frame with specifications as 5.5 Solar Array mounting frame with specifications as	d to specifications. Special bolts and nuts with arren-keys shall be		7	No	US Dollars		0.0
 Solar Array mounting frame with specifications as 	t-proof or spot welded as required by specifications for Kyamukonda water	r		NO	US Dollars		0.0
 Solar Array mounting frame with specifications as Solar Array mounting frame with specifications as Solar Array mounting frame with specifications as 							
 Solar Array mounting frame with specifications as Solar Array mounting frame with specifications as 	in 1.1 - Biiso water supply scheme		4	No	US Dollars		0.0
1.5 Solar Array mounting frame with specifications as			4	No	US Dollars		0.0
			4	No	US Dollars		0.0
			1	No	US Dollars		0.0
1.6 Solar Array mounting frame with specifications as			3	No	US Dollars		0.0
1.7 Solar Array mounting frame with specifications as			2	No	US Dollars		0.0
1.8 Solar Array mounting frame with specifications as			2	No	US Dollars		0.0
 Solar Array mounting frame with specifications as Solar Array mounting frame with specifications as 			4	No No	US Dollars US Dollars		0.0
1.10 Solar Array mounting frame with specifications as	In 1.1 - Olilim water supply scheme		3	NO	US Dollars		0.0
2 Solar Modules							
	ax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured						
	mber and MWE-label embedded within encapsulation, with anodized		140	No	US Dollars		0.0
aluminum frame; supplied and installed to specific							
2.2 Solar modules with specifications as in 2.1 - Biiso	water supply scheme		80	No	US Dollars		0.0
2.3 Solar modules with specifications as in 2.1 - Ulepi			80	No	US Dollars		0.0
2.4 Solar modules with specifications as in 2.1 - Inde v	vater supply scheme		80	No	US Dollars		0.0
2.5 Solar modules with specifications as in 2.1 - Kuru	water supply scheme		20	No	US Dollars		0.0
2.6 Solar modules with specifications as in 2.1 - Lefori	water supply scheme		60	No	US Dollars		0.0
2.7 Solar modules with specifcations as in 2.1 - Ayiilo		1	40	No	US Dollars	1	0.0
2.8 Solar modules with specifications as in 2.1 - Adilar		1	40	No	US Dollars	1	0.0
2.9 Solar modules with specifications as in 2.1 - Pallat	bek- Kal water supply scheme	1	80	No	US Dollars	1	0.0
2.10 Solar modules with specifications as in 2.1 - Olilim	water supply scheme	1	60	No	US Dollars		0.0
		1					
3 Power Inverter & Pump Controller							
	atible with submersible pumps, surface pumps using induction motors) with	1					
	d, 650VDC/ 415VAC-variable speed drive with MPPT technology, 50Hz						
	; Hybrid AC Power with solar priority; Built in remote monitor module;		1	No	US Dollars		0.0
	Full automatic operation. 8 years storage capacity for operation data; dry-run and full-tank shutoff protection; supplied and installed to						
specifictions for Kyamukonda water scheme	ury-run and run-tank shuton protection; supplied and installed to						
3.2 18.0kW Power Inverter & Pump Controller with sp	ecifcations as in 3.1 - Biiso water supply scheme		1	No	US Dollars		0.0
3.3 11.0kW Power Inverter & Pump Controller with sp			1	No	US Dollars		0.0
3.4 15.0kW Power Inverter & Pump Controller with sp			1	No	US Dollars		0.0
3.5 3.7kW Power Inverter & Pump Controller with spe			1	No	US Dollars		0.0
3.6 11.0kW Power Inverter & Pump Controller with sp			1	No	US Dollars		0.0
3.7 7.5kW Power Inverter & Pump Controller with spe			1	No	US Dollars		0.0
	cifcations as in 3.1 - Adilang water supply scheme		1	No	US Dollars		0.0
	ecifcations as in 3.1 - Pallabek- Kal water supply scheme		1	No	US Dollars		0.0
3.10 11.0kW Power Inverter & Pump Controller with sp			1	No	US Dollars		0.0
4 Water Pump							
	hr), multistage centrifugal submersible, 3-phase Induction motor, 380-400-						
4151/ 50Hz variable speed motor .0 77nf at rated	current, with capacity to deliver as per design (flunge connection type)						
	dry-run protection and all accessories; supplied and installed to		1	No	US Dollars		0.0
specifications for Kyamukonda water scheme	.,						
4.2 13.0kW water pump (Head=200m, vield=15.0m3/	hr) with specifcations as in 4.1 - Biiso water supply scheme		1	No	US Dollars		0.0
	r) with specifcations as in 4.1 - Ulepi water supply scheme		1	No	US Dollars		0.0
	r) with specifcations as in 4.1 - Inde water supply scheme		1	No	US Dollars		0.0
	with specifcations as in 4.1 - Kuru water supply scheme		1	No	US Dollars		0.0
) with specifications as in 4.1 - Lefori water supply scheme		1	No	US Dollars		0.0
) with specifications as in 4.1 - Ayiilo water supply scheme		1	No	US Dollars		0.0
) with specifications as in 4.1 - Adilang water supply scheme		1	No	US Dollars		0.0
	r) with specifications as in 4.1 - Pallabek- Kal water supply scheme		1	No	US Dollars		0.0
	r) with specifications as in 4.1 - Olilim water supply scheme	1	1	No	US Dollars		0.0
	,	1	l '		20 20/010		0.0
Well head assembly		1					
	to a construct on the discourse the difference of the difference o	1					
	in accordance to the pump installation depth; Well head assembly turn valve, Flanged Air release valve, inclusive of remote monitoring	1					
	ensor, flanged bulk digital electronic Water Meter) for interconnection with	1	10	No	US Dollars	1	0.0
	essories done to specifications and to the satisfaction of the engineer; for	1	.0		20 20/010		0.0
all water schemes in Lot	,	1					
		1					
		1					
Remote Monitoring Unit	etooth near field monitoring; IP 65 Protection grade; Ambient temperature (
Remote Monitoring Unit Data Monitors for GPRS remote monitoring & Blue	ion module to implement solar pumping system remote monitoring &	1	40			1	
Data Monitors for GPRS remote monitoring & Blue	e, monitor water pressure, water level and water flow within water meter;	1	10	No	US Dollars	1	0.0
Data Monitors for GPRS remote monitoring & Blue 25°C~+60°C); Integrated with 2G/4G communicat		1					
Data Monitors for GPRS remote monitoring & Blue 25°C~+60°C); Integrated with 2G/4G communicat		1					
6 Data Monitors for GPRS remote monitoring & Blue 25°C~+60°C); Integrated with 2G/4G communicat control. Supports in data collection of temperature		1	1	1		1	
Data Monitors for GPRS remote monitoring & Blux 25℃~~+60℃; Integrated with 2G/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set							1
Data Monitors for GPRS remote monitoring & Blue 295°(~~+60°); hiegarded with 264°C communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper	rator (Digital multimeter-rating 1000V, set of screw drivers, pliers, phase				110 D. #		
Data Monitors for GPRS remote monitoring & Blux 25°C~+60°C); htegrated with 2G/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren-1	rator (Digital multimeter-rating 1000V, set of screw drivers, pliers, phase keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in		10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Blue 295°-c-46°O; hiegardad with 2646 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper			10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+60°C; hiegarded with 23/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot			10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+60°C); htegrated with 2G/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Spare parts for repairs and replacements parts. A	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in		10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C): Integrated with 26'4C communication of the semantic control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren-Lot Spare parts for repairs and replacements Spare parts for repairs and replacements parts. A			10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+60°C); htegrated with 2G/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements parts Ar of and and and replacements parts. A GCC.7.3 for all sites in Lot	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in		10	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C; hiegrade with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Spare parts for repairs and replacements parts A Solar Modules-(Mono/Poly-crystalline 295Wp Vm	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by		10	No	US Dollars US Dollars		0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~~46°C; hiegards with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Spare parts for repairs and replacements Solar Modules-(Mono/Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40		US Dollars		
Data Monitors for GPR3 remote monitoring & Bluu 25°C~+60°C); htegrated with 2G/4G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Spare parts for repairs and replacements Spare parts for repairs and replacements Spare parts for repairs and replacements Solar Modules (Mono/ Poly-crystalline 295Wp Vm 8.1 using 650 UPC, 25 years warranty, with serial nur	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized				US Dollars US Dollars		
Data Monitors for GPRS remote monitoring & Bluu 25°C~~46°C; hiegards with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Spare parts for repairs and replacements Solar Modules-(Mono/Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40	No	US Dollars		0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+6°C); hiegarded with 23′4′G communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements GCC.7.3 for all sites in Lot Solar Modules-(Mono' Poly-crystaline 295/Wp Vm schamber 20°C,	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40 250	No	US Dollars US Dollars		0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C); hiegrade with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(Mon/ Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 PV-Disconnect Switch/ Minature Circuit breaker w 8.3 8.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40 250 250	No No No	US Dollars US Dollars US Dollars		0.0 0.0 0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+6°C): Integrated with 26'4C communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(MonOr Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 F0-Disconnect Switch/ Minature Circuit breaker w 8.3 6.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40 250 250 250	No No No	US Dollars US Dollars US Dollars US Dollars		0.0 0.0 0.0 0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C); hiegrade with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(Mon/ Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 PV-Disconnect Switch/ Minature Circuit breaker w 8.3 8.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized rith total capacity of 10A, 650VDC.		40 250 250 250	No No No	US Dollars US Dollars US Dollars US Dollars		0.0 0.0 0.0 0.0 0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C); hiegrade with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(Mon/ Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 PV-Disconnect Switch/ Minature Circuit breaker w 8.3 8.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by Iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized		40 250 250 250	No No No	US Dollars US Dollars US Dollars US Dollars US Dollars		0.0 0.0 0.0 0.0
Data Monitors for GPRS remote monitoring & Bluu 25°C~+6°C?; hiegraded with 26'46 communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(Mono/Poly-crystalline 295Wp Vm 8.1 Using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 PV-Disconnect Switch/ Minature Circuit breaker w 8.3 8.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized rith total capacity of 10A, 650VDC.		40 250 250 250	No No No	US Dollars US Dollars US Dollars US Dollars US Dollars US Dollars		0.0 0.0 0.0 0.0 0.0
Data Monitors for GPRS remote monitoring & Blux 25°C~+6°C): Integrated with 26'4C communicat control. Supports in data collection of temperature for all water schemes in Lot Equipment & Tool set Equipment & Tool set to be used by Scheme oper tester, Cable cutter, pliers, Hummer, set of Arren- Lot Spare parts for repairs and replacements Solar Modules-(MonOr Poly-crystalline 295Wp Vm 8.1 using 650 VDC, 25 years warranty, with serial nur aluminum frame 8.2 F0-Disconnect Switch/ Minature Circuit breaker w 8.3 6.4 DC750V Fuses	keys, Insulating tape-10pcs, adjustable wrench) for all water schemes in ttach a list of spare parts to be supplied within the contract as required by iax=31.74V, Imax=9.29A, 25yr warranty >16% cell efficiency) configured mber and MWE-label embedded within encapsulation, with anodized rith total capacity of 10A, 650VDC.		40 250 250 250	No No No	US Dollars US Dollars US Dollars US Dollars US Dollars		0.0 0.0 0.0 0.0 0.0

¹ Bidders shall enter a code representing the country of origin of all imported plant and equipment.
² Specify currency. Create and use as many columns for Unit Price and Total Price as there are currencies.

Electricity Access Scale Up Project (EASP)- Water Component Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim Schedule of Rates and Prices Schedule No. 2. Plant and Mandatory Spare Parts Supplied from Within the Employer's Country

	Schedule No. 2. Plant and Mandatory Spare Parts Sup	plied fror	n Within 1	the Employer's (
Item	Description	Qty	Unit	EXW Unit Price ^{1 (UGX)}	Sales and other taxes payable per line item if Contract is awarded (in accordance with	EXW Total Price
		(1)		(2)	ITB 17.5 (b) (ii) (3)	(1)x(2)
	DV Dissessed Outlet / Minstern Olissuit have bee					
1	PV-Disconnect Switch/ Minature Circuit breaker					
1.1	PV-Disconnect Switch/ Minature Circuit breaker with total capacity of 10A, 650VDC, to be installed at the terminating junction box of each penel, supplied to specifications for Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Avilio, Adilang, Pallabek- Kal and Ollim water supply scheme	7	No			0.0
1.2		4	No			0.0
	PV-Disconnect Switch with specifications as in 1.1 - Biiso water supply scheme	4	No			0.0
1.3	PV-Disconnect Switch with specifications as in 1.1 - Ulepi water supply scheme	4	No			0.0
1.4	PV-Disconnect Switch with specifications as in 1.1 - Inde water supply scheme	4	No No			0.0
1.5 1.6	PV-Disconnect Switch with specifications as in 1.1 - Kuru water supply scheme PV-Disconnect Switch with specifications as in 1.1 - Lefori water supply scheme	3	No			0.0
1.0	PV-Disconnect Switch with specifications as in 1.1 - Aviilo water supply scheme	2	No			0.0
1.8	PV-Disconnect Switch with specifications as in 1.1 - Adilang water supply scheme	2	No			0.0
1.9	PV-Disconnect Switch with specifications as in 1.1 - Pallabek- Kal water supply scheme	4	No			0.0
1.10	PV-Disconnect Switch with specifications as in 1.1 - Olilim water supply scheme	3	No			0.0
2	Change-over switch					
2.1	Change-over switch rated 80A 3-phase (TPN) 415V, manually operated and to be used for hybrid switching operation of Solar-PV system with Diesel generator system supplied to specifications for Kyamukonda, Bilso, Ulepi, Inde, Kuru, Lefori, Ayillo, Adilang, Pallabek- Kal and Olilim water supply scheme	1	No			0.0
		4	No			0.0
2.2	60A, 415V Change-over switch rated with specifications as in 2.1 - Biiso water supply scheme	1	No			0.0
2.3	60A, 415V Change-over switch rated with specifications as in 2.1 - Ulepi water supply scheme	1	No			0.0
2.4	60A, 415V Change-over switch rated with specifications as in 2.1 - Inde water supply scheme	1	No			0.0
2.5	60A, 415V Change-over switch rated with specifications as in 2.1 - Kuru water supply scheme	1	No			0.0
2.6	60A, 415V Change-over switch rated with specifications as in 2.1 - Lefori water supply scheme	1	No			0.0
2.7	60A, 415V Change-over switch rated with specifications as in 2.1 - Ayiilo water supply scheme	1	No			0.0
2.8	60A, 415V Change-over switch rated with specifications as in 2.1 - Adilang water supply scheme	1	No			0.0
2.9	60A, 415V Change-over switch rated with specifications as in 2.1 - Pallabek- Kal water supply scheme	1	No			0.0
2.10	60A, 415V Change-over switch rated with specifications as in 2.1 - Olilim water supply scheme	1	No			0.0
		-				
3	Assortment set of electrical cables, interconnects and accessories for complete system wiring, including					
3.1	redeemmen ses to subtract adultation interview whether a developed has no complete system finiting, instrumentary where necessary, underground cables, whether in full-conduit technique; supplies and installed to specifications Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayillo, Adilang, Pallabek- Kal and Olilim water supply scheme	1	No			0.0
3.2	Assortment set of electrical cables with specifications as in 2.1 - Biiso water supply scheme	1	No			0.0
3.3	Assortment set of electrical cables with specifications as in 2.1 - Ulepi water supply scheme	1	No			0.0
3.4	Assortment set of electrical cables with specifications as in 2.1 - Inde water supply scheme	1	No			0.0
3. 4 3.5	Assortment set of electrical cables with specifications as in 2.1 - True water supply scheme	1	No			0.0
3.6		1	No			
3.0	Assortment set of electrical cables with specifications as in 2.1 - Lefori water supply scheme Assortment set of electrical cables with specifications as in 2.1 - Ayiilo water supply scheme	1	No			0.0 0.0
3.8 3.8	Assortment set of electrical cables with specifications as in 2.1 - Adilang water supply scheme	1	No			0.0
3.9	Assortment set of electrical cables with specifications as in 2.1 - Pallabek- Kal water supply science	1	No			0.0
3.10	Assortment set of electrical cables with specifications as in 2.1 - Olilim water supply scheme	1	No			0.0
4	<u>System grounding</u> System grounding with equi-potential bonding to earth impedence lower than 5ohms; for all conducting parts within the installation including the inverter, array mounting frame, metal cabinets, and metal pipes supplied and installed to specifications for water supply schemes	10	No			0.0
5 5.1	Lightenning Protection system Lightenning Protection system set with spike, copper tape; including the lightening surge protection switch- gear at the main-junction box of solar array and AC-side of inverter; supplied and installed to specifications for Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim water supply scheme	3	No			0.0
5.2	Lightenning Protection system with specifications as in 2.1 - Biiso water supply scheme	2	No			0.0
5.3	Lightenning Protection system with specifications as in 2.1 - Ulepi water supply scheme	2	No			0.0
5.3 5.4	Lightenning Protection system with specifications as in 2.1 - Diepi water supply scheme	2	No			0.0
		1	No			0.0
5.5	Lightenning Protection system with specifications as in 2.1 - Kuru water supply scheme	2	No			
5.6 5.7	Lightenning Protection system with specifications as in 2.1 - Lefori water supply scheme Lightenning Protection system with specifications as in 2.1 - Ayillo water supply scheme	2	NO NO			0.0
5.7 5.8	Lightenning Protection system with specifications as in 2.1 - Ayillo water supply scheme Lightenning Protection system with specifications as in 2.1 - Adilang water supply scheme	1	NO NO			0.0
5.8 5.9	Lightenning Protection system with specifications as in 2.1 - Adilang water supply scheme Lightenning Protection system with specifications as in 2.1 - Pallabek- Kal water supply scheme	2	No			0.0
5.10	Lightening Protection system with specifications as in 2.1 - Planaber, kai water supply scheme Lightenning Protection system with specifications as in 2.1 - Ollim water supply scheme	2	No			0.0
	Auxilliary Solar-PV Lighting system					
6	Auxiliary solar-PV lighting system featuring a 2x240Wp solar modules, 1x750Wp inverter, module mounting, 1x20A Regulator, 2x20Ah Battery, 6-11W/240VAC Lights, with switches, sockets, and lamp holders complete supplied and installed to specifications for all water schemes in Lot	10	No			0.0
	Alarm system					
-	Alarm system set with siren for intrusion and safety protection of solar modules, where intrusion detection					
7	is based on mechanical vibrations/ tampering of the solar array structure, wired and integrated within the installation; complete with all accessories; for all water schemes in Lot	10	No			0.0
8	Pre-assembled string combiner box					
8.1	Pre-assembled string combiner box (SCB) to support 8 strings of solar modules inclusive of associated accessories supplied to specifications for for Kyamukonda water supply scheme	1	No			0.0
	TOTAL (to Schedule No. 5. Grand Sumr	nary)		1		0.0
					Name of Bidder	
					Signature of Bidder	

1 Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1

Electricity Access Scale Up Project (EASP)- Water Component

Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim Schedule of Rates and Prices

Schedule of Ra	ates and Prices
Schedule No. 3.	Design Services

		Doolgii (Uni	t Price ¹	
Item	Description	Qty.	Unit	Local Currency Portion	Foreign Currency Portion	Total Price ¹
		(1)		(2)	(optional)	(1)x(2)
1	Design Services					
1.1	Design services for Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim water supply scheme	1	lumpsum			0.0
1.2	Design services for Biiso water supply scheme	1	lumpsum			0.0
1.3	DDesign services for Ulepi water supply scheme	1	lumpsum			0.0
1.4	Design services for Inde water supply scheme	1	lumpsum			0.0
1.5	Design services for Kuru water supply scheme	1	lumpsum			0.0
1.6	Design services for Lefori water supply scheme	1	lumpsum			0.0
1.7	Design services for Ayiilo water supply scheme	1	lumpsum			0.0
1.8	Design services for Adilang water supply scheme	1	lumpsum			0.0
1.9	Design services for Pallabek- Kal water supply scheme	1	lumpsum			0.0
1.10	Design services for Olilim water supply scheme	1	lumpsum			0.0
	TOTAL (to Schedule No. 5.	Grand Sun	nmary)	<u> </u>		0.0
					Name of Bidder	
					Signature of Bidder	

Electricity Access Scale Up Project (EASP)- Water Component Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim Schedule of Rates and Prices Schedule No. 4. Installation and Other Services

Image: Contractual Requirements Portion (2) <	al Currency ortion (3)	I Price ¹) Local (1)x(3) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
1 Contractual Requirements 1.1 Processing of Perfomance Security 1 1.2 Processing of Advance Payment Guarantee 1 1.3 Processing of Contractor's All Risk Insurance with Employer and its associates as co-insured for Lot 1 2 Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization, Camp Set-up. Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No	rtion (3)	0.0 0.0 0.0
1.1 Processing of Perfomance Security 1 lumpsum 1.2 Processing of Advance Payment Guarantee 1 lumpsum 1.3 Processing of Contractor's All Risk Insurance with Employer and its associates as co-insured for Lot 1 lumpsum 2 Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization, Setting up camp, Demobilization Moves 10 No		0.0 0.0
1.2 Processing of Advance Payment Guarantee 1 lumpsum 1.3 Processing of Contractor's All Risk Insurance with Employer and its associates as co-insured for Lot 1 lumpsum 2 Site Sign Board 1 lumpsum 4 Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization, Camp Set-up. Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No		0.0 0.0
1.3 Processing of Contractor's All Risk Insurance with Employer and its associates as co-insured for Lot 1 lumpsum 2 Site Sign Board Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization. Camp Set-up. Demobilization Mobilisation on completion of works and costs associated with 10 No		0.0
1.3 Lot 1 iumpsum 2 Site Sign Board Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization. Camp Set-up. Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No		
2 Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization, Camp Set-up, Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No		0.0
2 Manufacture, transport and erect site sign boards designed as directed by Employer for all sites done to satisifaction of the supervising engineer for all water schemes in Lot 10 No 3 Mobilization, Camp Set-up, Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No		0.0
2 done to satisifaction of the supervising engineer for all water schemes in Lot 10 NO Mobilization, Camp Set-up, Demobilization Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with 10 No		0.0
3 Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with		
3 Mobilisation, setting up camp, Demobilisation on completion of works and costs associated with		
		0.0
entry and exit from all sites in Lot		0.0
Onsite Storage		
4 Contractor's onsite storage of consignement and supplies on site, and Security of all energy- package installations for the period up to end of Defect Liability for sites in Lot 10 No		0.0
5 <u>Employer's Requirements</u> Availl under lease One (1) Transport vehicle as specified in Volume 4; Item 5.1, for use by the		
5 1a Employer's Supervision Team over a total period of 39 months; Completion and Operational		0.0
Acceptance (15 months) and Defects Liability Period (24 months); for an approximate total mileage of 70,000Km.		
Provide for Operation and Maintence of the Vehicle: Comprehensive Insurance at all times:		0.0
5.1b Routine Servicing, Tyre Replacements and Fuel for an approximate total mileage of 70,000Km.		0.0
Plan, coordinate, facilitate and implement Employer's due-diligence inspection, verification of		
5.2 sources/manufacturers for inverters, pumps, and solar modules plus witnessing functional tests at the factory where these are manufactured as described in GCC Clause 23.8, and further		0.0
specified in Volume 4; Item 5.2.		
Implementation of the Environment and Social Management Plan; including mitigation of all stated		
5.3 negative impacts; plus the environment, health and safety policy; in accordance with the guidelines of the ESIA and environemntal safeguards of World Bank for all the sites in the Lot as 1 lumpsum		0.0
further detailed in Volume 4; Item 5.3.		
Create Site access, land easements and expansion of access roads to all sites in Lot; such that 5.4 all sites are easily accessible by transport means (on foot, bicycle, motor-cycle and vehicle) for 1 lumpsum		0.0
all sites in the Lot as further described in Volume 4: Item 5.4.		
5.5 Undertake Community Mobilization, training of operators and water boards in operation and 1 lumpsum		0.0
Design and production of IEC Materials and 0&M manuals, Record keeping books and Facility 5.6 Data-plate well laminated-framed and hang on the wall inside the pump house for all the schemes 1 lumpsum		0.0
in the Lot as described in Volume 4; Item 5.6.		
Plan, coordinate, facilitate and implement Employers' operational system testing, 5.7 precommissioning, Operational acceptance monitoring, plus final commissioning and handover of 1 lumpsum		0.0
5.7 precommissioning, Operational acceptance monitoring, plus final commissioning and handover of 1 lumpsum facility for all schemes in Lot as described in Volume 4; Item 5.7		0.0
6 <u>Grabbing of site</u> Grabbing of site, free of grass, shrubs, levelling and other related earth-moving works, done to		
6.1 the satisifaction of the Engineer for the square metre area where the entire installation will be 2016.0 m ² placed_Kyamukonda Water Supply system		0.0
6.2 Grabbing of site for specified square meter done to specifications refered in 6.1 - Biiso water		0.0
supply scheme		0.0
supply scheme		
6.4 supply scheme 1008.0 m ⁴		0.0
6.5 Grabbing of site for specified square meter done to specifications refered in 6.1 - Kuru water 500.0 m ²		0.0
6.6 Grabbing of site for specified square meter done to specifications refered in 6.1 - Lefori water 1008.0 m ²		0.0
6.7 Grabbing of site for specified square meter done to specifications refered in 6.1 - Ayiilo water 600.0 m ²		0.0
supply scheme Grabhing of site for specified square meter done to specifications referred in 6.1 - Adjang water		
6.8 supply scheme Grabbing of allo constitutions referred in 6.1. Pallabek, Kal		0.0
6.9 water supply scheme 1006.0 m		0.0
6.10 Grabbing of site for specified square meter done to specifications referred in 6.1 - Olilim water 1008.0 m ²		0.0
Guard House		0.0 0.0
Guard House Construct the Guard house with a water borne toilet inclusive of scheme water tank and soak pit		
7 as per drawing No.1 and done to specifications and to the satsifaction of the engineer for water 10 No scheme		0.0

	Pump House Construct the Pump house as per drawing No.1 and done to specifications and to the satsifaction				
8	of the engineer for water scheme	10	No		0.0
9	Fencing and Gate				
9	Construct a fence with reinforced concrete post (100mmx100mm cross section area) with rust-				
9.1	free chain link of wire gauge-12.5 with plastered brick curtain wall and razor wire done to	284	m		0.0
	specifications per Linear meter and to the satsifaction of the engineer for Kyamukonda Water Supply system				
9.2	Construct a fence with reinforced concrete post done to specifications in 9.1 for Biiso Water	142	m		0.0
	Supply system Construct a fence with reinforced concrete post done to specifications in 9.1 for Ulepi Water				0.0
9.3	Supply system	142	m		0.0
9.4	Construct a fence with reinforced concrete post done to specifications in 9.1 for Inde Water	142	m		0.0
9.5	Supply system Construct a fence with reinforced concrete post done to specifications in 9.1 for Kuru water	90	m		0.0
9.5	supply scheme	90			0.0
9.6	Construct a fence with reinforced concrete post done to specifications in 9.1 for Lefori Water Supply system	142	m		0.0
9.7	Construct a fence with reinforced concrete post done to specifications in 9.1 for Ayiilo water	142	m		0.0
	supply scheme Construct a fence with reinforced concrete post done to specifications in 9.1 for Adilang Water				
9.8	Supply system	142	m		0.0
9.9	Construct a fence with reinforced concrete post done to specifications in 9.1 for Pallabek- Kal water supply scheme	142	m		0.0
9.10	Construct a fence with reinforced concrete post done to specifications in 9.1 for Olilim Water	142	m		0.0
0.10	Supply system				0.0
10	Pre-cast garden kerbs				0.0
	Construct pre-cast garden kerbs (width 75mm,height 150mm), with base embedded in 150mm				
10.1	widex100mm thick mass concrete around solar array area off-set 1m from foundation studs and works done to specifications per linear metre and to the satsifaction of the engineer for	248.8	m		0.0
	Kyamukonda Water Supply system				
10.2	Construct pre-cast garden kerbs done to specifications in 10.1 for Biiso Water Supply system	124.4	m		0.0
10.3	Construct pre-cast garden kerbs done to specifications in 10.1 for Ulepi Water Supply system	124.4	m		0.0
10.4	Construct pre-cast garden kerbs done to specifications in 10.1 for Inde Water Supply system	124.4	m		0.0
10.5	Construct pre-cast garden kerbs done to specifications in 10.1 for Kuru water supply scheme	63.4	m		0.0
10.6	Construct pre-cast garden kerbs done to specifications in 10.1 for Lefori Water Supply system	124.4	m		0.0
10.0					0.0
10.7	Construct pre-cast garden kerbs done to specifications in 10.1 for Ayiilo water supply scheme	78.0	m		0.0
10.8	Construct pre-cast garden kerbs done to specifications in 10.1 for Adilang Water Supply system	78.0	m		0.0
10.9	Construct pre-cast garden kerbs done to specifications in 10.1 for Pallabek- Kal water supply	124.4	m		0.0
10.5	scheme	124.4			0.0
10.10	Construct pre-cast garden kerbs done to specifications in 10.1 for Olilim Water Supply system	124.4	m		0.0
	.				0.0
11	Machine crushed stone aggregate Provide and place machine crushed stone aggregate of size 25mm, for a layer of thickness				0.0
11.1	75mm placed within the square metre area covered by solar array, done to specifications and	719.4	m²		0.0
	satisifaction of the Engineer for Kyamukonda Water Supply system Provide and place machine crushed stone aggregate done to specifications in 11.1 for Biiso				
11.2	Water Supply system	124.4	m²		0.0
11.3	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Ulepi Water Supply system	359.7	m²		0.0
11.4	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Inde	359.7	m²		0.0
	Water Supply system Provide and place machine crushed stone aggregate done to specifications in 11.1 for Kuru				
11.5	water supply scheme	105.2	m²		0.0
11.6	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Lefori Water Supply system	359.7	m²		0.0
11.7	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Ayillo	191.8	m²		0.0
11.7	water supply scheme	131.0	1117		0.0
11.8	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Adilang Water Supply system	191.8	m²		0.0
11.9	Provide and place machine crushed stone aggregate done to specifications in 11.1 for Pallabek-	359.7	m²		0.0
44.40	Kal water supply scheme Provide and place machine crushed stone aggregate done to specifications in 11.1 for Olilim	050 7			
11.10	Water Supply system	359.7	m²		0.0
					0.0

12	Site landscaping					0.0
	Site landscaping including planting of grass, and construction of drainage channels to prevent					
12.1	surface runn-off as well as water logging during rainy seasons; clearing the site off all the debris as required for Kyamukonda Water Supply system (square meter)	1284.6	m²			0.0
10.0	Site landscaping done to specification as refered to 12.1 for Bilso Water Supply system (square					
12.2	meter)	636.3	m²			0.0
12.3	Site landscaping done to specification as refered to 12.1 for Ulepi Water Supply system (square	636.3	m²			0.0
	meter) Site landscaping done to specification as refered to 12.1 for Inde Water Supply system (square					
12.4	meter)	636.3	m²			0.0
12.5	Site landscaping done to specification as refered to 12.1 for Kuru Water Supply system (square	382.8	m²			0.0
12.0	meter) Other land a sector of the sector of the 40.4 for Laferi Water Complexity of the sector of th	002.0				0.0
12.6	Site landscaping done to specification as refered to 12.1 for Lefori Water Supply system (square meter)	636.3	m²			0.0
12.7	Site landscaping done to specification as refered to 12.1 for Ayiilo Water Supply system (square	382.8	m²			0.0
12.7	meter)	302.0				0.0
12.8	Site landscaping done to specification as refered to 12.1 for Adilang Water Supply system (square meter)	396.2	m²			0.0
40.0	Site landscaping done to specification as refered to 12.1 for Pallabek- Kal Water Supply system	000.0				
12.9	(square meter)	636.3	m²			0.0
12.10	Site landscaping done to specification as refered to 12.1 for Olilim Water Supply system (square	636.3	m²			0.0
	meter)					
13	Solar Array mounting frame Installation					
13.1	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Kyamukonda water supply	7	No		0.0	
15.1	scheme	'	NO		0.0	
13.2	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Biiso water supply scheme	4	No		0.0	
13.3	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Ulepi water supply scheme	4	No		0.0	
13.4	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Inde water supply scheme	4	No		0.0	
13.5	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Kuru water supply scheme	1	No		0.0	
13.6	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Lefori water supply	3	No		0.0	
	scheme	-				
13.7	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Ayiilo water supply scheme	2	No		0.0	
13.8	Install Solar Array mounting frame in Schedule 1 to Specifcations for - Adilang water supply	2	No		0.0	
10.0	scheme	-	NO		0.0	
13.9	Install Solar Array mounting frame in Schedule 1 to Specifcationse for - Pallabek- Kal water supply scheme	4	No		0.0	
40.40	Install Solar Array mounting frame in Schedule 1 to Specifications for - Olilim water supply	3	Nie		0.0	
13.10	scheme	3	No		0.0	
14	Solar Module Installation					
1/1	Install Solar modules in Schodule 1 to Specifications for Kyomukanda water supply schome	140	No		0.0	
14.1 14.2	Install Solar modules in Schedule 1 to Specifications for - Kyamukonda water supply scheme Install Solar modules in Schedule 1 to Specifications for - Bijso water supply scheme	140 80	No No		0.0	
14.2	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme	80	No		0.0	
14.2 14.3	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme	80 80	No No		0.0 0.0	
14.2	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme	80	No		0.0	
14.2 14.3 14.4 14.5	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme	80 80 80 20	No No No		0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme	80 80 80 20 60	No No No No		0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayilo water supply scheme	80 80 20 60 40	No No No No No		0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme	80 80 20 60 40	No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Pallabek- Kal water supply scheme	80 80 20 60 40 40 80	No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme	80 80 20 60 40	No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Pallabek- Kal water supply scheme	80 80 20 60 40 40 80	No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10 15	Install Solar modules in Schedule 1 to Specifications for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifications for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ayillo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifications for - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme	80 80 20 60 40 40 80 60	No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10	Install Solar modules in Schedule 1 to Specifications for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ulepi water supply scheme Install Solar modules in Schedule 1 to Specifications for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifications for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifications for - Pallabek. Kal water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme	80 80 20 60 40 40 80	No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
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14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10 15 15.1 15.2 15.3 15.4 15.5 15.6 15.7 15.8	Install Solar modules in Schedule 1 to Specifications for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifications for - Idey water supply scheme Install Solar modules in Schedule 1 to Specifications for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ayilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ayilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ayilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install 30.0kW Power Inverter & Pump controller in Schedule 1 to Specifications for - Kyamukonda water supply scheme Install 13.0kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Ulepi water supply scheme Install 11.0kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Inde water supply scheme Install 3.7kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Inde water supply scheme Install 1.0kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Lefori water supply scheme Install 1.0kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Lefori water supply scheme Install 1.0kW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Lefori water supply scheme	80 80 20 60 40 40 80 60 1 1 1 1 1 1 1 1 1 1 1 1	No No No No No No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10 15 15.1 15.2 15.3 15.4 15.5 15.6 15.7	Install Solar modules in Schedule 1 to Specifications for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ide water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Aviilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Aviilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install 30.0KW Power Inverter & Pump controller in Schedule 1 to Specifications for - Kyamukonda water supply scheme Install 18.0KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Biiso water supply scheme Install 15.0KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Ide water supply scheme Install 3.7KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Kuru water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Lefori water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Aviilo water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Aviilo water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Adiang water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Adiang water supply scheme Install 7.	80 80 20 60 40 40 60 60 1 1 1 1 1 1 1 1 1	No No No No No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10 15 15.1 15.2 15.3 15.4 15.5 15.6 15.7 15.8	Install Solar modules in Schedule 1 to Specifcations for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Inde water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Adilang water supply scheme Install Solar modules in Schedule 1 to Specifcations for - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifcations - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifcations - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifcations - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifcations - Pallabek- Kal water supply scheme Install 30.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Kyamukonda water supply scheme Install 18.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Ulepi water supply scheme Install 15.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Inde water supply scheme Install 15.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Lefori water supply scheme Install 7.5kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Lefori water supply scheme Install 7.5kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Adilang water supply scheme Install 7.5kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Adilang water supply scheme Install 15.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Adilang water supply scheme Install 15.0kW Power Inverter & Pump Controller in Schedule 1 to Specifcations for - Adilang water supply scheme	80 80 20 60 40 40 80 60 1 1 1 1 1 1 1 1 1 1 1 1	No No No No No No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
14.2 14.3 14.4 14.5 14.6 14.7 14.8 14.9 14.10 15 15.1 15.2 15.3 15.4 15.5 15.6 15.7 15.8 15.9	Install Solar modules in Schedule 1 to Specifications for - Biiso water supply scheme Install Solar modules in Schedule 1 to Specifications for - Ide water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Kuru water supply scheme Install Solar modules in Schedule 1 to Specifications for - Lefori water supply scheme Install Solar modules in Schedule 1 to Specifications for - Aviilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Aviilo water supply scheme Install Solar modules in Schedule 1 to Specifications for - Pallabek- Kal water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install Solar modules in Schedule 1 to Specifications - Olilim water supply scheme Install 30.0KW Power Inverter & Pump controller in Schedule 1 to Specifications for - Kyamukonda water supply scheme Install 18.0KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Biiso water supply scheme Install 15.0KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Ide water supply scheme Install 3.7KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Kuru water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Lefori water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Aviilo water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Aviilo water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Adiang water supply scheme Install 7.5KW Power Inverter & Pump Controller in Schedule 1 to Specifications for - Adiang water supply scheme Install 7.	80 80 20 60 40 40 80 60 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No No No No No No No No No No No No No		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	

16	Water Pump Installation Install 22.0kW water pump in Schedule 1 to Specifcations for - Kyamukonda water supply					
16.1	scheme	1	No		0.0	
16.2	Install 13.0kW water pump in Schedule 1 to Specifications for - Biiso water supply scheme	1	No		0.0	
16.3 16.4	Install 9.2kW water pump in Schedule 1 to Specifcations for - Ulepi water supply scheme Install 11.0kW water pump in Schedule 1 to Specifcations for - Inde water supply scheme	1 1	No No		0.0 0.0	
16.5	Install 2.2kW water pump in Schedule 1 to Specifications for - Kuru water supply scheme	1	No		0.0	
16.6	Install 7.5kW water pump in Schedule 1 to Specifcations for - Lefori water supply scheme	1	No		0.0	
16.7	Install 4.0kW water pump in Schedule 1 to Specifcations for - Ayiilo water supply scheme	1	No		0.0	
16.8	Install 4.0kW water pump in Schedule 1 to Specifcations for - Adilang water supply scheme	1	No		0.0	
16.9	Install 9.2kW water pump in Schedule 1 to Specifications for - Pallabek- Kal water supply scheme	1	No		0.0	
16.10	Install 7.5kW water pump in Schedule 1 to Specifcations - Olilim water supply scheme	1	No		0.0	
	Well head assembly Installation					
17	Install Drop pipes for water pump made from PE/ HDPE in accordance to the pump installation depth inclusive of the Well head assembly structures and associated accessories done to specifications and to the satisfaction of the engineer for all water schemes in Lot	10	No		0.0	
	Remote Monitoring Unit Installation					
18	Install Data Monitors in Schedule 1 to Specifications for all water schemes in Lot including all associatated accessories in order for remote monitoring to be done	10	No		0.0	
19	PV-Disconnect Switch/ Minature Circuit breaker Installation					
19.1	Install PV-Disconnect Switch in Schedule 2 to Specifcations - Kyamukonda water supply scheme	7	No			0.0
19.2	Install PV-Disconnect Switch in Schedule 2 to Specifcations - Biiso water supply scheme	4	No			0.0
19.3	Install PV-Disconnect Switch in Schedule 2 to Specifications - Ulepi water supply scheme	4	No			0.0
19.4	Install PV-Disconnect Switch in Schedule 2 to Specifications - Inde water supply scheme	4	No			0.0
19.5 19.6	Install PV-Disconnect Switch in Schedule 2 to Specifcations - Kuru water supply scheme Install PV-Disconnect Switch in Schedule 2 to Specifcations - Lefori water supply scheme	3	No No			0.0 0.0
19.7	Install PV-Disconnect Switch in Schedule 2 to Specifications - Lefon water supply scheme	2	No			0.0
19.8	Install PV-Disconnect Switch in Schedule 2 to Specifications - Adilang water supply scheme	2	No			0.0
19.9	Install PV-Disconnect Switch in Schedule 2 to Specifications - Pallabek- Kal water supply scheme	4	No			0.0
19.10	Install PV-Disconnect Switch in Schedule 2 to Specifications - Olilim water supply scheme	3	No			0.0
19.10		3	NO			0.0
20	Change-over switch					
20.1	Install 80A Change-over switch in Schedule 2 to Specifcations - Kyamukonda water supply scheme	1	No			0.0
20.2	Install 60A Change-over switch in Schedule 2 to Specifications - Biiso water supply scheme	1	No			0.0
20.3	Install 60A, Change-over switch in Schedule 2 to Specifications - Ulepi water supply scheme	1	No			0.0
20.4	Install 60A, Change-over switch in Schedule 2 to Specifications - Inde water supply scheme	1	No			0.0
20.5		1	No			0.0
20.5	Install 60A, Change-over switch in Schedule 2 to Specifications - Kuru water supply scheme	1	No			0.0
	Install 60A, Change-over switch in Schedule 2 to Specifications - Lefori water supply scheme					
20.7	Install 60A, Change-over switch in Schedule 2 to Specifcations - Ayiilo water supply scheme	1	No			0.0
20.8	Install 60A, Change-over switch in Schedule 2 to Specifications - Adilang water supply scheme	1	No			0.0
20.9	Install 60A, Change-over switch in Schedule 2 to Specifcations - Pallabek- Kal water supply scheme	1	No			0.0
20.10	Install 60A, Change-over switch in Schedule 2 to Specifcations - Olilim water supply scheme	1	No			0.0
21	Assortment set of electrical cables Installation Install Assortment set of electrical cables in Schedule 2 to Specifcations - Kyamukonda water					
21.1	supply scheme	1	No			0.0
21.2	Install Assortment set of electrical cables in Schedule 2 to Specifications - Biiso water supply scheme	1	No			0.0
21.3	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Ulepi water supply scheme	1	No			0.0
21.4	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Inde water supply scheme	1	No			0.0
21.5	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Kuru water supply scheme	1	No			0.0
21.6	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Lefori water supply scheme	1	No			0.0
21.7	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Ayiilo water supply scheme	1	No			0.0
21.8	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Adilang water supply scheme	1	No			0.0
21.9	Install Assortment set of electrical cables in Schedule 2 to Specifcations - Pallabek- Kal water	1	No			0.0
21.10	supply scheme Install Assortment set of electrical cables in Schedule 2 to Specifcations - Olilim water supply	1	No			0.0
	scheme					2.0
	System grounding Installation					
22	Install System grounding with equi-potential bonding in Schedule 2 to Specifcations for all water schemes in lot	10	No			0.0

23.1 scheme 23.2 Install Lightenning Protection system in 23.3 Install Lightenning Protection system in 23.4 Install Lightenning Protection system in 23.5 Install Lightenning Protection system in 23.6 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.8 Install Lightenning Protection system in 23.9 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in	in Schedule 2 to Specifcations- Kyamukonda water supply in Schedule 2 to Specifcations- Biiso water supply scheme in Schedule 2 to Specifcations- Ulepi water supply scheme in Schedule 2 to Specifcations- Inde water supply scheme in Schedule 2 to Specifcations- Kuru water supply scheme in Schedule 2 to Specifcations- Lefori water supply scheme in Schedule 2 to Specifcations- Ayilio water supply scheme in Schedule 2 to Specifcations- Ayilio water supply scheme in Schedule 2 to Specifcations- Ayilio water supply scheme in Schedule 2 to Specifcations- Adilang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme	3 2 2 1 2 1 1 2 2 2 10	No No No No No No No				0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
 23.3 Install Lightenning Protection system in 23.4 Install Lightenning Protection system in 23.5 Install Lightenning Protection system in 23.6 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.8 Install Lightenning Protection system in 23.9 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.11 Install Lightenning Protection system in 23.12 Install Lightenning Protection system in 23.13 Install Lightenning Protection system in 23.14 Install Lightenning Protection system in 23.15 Install Lightenning Protection system in 	in Schedule 2 to Specifcations- Ulepi water supply scheme in Schedule 2 to Specifcations- Inde water supply scheme in Schedule 2 to Specifcations- Kuru water supply scheme in Schedule 2 to Specifcations- Lefori water supply scheme in Schedule 2 to Specifcations- Ayiilo water supply scheme in Schedule 2 to Specifcations- Adilang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme in Schedule 2 to Specifcations- Olilim water supply scheme	2 2 1 2 1 1 2 2	No No No No No No				0.0 0.0 0.0 0.0 0.0 0.0 0.0
 23.4 Install Lightenning Protection system in 23.5 Install Lightenning Protection system in 23.6 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.8 Install Lightenning Protection system in 23.9 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 24 Install Auxiliary solar-PV lighting system 	in Schedule 2 to Specifcations- Inde water supply scheme in Schedule 2 to Specifcations- Kuru water supply scheme in Schedule 2 to Specifcations- Lefori water supply scheme in Schedule 2 to Specifcations- Ayiilo water supply scheme in Schedule 2 to Specifcations- Adilang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme in Schedule 2 to Specifcations- Olilim water supply scheme	2 1 1 1 2 2 2	No No No No No				0.0 0.0 0.0 0.0 0.0
 23.5 Install Lightenning Protection system in 23.6 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.8 Install Lightenning Protection system in 23.9 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 24 Install Auxiliary solar-PV lighting system 	in Schedule 2 to Specifcations- Kuru water supply scheme in Schedule 2 to Specifcations- Lefori water supply scheme in Schedule 2 to Specifcations- Aylilo water supply scheme in Schedule 2 to Specifcations- Adliang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme Linstallation	1 2 1 1 2 2	No No No No No				0.0 0.0 0.0 0.0 0.0
 23.6 Install Lightenning Protection system in 23.7 Install Lightenning Protection system in 23.8 Install Lightenning Protection system in 23.9 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 23.10 Install Lightenning Protection system in 24 Install Auxiliary solar-PV lighting system 	in Schedule 2 to Specifcations- Lefori water supply scheme in Schedule 2 to Specifcations- Ayiilo water supply scheme in Schedule 2 to Specifcations- Adilang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme Linstallation	2 1 1 2 2	No No No No				0.0 0.0 0.0 0.0
 23.7 Install Lightenning Protection system in scheme 23.8 Install Lightenning Protection system in scheme 23.9 Install Lightenning Protection system in scheme 23.10 Install Lightenning Protection system in scheme 23.10 Install Lightenning Protection system in Install Lightenning Protection system in	in Schedule 2 to Specifcations- Ayiilo water supply scheme in Schedule 2 to Specifcations- Adilang water supply in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Oilim water supply scheme <u>Installation</u>	1 1 2 2	No No No				0.0 0.0 0.0
 23.8 Install Lightenning Protection system is scheme 23.9 Install Lightenning Protection system is scheme 23.10 Install Lightenning Protection system in Auxiliary solar-PV lighting system install Auxiliary solar-PV lighting system lot 	in Schedule 2 to Specifcations - Adilang water supply in Schedule 2 to Specifcations - Pallabek - Kal water supply in Schedule 2 to Specifcations - Olilim water supply scheme	1 2 2	No No No				0.0
23.8 scheme 23.9 Install Lightenning Protection system in scheme 23.10 Install Lightenning Protection system in scheme 23.10 Install Lightenning Protection system in scheme 24 Install Auxiliary solar-PV lighting system lot	in Schedule 2 to Specifcations- Pallabek- Kal water supply in Schedule 2 to Specifcations- Olilim water supply scheme	2	No				0.0
23.9 Install Lightenning Protection system is scheme 23.10 Install Lightenning Protection system in Auxiliary solar-PV lighting system in Install Auxiliary solar-PV lighting system lot	in Schedule 2 to Specifcations- Olilim water supply scheme	2	No				
Auxiliary solar-PV lighting system Install Auxiliary solar-PV lighting system lot	Installation						0.0
24 Install Auxiliary solar-PV lighting system lot		10	No				
Alarm system Installation			INU				0.0
25 Install Alarm system set with siren for schemes in lot	intrusion in Schedule 2 to Specifcations for all water	10	No				0.0
26 Pre-assembled string combiner bo Install Pre-assembled string combiner Specifcations- Kyamukonda water sup	box (SCB) to support 6 strings in Schedule 2 to	1	No				0.0
measuring and conducting functional to	vissioning plus all costs associated with special kits for tests as well as record keeping and analysis to ensure that well as monitoring, plus final commissioning and handover	10	No				0.0
	te including Solar array and Systems Layout, electrical pies-printed in full-colour and well bound in a booklet) to	10	No				0.0
29 bought from manufacturers which is ca maintenance on purchaser's dispense a) Solar water pumping inverter: 5year b) Solar modules: 25 years for materia	rs from the date of installation at site als and workmanship from the date of installation at site; power no less than 90% of rated power in 10 years and no	10	No			0.0	
training in Operations and Maintenanc	nall provide full day re-orientation solar water pumping user ce per scheme to the employer's personnel at the end of emphasis placed on remote sensing capabilities	10	No			0.0	0.0
	TOTAL (to Schedule No. 5. Grand Summary)			L		0.0	0.0
					Name of Bidder		
					Signature of Bidder		
					Binder		

Electricity Access Scale Up Project (EASP)- Water Component

Lot 2: Supply, Installation and Commissioning of 10 Solar Photovoltaic (PV) Energy Packages for Water Supply Schemes in Kyamukonda, Biiso, Ulepi, Inde, Kuru, Lefori, Ayiilo, Adilang, Pallabek- Kal and Olilim

Schedule of Rates and Prices

Schedule No. 5 Grand Summary

Item	Description	Total F	Price ¹
nom	Description	Foreign	Local
1	Total Schedule No. 1. Plant, and Mandatory Spare Parts Supplied from Abroad	0.0	
2	Total Schedule No. 2. Plant, and Mandatory Spare Parts Supplied from Within the Employer's Country		0.0
3	Total Schedule No. 3. Design Services		0.0
4	Total Schedule No. 4. Installation and Other Services	0.0	0.0
	TOTAL	0.0	0.0
<u>.</u>	Add 10% Contingency		
	Add 18% VAT		
	GRAND TOTAL (to Letter of Bid)		
		Name of Bidder	
		Signature of Bidder	