



THE KENYA POWER AND LIGHTING COMPANY PLC

**KENYA OFF-GRID SOLAR ACCESS PROJECT FOR UNDERSERVED COUNTIES
(KOSAP)**

Volume III

Schedule of Rates and Prices

**Design, Supply, Installation and Commissioning of Stand Alone Solar
Photovoltaic Systems with Battery Energy Storage for Community Facilities
in Turkana, West Pokot, Isiolo, Marsabit, Samburu, Mandera, Wajir,
Garissa, Lamu, Tana River, Kilifi, Kwale, Taita Taveta and Narok Counties
in Kenya with 7 years O&M Services**

RFB: KP1/6A.1/PT/2/21/A76

Credit No. 6135: Project ID No P160009

23RD SEPTEMBER 2021

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PRICE SCHEDULE LOT 1						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 1-101	1200 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	54		
Lot 1-102	1500 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	21		
Lot 1-103	1800 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	6		
Lot 1-104	2100 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	3		
Lot 1-105	2400 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 1-106	3300 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 1-107	3600 Wp Standard monoercystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 1-108	4200 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 1-109	4500 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 1-110	5100 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 1-111	5700 Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
	Sub-total SPV Modules					
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 1-112	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	54		
Lot 1-113	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	21		
Lot 1-114	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	6		
Lot 1-115	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	3		
Lot 1-116	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 1-117	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 1-118	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 1-119	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 1-120	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 1-121	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 1-122	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 1-123	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
	Sub-total Module Mounting (Fixed-tilt racking) Structure(s)					
Solar PV Inverters						
Lot 1-124	4125W Solar PV Inverter		No.	1		
Lot 1-125	4500W Solar PV Inverter		No.	1		
Lot 1-126	5250W Solar PV Inverter		No.	2		
Lot 1-127	5625W Solar PV Inverter		No.	1		
Lot 1-128	6375W Solar PV Inverter		No.	1		
Lot 1-129	7125W Solar PV Inverter		No.	2		
	Sub-total Solar PV Inverters					
Battery Inverter/Charger						
Lot 1-130	1000W Battery Inverter/Charger		No.	77		
Lot 1-131	1500W Battery Inverter/Charger		No.	11		
Lot 1-132	2500W Battery Inverter/Charger		No.	4		
Lot 1-133	4000W Battery Inverter/Charger		No.	4		
	Sub-total Battery Inverter/Charger					
Charge Controllers						
Lot 1-134	30A MPPT Charge controllers		No.	54		
Lot 1-135	37.5A MPPT Charge controllers		No.	21		
Lot 1-136	45A MPPT Charge controllers		No.	6		
Lot 1-137	52.5A MPPT Charge controllers		No.	3		
Lot 1-138	60A MPPT Charge controllers		No.	4		
	Sub-total Charge Controllers					
Battery Energy Storage System						
Lot 1-139	9,240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	54		
Lot 1-140	11,550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	21		
Lot 1-141	13,860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	6		
Lot 1-142	16,170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	3		
Lot 1-143	18,480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 1-144	25,410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 1-145	27,720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 1-146	32,340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		

Lot 1-147	34,650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 1-148	39,270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 1-149	43,890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 1-150	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	96		
Lot 1-151	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	4800		
Lot 1-152	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 1-153	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	96		
Lot 1-154	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	96		
Lot 1-155	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	96		
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
	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.					
	NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 1-201	1200 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	54			
Lot 1-202	1500 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	21			
Lot 1-203	1800 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	6			
Lot 1-204	2100 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	3			
Lot 1-205	2400 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 1-206	3300 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 1-207	3600 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 1-208	4200 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 1-209	4500 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 1-210	5100 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 1-211	5700 Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
	Sub-total SPV Modules					
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 1-212	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	54			
Lot 1-213	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	21			
Lot 1-214	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	6			
Lot 1-215	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	3			
Lot 1-216	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			

Lot 1-217	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 1-218	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 1-219	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 1-220	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 1-221	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 1-222	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 1-223	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 1-224	4125W Solar PV Inverter	No.	1			
Lot 1-225	4500W Solar PV Inverter	No.	1			
Lot 1-226	5250W Solar PV Inverter	No.	2			
Lot 1-227	5625W Solar PV Inverter	No.	1			
Lot 1-228	6375W Solar PV Inverter	No.	1			
Lot 1-229	7125W Solar PV Inverter	No.	2			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 1-230	1000W Battery Inverter/Charger	No.	77			
Lot 1-231	1500W Battery Inverter/Charger	No.	11			
Lot 1-232	2500W Battery Inverter/Charger	No.	4			
Lot 1-233	4000W Battery Inverter/Charger	No.	4			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 1-234	30A MPPT Charge controllers	No.	54			
Lot 1-235	37.5A MPPT Charge controllers	No.	21			
Lot 1-236	45A MPPT Charge controllers	No.	6			
Lot 1-237	52.5A MPPT Charge controllers	No.	3			
Lot 1-238	60A MPPT Charge controllers	No.	4			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 1-239	9,240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	54			
Lot 1-240	11,550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	21			
Lot 1-241	13,860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	6			
Lot 1-242	16,170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	3			
Lot 1-243	18,480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 1-244	25,410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 1-245	27,720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 1-246	32,340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 1-247	34,650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 1-248	39,270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 1-249	43,890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Sub-total Battery Energy storage system						
Other SPGP Items						
Lot 1-250	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	96			
Lot 1-251	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	4800			
Lot 1-252	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 1-253	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	96			
Lot 1-254	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	96			
Lot 1-255	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	96			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 3 - DESIGN SERVICES

The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 1-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	54			
Lot 1-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	21			
Lot 1-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	6			
Lot 1-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	3			
Lot 1-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 1-306	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 1-307	3600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 1-308	4200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 1-309	4500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 1-310	5100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 1-311	5700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
TOTAL (To Schedule No. 7. Grand Summary)						

Name of Bidder _____

Signature of Bidder _____

¹ Specify currency in accordance with ITB 18

NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 1-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	54				
Lot 1-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	21				
Lot 1-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	6				
Lot 1-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	3				
Lot 1-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 1-406	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 1-407	3600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 1-408	4200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				

Lot 1-409	4500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 1-410	5100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 1-411	5700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Sub-total Solar Power Generation Plant (SPGP)							
Service Cable/Internal Wiring							
Lot 1-412	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	96				
Lot 1-413	EPRA Wiring Certification	No.	96				
Lot 1-414	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	96				
Sub-total Service Cable/Internal Wiring							
Civil works							
1200Wp SPGP System:							
Lot 1-415	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	54				
Lot 1-416	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	54				
Lot 1-417	Chain-link fencing of the whole SPGP demarcated area	Lot	54				
1500Wp SPGP System:							
Lot 1-418	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	21				
Lot 1-419	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	21				
Lot 1-420	Chain-link fencing of the whole SPGP demarcated area	Lot	21				
1800Wp SPGP System:							
Lot 1-421	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	6				
Lot 1-422	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	6				
Lot 1-423	Chain-link fencing of the whole SPGP demarcated area	Lot	6				
2100Wp SPGP System:							
Lot 1-424	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	3				
Lot 1-425	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	3				
Lot 1-426	Chain-link fencing of the whole SPGP demarcated area	Lot	3				
2400Wp SPGP System:							
Lot 1-427	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 1-428	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 1-429	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
3300Wp SPGP System:							
Lot 1-430	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 1-431	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 1-432	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3600Wp SPGP System:							
Lot 1-433	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 1-434	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 1-435	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
4200Wp SPGP System:							
Lot 1-436	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 1-437	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 1-438	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
4500Wp SPGP System:							
Lot 1-439	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 1-440	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 1-441	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
5100Wp SPGP System:							
Lot 1-442	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 1-443	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 1-444	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
5700Wp SPGP System:							
Lot 1-445	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 1-446	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 1-447	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
Sub-total Civil Works							

Others							
Lot 1-448	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 1-449	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 1-450	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 1-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	96				
Lot 1-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	96				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 1-503	Provision of all appropriate PPEs to the contractor's employees	Lot	96				
Lot 1-504	Necessary and appropriate warning signs in various points that are risky	Lot	96				
Lot 1-505	Provide a general register for adequate reporting of accidents	Lot	96				
Lot 1-506	Provision of the first aid kits on site with trained first aiders.	Lot	96				
Fire hazards and outbreaks							
Lot 1-507	Labelling / signage of all equipment and compartments	Lot	96				
Lot 1-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	96				
Traffic management							
Lot 1-509	Traffic marshals where/when required to control traffic	Lot	96				
Health concerns							
Lot 1-510	The contractor to provide clean drinking water to members of staff.	Lot	96				
Lot 1-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	96				
Lot 1-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	96				
Lot 1-513	Provision of condoms	Lot	96				
Use of an integrated solid and E-waste management system							
Lot 1-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	96				
Lot 1-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	96				
Lot 1-516	Waste collection bins to be provided at designated points	Lot	96				
Lot 1-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	96				
Generation of waste water							
Lot 1-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	96				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 1-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 1-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 1-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 1-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 1-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 1-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 1-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18							
NB – Refer to Volume I and Volume II for details of Operations & Maintenance							

SCHEDULE NO. 7 - GRAND SUMMARY			
Item	Description	Total Price ¹	
		Foreign	Local
Phase 1 - Supply and Installation			
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad		
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country		
3	Total Price of Schedule No 3 : Design Services		
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services		
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services		
Sub-total Phase 1 - Supply and Installation			
Phase 2 - Operations and Maintenance			
6	Total Price of Schedule No 6 : Operations & Maintenance		
Sub-total Phase 2 - Operations and Maintenance			
TOTAL (to Letter of Bid)			
		Name of Bidder _____	
		Signature of Bidder _____	
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies			

PRICE SCHEDULE LOT 2						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 2-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	28		
Lot 2-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 2-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 2-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 2-105	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 2-106	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 2-107	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 2-108	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 2-109	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	28		
Lot 2-110	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 2-111	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 2-112	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 2-113	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 2-114	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 2-115	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 2-116	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 2-117	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 2-118	3750W Solar PV Inverter		No.	1		
Lot 2-119	4125W Solar PV Inverter		No.	2		
Lot 2-120	4500W Solar PV Inverter		No.	2		
Lot 2-121	4875W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 2-122	1000W Battery Inverter/Charger		No.	35		
Lot 2-123	1500W Battery Inverter/Charger		No.	4		
Lot 2-124	2500W Battery Inverter/Charger		No.	4		
Lot 2-125	5000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 2-126	30A MPPT Charge controllers		No.	28		
Lot 2-127	37.5A MPPT Charge controllers		No.	4		
Lot 2-128	45A MPPT Charge controllers		No.	4		
Lot 2-129	52.5A MPPT Charge controllers		No.	2		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 2-130	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	28		
Lot 2-131	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 2-132	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 2-133	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 2-134	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 2-135	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 2-136	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 2-137	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 2-138	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	44		
Lot 2-139	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	2200		
Lot 2-140	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 2-141	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	44		
Lot 2-142	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	44		

Lot 2-143	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm2 copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	44		
Sub-total Other SPGP Items					
TOTAL (To Schedule No. 7. Grand Summary)					
				Name of Bidder _____	
				Signature of Bidder _____	
/ 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.					
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 2-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	28			
Lot 2-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 2-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 2-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 2-205	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 2-206	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 2-207	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 2-208	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 2-209	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	28			
Lot 2-210	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 2-211	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 2-212	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 2-213	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 2-214	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 2-215	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 2-216	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 2-217	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 2-218	3750W Solar PV Inverter	No.	1			
Lot 2-219	4125W Solar PV Inverter	No.	2			
Lot 2-220	4500W Solar PV Inverter	No.	2			
Lot 2-221	4875W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 2-222	1000W Battery Inverter/Charger	No.	35			
Lot 2-223	1500W Battery Inverter/Charger	No.	4			
Lot 2-224	2500W Battery Inverter/Charger	No.	4			
Lot 2-225	5000W Battery Inverter/Charger	No.	1			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 2-226	30A MPPT Charge controllers	No.	28			
Lot 2-227	37.5A MPPT Charge controllers	No.	4			
Lot 2-228	45A MPPT Charge controllers	No.	4			
Lot 2-229	52.5A MPPT Charge controllers	No.	2			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 2-230	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	28			

Lot 2-231	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 2-232	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 2-233	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 2-234	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 2-235	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 2-236	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 2-237	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 2-238	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	44			
Lot 2-239	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	2200			
Lot 2-240	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 2-241	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	44			
Lot 2-242	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	44			
Lot 2-243	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	44			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 2-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	28			
Lot 2-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 2-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 2-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 2-305	3000Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 2-306	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 2-307	3600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 2-308	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with ITB 18						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 2-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	28				
Lot 2-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 2-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 2-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 2-405	3000Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 2-406	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 2-407	3600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 2-408	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
	Sub-total Solar Power Generation Plant (SPGP)						
Service Cable/Internal Wiring							
Lot 2-409	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	44				
Lot 2-410	EPRA Wiring Certification	No.	44				
Lot 2-411	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	44				
	Sub-total Service Cable/Internal Wiring						
Civil works							
1200Wp SPGP System:							
Lot 2-412	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	28				
Lot 2-413	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	28				
Lot 2-414	Chain-link fencing of the whole SPGP demarcated area	Lot	28				
1500Wp SPGP System:							
Lot 2-415	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 2-416	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 2-417	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
1800Wp SPGP System:							
Lot 2-418	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 2-419	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 2-420	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
2100Wp SPGP System:							
Lot 2-421	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 2-422	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 2-423	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
3000Wp SPGP System:							
Lot 2-424	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 2-425	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 2-426	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3300Wp SPGP System:							
Lot 2-427	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 2-428	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 2-429	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
3600Wp SPGP System:							
Lot 2-430	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 2-431	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 2-432	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
3900Wp SPGP System:							

Lot 2-433	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 2-434	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 2-435	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 2-436	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 2-437	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 2-438	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 2-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	44				
Lot 2-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	44				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 2-503	Provision of all appropriate PPEs to the contractor's employees	Lot	44				
Lot 2-504	Necessary and appropriate warning signs in various points that are risky	Lot	44				
Lot 2-505	Provide a general register for adequate reporting of accidents	Lot	44				
Lot 2-506	Provision of the first aid kits on site with trained first aiders.	Lot	44				
Fire hazards and outbreaks							
Lot 2-507	Labelling / signage of all equipment and compartments	Lot	44				
Lot 2-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	44				
Traffic management							
Lot 2-509	Traffic marshals where/when required to control traffic	Lot	44				
Health concerns							
Lot 2-510	The contractor to provide clean drinking water to members of staff.	Lot	44				
Lot 2-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	44				
Lot 2-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	44				
Lot 2-513	Provision of condoms	Lot	44				
Use of an integrated solid and E-waste management system							
Lot 2-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	44				
Lot 2-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	44				
Lot 2-516	Waste collection bins to be provided at designated points	Lot	44				
Lot 2-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	44				
Generation of waste water							
Lot 2-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	44				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 2-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 2-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 2-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 2-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 2-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 2-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			

Lot 2-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	/8		
TOTAL (To Schedule No. 7 Grand Summary)						
					Name of Bidder _____	
					Signature of Bidder _____	
/ Specify currency in accordance with ITB 18						
NB – Refer to Volume I and Volume II for details of Operations & Maintenance						
SCHEDULE NO. 7 - GRAND SUMMARY						
Item	Description	Total Price ¹				
		Foreign	Local			
Phase 1 - Supply and Installation						
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad					
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country					
3	Total Price of Schedule No 3 : Design Services					
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services					
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services					
Sub-total Phase 1 - Supply and Installation						
Phase 2 - Operations and Maintenance						
6	Total Price of Schedule No 6 : Operations & Maintenance					
Sub-total Phase 2 - Operations and Maintenance						
TOTAL (to Letter of Bid)						
		Name of Bidder _____				
		Signature of Bidder _____				
/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies						

PRICE SCHEDULE LOT 3						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 3-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	24		
Lot 3-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	5		
Lot 3-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 3-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	5		
Lot 3-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	3		
Lot 3-106	2450Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 3-107	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 3-108	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 3-109	16450Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 3-110	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	24		
Lot 3-111	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	5		
Lot 3-112	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 3-113	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	5		
Lot 3-114	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	3		
Lot 3-115	2450Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 3-116	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 3-117	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 3-118	16450Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 3-119	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 3-120	3750W Solar PV Inverter		No.	1		
Lot 3-121	4125W Solar PV Inverter		No.	1		
Lot 3-122	20563W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 3-123	1000W Battery Inverter/Charger		No.	32		
Lot 3-124	1500W Battery Inverter/Charger		No.	6		
Lot 3-125	2500W Battery Inverter/Charger		No.	3		
Lot 3-126	3000W Battery Inverter/Charger		No.	1		
Lot 3-127	15000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 3-128	30A MPPT Charge controllers		No.	24		
Lot 3-129	37.5A MPPT Charge controllers		No.	5		
Lot 3-130	45A MPPT Charge controllers		No.	2		
Lot 3-131	52.5A MPPT Charge controllers		No.	5		
Lot 3-132	60A MPPT Charge controllers		No.	3		
Lot 3-133	61.25A MPPT Charge controllers		No.	1		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 3-134	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	24		
Lot 3-135	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	5		
Lot 3-136	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 3-137	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	5		
Lot 3-138	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	3		
Lot 3-139	18865Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 3-140	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 3-141	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 3-142	126665Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 3-143	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	43		
Lot 3-144	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	2150		

Lot 3-145	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 3-146	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	43		
Lot 3-147	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	43		
Lot 3-148	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	43		
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
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.						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 3-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	24			
Lot 3-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	5			
Lot 3-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 3-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	5			
Lot 3-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	3			
Lot 3-206	2450Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 3-207	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 3-208	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 3-209	16450Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 3-210	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	24			
Lot 3-211	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	5			
Lot 3-212	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 3-213	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	5			
Lot 3-214	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	3			
Lot 3-215	2450Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 3-216	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 3-217	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 3-218	16450Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 3-219	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 3-220	3750W Solar PV Inverter	No.	1			
Lot 3-221	4125W Solar PV Inverter	No.	1			
Lot 3-222	20562.5W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 3-223	1000W Battery Inverter/Charger	No.	32			
Lot 3-224	1500W Battery Inverter/Charger	No.	6			
Lot 3-225	2500W Battery Inverter/Charger	No.	3			
Lot 3-226	3000W Battery Inverter/Charger	No.	1			
Lot 3-227	15000W Battery Inverter/Charger	No.	1			

Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 3-228	30A MPPT Charge controllers	No.	24			
Lot 3-229	37.5A MPPT Charge controllers	No.	5			
Lot 3-230	45A MPPT Charge controllers	No.	2			
Lot 3-231	52.5A MPPT Charge controllers	No.	5			
Lot 3-232	60A MPPT Charge controllers	No.	3			
Lot 3-233	61.25A MPPT Charge controllers	No.	1			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 3-234	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	24			
Lot 3-235	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	5			
Lot 3-236	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 3-237	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	5			
Lot 3-238	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	3			
Lot 3-239	18865Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 3-240	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 3-241	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 3-242	126665Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 3-243	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	43			
Lot 3-244	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	2150			
Lot 3-245	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 3-246	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	43			
Lot 3-247	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	43			
Lot 3-248	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	43			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 3-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	24			
Lot 3-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	5			
Lot 3-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 3-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	5			
Lot 3-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	3			

Lot 3-306	2450Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 3-307	3000Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 3-308	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 3-309	16450Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

TOTAL (To Schedule No. 7. Grand Summary)

	Name of Bidder _____
	Signature of Bidder _____
/ Specify currency in accordance with ITB 18	
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item	

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 3-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	24				
Lot 3-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	5				
Lot 3-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 3-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	5				
Lot 3-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	3				
Lot 3-406	2450Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 3-407	3000Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 3-408	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 3-409	16450Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Sub-total Solar Power Generation Plant (SPGP)							
Service Cable/Internal Wiring							
Lot 3-410	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	43				
Lot 3-411	EPRA Wiring Certification	No.	43				
Lot 3-412	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	43				
Sub-total Service Cable/Internal Wiring							
Civil works							
1200Wp SPGP System:							
Lot 3-413	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	24				
Lot 3-414	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	24				
Lot 3-415	Chain-link fencing of the whole SPGP demarcated area	Lot	24				
1500Wp SPGP System:							
Lot 3-416	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	5				
Lot 3-417	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	5				
Lot 3-418	Chain-link fencing of the whole SPGP demarcated area	Lot	5				
1800Wp SPGP System:							
Lot 3-419	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 3-420	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 3-421	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
2100Wp SPGP System:							

Lot 3-422	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	5				
Lot 3-423	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	5				
Lot 3-424	Chain-link fencing of the whole SPGP demarcated area	Lot	5				
2400Wp SPGP System:							
Lot 3-425	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	3				
Lot 3-426	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	3				
Lot 3-427	Chain-link fencing of the whole SPGP demarcated area	Lot	3				
2450Wp SPGP System:							
Lot 3-428	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 3-429	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 3-430	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3000Wp SPGP System:							
Lot 3-431	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 3-432	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 3-433	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3300Wp SPGP System:							
Lot 3-434	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 3-435	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 3-436	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
16450Wp SPGP System:							
Lot 3-437	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 3-438	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 3-439	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 3-440	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 3-441	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 3-442	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 3-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	43				
Lot 3-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	43				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 3-503	Provision of all appropriate PPEs to the contractor's employees	Lot	43				
Lot 3-504	Necessary and appropriate warning signs in various points that are risky	Lot	43				
Lot 3-505	Provide a general register for adequate reporting of accidents	Lot	43				
Lot 3-506	Provision of the first aid kits on site with trained first aiders.	Lot	43				
Fire hazards and outbreaks							
Lot 3-507	Labelling / signage of all equipment and compartments	Lot	43				
Lot 3-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	43				
Traffic management							
Lot 3-509	Traffic marshals where/when required to control traffic	Lot	43				
Health concerns							
Lot 3-510	The contractor to provide clean drinking water to members of staff.	Lot	43				
Lot 3-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	43				
Lot 3-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	43				
Lot 3-513	Provision of condoms	Lot	43				
Use of an integrated solid and E-waste management system							
Lot 3-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	43				
Lot 3-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	43				
Lot 3-516	Waste collection bins to be provided at designated points	Lot	43				
Lot 3-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	43				

Generation of waste water							
Lot 3-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	43				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
<i>1</i> Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 3-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 3-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 3-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 3-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 3-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 3-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 3-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
<i>1</i> Specify currency in accordance with ITB 18 <i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>							
SCHEDULE NO. 7 - GRAND SUMMARY							
Item	Description	Total Price ¹					
		Foreign	Local				
Phase 1 - Supply and Installation							
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad						
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country						
3	Total Price of Schedule No 3 : Design Services						
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services						
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services						
Sub-total Phase 1 - Supply and Installation							
Phase 2 - Operations and Maintenance							
6	Total Price of Schedule No 6 : Operations & Maintenance						
Sub-total Phase 2 - Operations and Maintenance							
TOTAL (to Letter of Bid)							
		Name of Bidder _____					
		Signature of Bidder _____					
<i>1</i> Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies							

PRICE SCHEDULE LOT 4						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 4-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	21		
Lot 4-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 4-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	7		
Lot 4-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-106	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-107	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-108	5100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-109	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 4-110	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 4-111	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	21		
Lot 4-112	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 4-113	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	7		
Lot 4-114	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-115	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-116	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-117	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-118	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-119	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-120	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 4-121	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 4-122	4125W Solar PV Inverter		No.	1		
Lot 4-123	4875W Solar PV Inverter		No.	1		
Lot 4-124	6375W Solar PV Inverter		No.	1		
Lot 4-125	6750W Solar PV Inverter		No.	1		
Lot 4-126	7125W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 4-127	1000W Battery Inverter/Charger		No.	34		
Lot 4-128	1500W Battery Inverter/Charger		No.	3		
Lot 4-129	3000W Battery Inverter/Charger		No.	1		
Lot 4-130	4000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 4-131	30A MPPT Charge controllers		No.	21		
Lot 4-132	37.5A MPPT Charge controllers		No.	4		
Lot 4-133	45A MPPT Charge controllers		No.	7		
Lot 4-134	52.5A MPPT Charge controllers		No.	1		
Lot 4-135	60A MPPT Charge controllers		No.	1		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 4-136	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	21		
Lot 4-137	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 4-138	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	7		
Lot 4-139	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-140	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-141	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-142	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-143	39270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-144	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 4-145	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 4-146	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	39		
Lot 4-147	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	1950		
Lot 4-148	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		

Lot 4-149	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39	
Lot 4-150	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	39	
Lot 4-151	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm2 copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	39	
Sub-total Other SPGP Items				
TOTAL (To Schedule No. 7. Grand Summary)				
			Name of Bidder _____	
			Signature of Bidder _____	
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.				
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item				

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 4-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	21			
Lot 4-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 4-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	7			
Lot 4-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-206	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-207	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-208	5100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-209	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 4-210	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 4-211	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	21			
Lot 4-212	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 4-213	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	7			
Lot 4-214	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-215	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-216	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-217	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-218	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-219	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-220	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 4-221	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 4-222	4125W Solar PV Inverter	No.	1			
Lot 4-223	4875W Solar PV Inverter	No.	1			
Lot 4-224	6375W Solar PV Inverter	No.	1			
Lot 4-225	6750W Solar PV Inverter	No.	1			
Lot 4-226	7125W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 4-227	1000W Battery Inverter/Charger	No.	34			
Lot 4-228	1500W Battery Inverter/Charger	No.	3			
Lot 4-229	3000W Battery Inverter/Charger	No.	1			
Lot 4-230	4000BW attery Inverter/Charger	No.	1			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 4-231	30A MPPT Charge controllers	No.	21			
Lot 4-232	37.5A MPPT Charge controllers	No.	4			
Lot 4-233	45A MPPT Charge controllers	No.	7			
Lot 4-234	52.5A MPPT Charge controllers	No.	1			
Lot 4-235	60A MPPT Charge controllers	No.	1			

		Sub-total Charge Controllers				
Battery Energy Storage System						
Lot 4-236	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	21			
Lot 4-237	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 4-238	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	7			
Lot 4-239	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-240	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-241	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-242	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-243	39270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-244	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 4-245	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 4-246	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	39			
Lot 4-247	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1950			
Lot 4-248	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 4-249	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39			
Lot 4-250	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	39			
Lot 4-251	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	39			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
¹ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1 .						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 4-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	21			
Lot 4-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 4-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	7			
Lot 4-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-306	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-307	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-308	5100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-309	5400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 4-310	5700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

TOTAL (To Schedule No. 7. Grand Summary)		
		Name of Bidder _____
		Signature of Bidder _____
¹ Specify currency in accordance with ITB 18		
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item		

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES								
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹		
				Foreign Currency Portion	Local Currency Portion	Foreign	Local	
			(1)	(2)	(1) X (2)	(1) X (3)		
Solar Power Generation Plant (SPGP)								
Lot 4-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	21					
Lot 4-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4					
Lot 4-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	7					
Lot 4-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-406	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-407	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-408	5100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-409	5400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Lot 4-410	5700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1					
Sub-total Solar Power Generation Plant (SPGP)								
Service Cable/Internal Wiring								
Lot 4-411	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	39					
Lot 4-412	EPRA Wiring Certification	No.	39					
Lot 4-413	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39					
Sub-total Service Cable/Internal Wiring								
Civil works								
1200Wp SPGP System:								
Lot 4-414	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	21					
Lot 4-415	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	21					
Lot 4-416	Chain-link fencing of the whole SPGP demarcated area	Lot	21					
1500Wp SPGP System:								
Lot 4-417	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4					
Lot 4-418	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4					
Lot 4-419	Chain-link fencing of the whole SPGP demarcated area	Lot	4					
1800Wp SPGP System:								
Lot 4-420	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	7					
Lot 4-421	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	7					
Lot 4-422	Chain-link fencing of the whole SPGP demarcated area	Lot	7					
2100Wp SPGP System:								
Lot 4-423	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-424	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-425	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
2400Wp SPGP System:								
Lot 4-426	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-427	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-428	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
3300Wp SPGP System:								
Lot 4-429	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-430	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-431	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
3900Wp SPGP System:								
Lot 4-432	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-433	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-434	Chain-link fencing of the whole SPGP demarcated area	Lot	1					

5100Wp SPGP System:								
Lot 4-435	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-436	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-437	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
5400Wp SPGP System:								
Lot 4-438	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-439	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-440	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
5700Wp SPGP System:								
Lot 4-441	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1					
Lot 4-442	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1					
Lot 4-443	Chain-link fencing of the whole SPGP demarcated area	Lot	1					
Sub-total Civil Works								
Others								
Lot 4-444	Offices Facilities: Provide site office complete with communication facilities	Months	18					
Lot 4-445	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18					
Lot 4-446	Factory Acceptance Tests for Major Items	Lumpsum						
Sub-total Others								
TOTAL (To Schedule No. 7. Grand Summary)								
				Name of Bidder _____				
				Signature of Bidder _____				
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item</i>								
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES								
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹		
				Foreign Currency Portion	Local Currency Portion	Foreign	Local	
			(1)	(2)	(3)	(1) X (2)	(1) X (3)	
Dust emission								
Lot 4-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	39					
Lot 4-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	39					
Worksite Safety, at height, accidents and Health Hazards to employees								
Lot 4-503	Provision of all appropriate PPEs to the contractor's employees	Lot	39					
Lot 4-504	Necessary and appropriate warning signs in various points that are risky	Lot	39					
Lot 4-505	Provide a general register for adequate reporting of accidents	Lot	39					
Lot 4-506	Provision of the first aid kits on site with trained first aiders.	Lot	39					
Fire hazards and outbreaks								
Lot 4-507	Labelling / signage of all equipment and compartments	Lot	39					
Lot 4-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	39					
Traffic management								
Lot 4-509	Traffic marshals where/when required to control traffic	Lot	39					
Health concerns								
Lot 4-510	The contractor to provide clean drinking water to members of staff.	Lot	39					
Lot 4-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	39					
Lot 4-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	39					
Lot 4-513	Provision of condoms	Lot	39					
Use of an integrated solid and E-waste management system								
Lot 4-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	39					
Lot 4-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	39					
Lot 4-516	Waste collection bins to be provided at designated points	Lot	39					
Lot 4-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	39					
Generation of waste water								
Lot 4-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	39					
TOTAL (To Schedule No. 7. Grand Summary)								
				Name of Bidder _____				
				Signature of Bidder _____				
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>								
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE								
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹	
					Local Currency Portion	Foreign Currency Portion (Optional)		
Lot 4-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5				
Lot 4-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5				
Lot 4-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5				
Lot 4-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5				

Lot 4-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 4-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 4-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
	/ Specify currency in accordance with ITB 18						
	NB – Refer to Volume I and Volume II for details of Operations & Maintenance						

SCHEDULE NO. 7 - GRAND SUMMARY			
Item	Description	Total Price ¹	
		Foreign	Local
	Phase 1 - Supply and Installation		
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad		
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country		
3	Total Price of Schedule No 3 : Design Services		
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services		
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services		
	Sub-total Phase 1 - Supply and Installation		
	Phase 2 - Operations and Maintenance		
6	Total Price of Schedule No 6 : Operations & Maintenance		
	Sub-total Phase 2 - Operations and Maintenance		
	TOTAL (to Letter of Bid)		
		Name of Bidder _____	
		Signature of Bidder _____	
	¹ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies		

PRICE SCHEDULE LOT 5						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 5-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	8		
Lot 5-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	8		
Lot 5-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	3		
Lot 5-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 5-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	14		
Lot 5-106	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 5-107	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-108	3400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-109	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-110	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 5-111	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-112	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-113	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-114	6600Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-115	7200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 5-116	23700Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 5-117	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	8		
Lot 5-118	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	8		
Lot 5-119	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	3		
Lot 5-120	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 5-121	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	14		
Lot 5-122	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 5-123	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-124	3400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-125	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-126	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 5-127	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-128	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-129	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-130	6600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-131	7200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-132	23700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 5-133	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 5-134	3750W Solar PV Inverter		No.	2		
Lot 5-135	4125W Solar PV Inverter		No.	1		
Lot 5-136	4250W Solar PV Inverter		No.	1		
Lot 5-137	4500W Solar PV Inverter		No.	1		
Lot 5-138	4875W Solar PV Inverter		No.	2		
Lot 5-139	5250W Solar PV Inverter		No.	1		
Lot 5-140	6750W Solar PV Inverter		No.	1		
Lot 5-141	7125W Solar PV Inverter		No.	1		
Lot 5-142	8250W Solar PV Inverter		No.	1		
Lot 5-143	9000W Solar PV Inverter		No.	1		
Lot 5-144	29625W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 5-145	1000W Battery Inverter/Charger		No.	21		
Lot 5-146	1500W Battery Inverter/Charger		No.	6		
Lot 5-147	2500W Battery Inverter/Charger		No.	18		
Lot 5-148	3000W Battery Inverter/Charger		No.	2		
Lot 5-149	5000W Battery Inverter/Charger		No.	2		
Lot 5-150	15000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 5-151	30A MPPT Charge controllers		No.	8		
Lot 5-152	37.5A MPPT Charge controllers		No.	8		
Lot 5-153	45A MPPT Charge controllers		No.	3		
Lot 5-154	52.5A MPPT Charge controllers		No.	4		
Lot 5-155	60A MPPT Charge controllers		No.	14		

Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 5-156	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	8		
Lot 5-157	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	8		
Lot 5-158	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	3		
Lot 5-159	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 5-160	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	14		
Lot 5-161	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 5-162	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-163	26180Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-164	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-165	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 5-166	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-167	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-168	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-169	50820Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-170	55440Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 5-171	182490Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 5-172	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	50		
Lot 5-173	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	2500		
Lot 5-174	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 5-175	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	50		
Lot 5-176	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	50		
Lot 5-177	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	50		
Sub-total Other SPGP Items						
TOTAL (to Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
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.						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
COUNTRY OF ORIGIN DECLARATION FORM						
Item	Description	Code	Country			
SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 5-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	8			
Lot 5-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	8			
Lot 5-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	3			
Lot 5-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 5-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	14			
Lot 5-206	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 5-207	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-208	3400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-209	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-210	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 5-211	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-212	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-213	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			

Lot 5-214	6600Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-215	7200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 5-216	23700Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 5-217	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	8			
Lot 5-218	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	8			
Lot 5-219	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	3			
Lot 5-220	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 5-221	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	14			
Lot 5-222	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 5-223	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-224	3400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-225	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-226	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 5-227	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-228	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-229	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-230	6600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-231	7200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-232	23700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 5-233	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 5-234	3750W Solar PV Inverter	No.	2			
Lot 5-235	4125W Solar PV Inverter	No.	1			
Lot 5-236	4250W Solar PV Inverter	No.	1			
Lot 5-237	4500W Solar PV Inverter	No.	1			
Lot 5-238	4875W Solar PV Inverter	No.	2			
Lot 5-239	5250W Solar PV Inverter	No.	1			
Lot 5-240	6750W Solar PV Inverter	No.	1			
Lot 5-241	7125W Solar PV Inverter	No.	1			
Lot 5-242	8250W Solar PV Inverter	No.	1			
Lot 5-243	9000W Solar PV Inverter	No.	1			
Lot 5-244	29625W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 5-245	1000W Battery Inverter/Charger	No.	21			
Lot 5-246	1500W Battery Inverter/Charger	No.	6			
Lot 5-247	2500W Battery Inverter/Charger	No.	18			
Lot 5-248	3000W Battery Inverter/Charger	No.	2			
Lot 5-249	5000W Battery Inverter/Charger	No.	2			
Lot 5-250	15000W Battery Inverter/Charger	No.	1			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 5-251	30A MPPT Charge controllers	No.	8			
Lot 5-252	37.5A MPPT Charge controllers	No.	8			
Lot 5-253	45A MPPT Charge controllers	No.	3			
Lot 5-254	52.5A MPPT Charge controllers	No.	4			
Lot 5-255	60A MPPT Charge controllers	No.	14			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 5-256	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	8			
Lot 5-257	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	8			
Lot 5-258	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	3			
Lot 5-259	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 5-260	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	14			
Lot 5-261	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 5-262	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-263	26180Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-264	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-265	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			

Lot 5-266	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-267	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-268	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-269	50820Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-270	55440Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 5-271	182490Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 5-272	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	50			
Lot 5-273	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	2500			
Lot 5-274	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 5-275	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	50			
Lot 5-276	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	50			
Lot 5-277	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm2 copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	50			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 – DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
			(1)	Local Currency Portion (2)	Foreign Currency Portion (Optional)	
Lot 5-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	8			
Lot 5-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	8			
Lot 5-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	3			
Lot 5-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 5-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	14			
Lot 5-306	3000Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 5-307	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-308	3400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-309	3600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-310	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 5-311	4200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-312	5400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

Lot 5-313	5700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-314	6600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-315	7200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 5-316	23700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
	/ Specify currency in accordance with ITB 18					
	NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 5-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	8				
Lot 5-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	8				
Lot 5-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	3				
Lot 5-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 5-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	14				
Lot 5-406	3000Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 5-407	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-408	3400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-409	3600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-410	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 5-411	4200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-412	5400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-413	5700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-414	6600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-415	7200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 5-416	23700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Sub-total Solar Power Generation Plant (SPGP)							
Service Cable/Internal Wiring							
Lot 5-417	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	50				
Lot 5-418	EPRA Wiring Certification	No.	50				
Lot 5-419	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	50				
Sub-total Service Cable/Internal Wiring							
Civil works							
1200Wp SPGP System:							
Lot 5-420	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	8				
Lot 5-421	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	8				
Lot 5-422	Chain-link fencing of the whole SPGP demarcated area	Lot	8				

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Sub-total Civil Works							
Others							
Lot 5-468	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 5-469	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 5-470	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
						Name of Bidder _____	
						Signature of Bidder _____	
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item</i>							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 5-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	50				
Lot 5-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	50				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 5-503	Provision of all appropriate PPEs to the contractor's employees	Lot	50				
Lot 5-504	Necessary and appropriate warning signs in various points that are risky	Lot	50				
Lot 5-505	Provide a general register for adequate reporting of accidents	Lot	50				
Lot 5-506	Provision of the first aid kits on site with trained first aiders.	Lot	50				
Fire							
Lot 5-507	Labelling / signage of all equipment and compartments	Lot	50				
Lot 5-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	50				
Traffic management							
Lot 5-509	Traffic marshals where/when required to control traffic	Lot	50				
Health concerns							
Lot 5-510	The contractor to provide clean drinking water to members of staff.	Lot	50				
Lot 5-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	50				
Lot 5-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	50				
Lot 5-513	Provision of condoms	Lot	50				
Use of an integrated solid and E-waste management system							
Lot 5-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	50				
Lot 5-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	50				
Lot 5-516	Waste collection bins to be provided at designated points	Lot	50				
Lot 5-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	50				
Generation of waste water							
Lot 5-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	50				
TOTAL (To Schedule No. 7. Grand Summary)							
						Name of Bidder _____	
						Signature of Bidder _____	
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 5-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 5-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 5-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 5-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 5-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 5-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 5-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
						Name of Bidder _____	
						Signature of Bidder _____	
¹ Specify currency in accordance with ITB 18 <i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>							

SCHEDULE NO. 7 - GRAND SUMMARY			
Item	Description	Total Price ¹	
		Foreign	Local
	Phase 1 - Supply and Installation		
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad		
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country		
3	Total Price of Schedule No 3 : Design Services		
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services		
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services		
	Sub-total Phase 1 - Supply and Installation		
	Phase 2 - Operations and Maintenance		
6	Total Price of Schedule No 6 : Operations & Maintenance		
	Sub-total Phase 2 - Operations and Maintenance		
	TOTAL (to Letter of Bid)		
	Name of Bidder _____		
	Signature of Bidder _____		
	¹ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies		

PRICE SCHEDULE LOT 6						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 6-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	16		
Lot 6-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	6		
Lot 6-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	5		
Lot 6-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	3		
Lot 6-106	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-107	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-108	4500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-109	5200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-110	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 6-111	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 6-112	8100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 6-113	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	16		
Lot 6-114	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	6		
Lot 6-115	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	5		
Lot 6-116	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-117	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	3		
Lot 6-118	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-119	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-120	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-121	5200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-122	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 6-123	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-124	8100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 6-125	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 6-126	3750W Solar PV Inverter		No.	1		
Lot 6-127	5250W Solar PV Inverter		No.	1		
Lot 6-128	5625W Solar PV Inverter		No.	1		
Lot 6-129	6500W Solar PV Inverter		No.	1		
Lot 6-130	6750W Solar PV Inverter		No.	2		
Lot 6-131	7125W Solar PV Inverter		No.	1		
Lot 6-132	10125W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 6-133	1000W Battery Inverter/Charger		No.	29		
Lot 6-134	1500W Battery Inverter/Charger		No.	3		
Lot 6-135	2500W Battery Inverter/Charger		No.	3		
Lot 6-136	3000W Battery Inverter/Charger		No.	1		
Lot 6-137	4000W Battery Inverter/Charger		No.	2		
Lot 6-138	5000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 6-139	30A MPPT Charge controllers		No.	16		
Lot 6-140	37.5A MPPT Charge controllers		No.	6		
Lot 6-141	45A MPPT Charge controllers		No.	5		
Lot 6-142	52.5A MPPT Charge controllers		No.	1		
Lot 6-143	60A MPPT Charge controllers		No.	3		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 6-144	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	16		
Lot 6-145	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	6		
Lot 6-146	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	5		
Lot 6-147	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 6-148	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	3		
Lot 6-149	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 6-150	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 6-151	34650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		

Lot 6-152	40040Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1		
Lot 6-153	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2		
Lot 6-154	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1		
Lot 6-155	62370Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1		
Sub-total Battery Energy Storage System					
Other SPGP Items					
Lot 6-156	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	39		
Lot 6-157	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1950		
Lot 6-158	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200		
Lot 6-159	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39		
Lot 6-160	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	39		
Lot 6-161	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	39		
Sub-total Other SPGP Items					
TOTAL (To Schedule No. 7. Grand Summary)					
			Name of Bidder _____		
			Signature of Bidder _____		
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.					
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 6-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	16			
Lot 6-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	6			
Lot 6-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	5			
Lot 6-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	3			
Lot 6-206	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-207	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-208	4500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-209	5200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-210	5400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 6-211	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 6-212	8100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
	Sub-total SPV Modules					
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 6-213	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	16			
Lot 6-214	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	6			
Lot 6-215	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	5			
Lot 6-216	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-217	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	3			
Lot 6-218	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-219	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-220	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-221	5200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-222	5400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 6-223	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-224	8100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 6-225	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc. for an area of 15 square meters	No.	1			

Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 6-226	3750W Solar PV Inverter	No.	1			
Lot 6-227	5250W Solar PV Inverter	No.	1			
Lot 6-228	5625W Solar PV Inverter	No.	1			
Lot 6-229	6500W Solar PV Inverter	No.	1			
Lot 6-230	6750W Solar PV Inverter	No.	2			
Lot 6-231	7125W Solar PV Inverter	No.	1			
Lot 6-232	10125W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 6-233	1000W Battery Inverter/Charger	No.	29			
Lot 6-234	1500W Battery Inverter/Charger	No.	3			
Lot 6-235	2500W Battery Inverter/Charger	No.	3			
Lot 6-236	3000W Battery Inverter/Charger	No.	1			
Lot 6-237	4000W Battery Inverter/Charger	No.	2			
Lot 6-238	5000W Battery Inverter/Charger	No.	1			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 6-239	30A MPPT Charge controllers	No.	16			
Lot 6-240	37.5A MPPT Charge controllers	No.	6			
Lot 6-241	45A MPPT Charge controllers	No.	5			
Lot 6-242	52.5A MPPT Charge controllers	No.	1			
Lot 6-243	60A MPPT Charge controllers	No.	3			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 6-244	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	16			
Lot 6-245	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	6			
Lot 6-246	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	5			
Lot 6-247	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-248	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	3			
Lot 6-249	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-250	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-251	34650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-252	40040Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-253	41580Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 6-254	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 6-255	62370Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 6-256	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	39			
Lot 6-257	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1950			
Lot 6-258	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 6-259	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39			
Lot 6-260	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	39			
Lot 6-261	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	39			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 6-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	16			

Lot 6-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	6			
Lot 6-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	5			
Lot 6-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	3			
Lot 6-306	3000Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-307	4200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-308	4500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-309	5200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-310	5400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 6-311	5700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 6-312	8100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

TOTAL (To Schedule No. 7. Grand Summary)

	Name of Bidder _____
	Signature of Bidder _____
/ Specify currency in accordance with ITB 18	
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item	

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 6-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	16				
Lot 6-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	6				
Lot 6-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	5				
Lot 6-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	3				
Lot 6-406	3000Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-407	4200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-408	4500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-409	5200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-410	5400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 6-411	5700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 6-412	8100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Sub-total Solar Power Generation Plant (SPGP)							
Service Cable/Internal Wiring							
Lot 6-413	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	39				

Lot 6-414	EPRA Wiring Certification	No.	39			
Lot 6-415	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	39			
Sub-total Service Cable/Internal Wiring						
Civil works						
1200Wp SPGP System:						
Lot 6-416	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	16			
Lot 6-417	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	16			
Lot 6-418	Chain-link fencing of the whole SPGP demarcated area	Lot	16			
1500Wp SPGP System:						
Lot 6-419	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	6			
Lot 6-420	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	6			
Lot 6-421	Chain-link fencing of the whole SPGP demarcated area	Lot	6			
1800Wp SPGP System:						
Lot 6-422	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	5			
Lot 6-423	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	5			
Lot 6-424	Chain-link fencing of the whole SPGP demarcated area	Lot	5			
2100Wp SPGP System:						
Lot 6-425	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-426	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-427	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
2400Wp SPGP System:						
Lot 6-428	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	3			
Lot 6-429	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	3			
Lot 6-430	Chain-link fencing of the whole SPGP demarcated area	Lot	3			
3000Wp SPGP System:						
Lot 6-431	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-432	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-433	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
4200Wp SPGP System:						
Lot 6-434	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-435	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-436	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
4500Wp SPGP System:						
Lot 6-437	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-438	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-439	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
5200Wp SPGP System:						
Lot 6-440	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-441	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-442	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
5400Wp SPGP System:						
Lot 6-443	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2			
Lot 6-444	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2			
Lot 6-445	Chain-link fencing of the whole SPGP demarcated area	Lot	2			
5700Wp SPGP System:						
Lot 6-446	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-447	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-448	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
8100Wp SPGP System:						
Lot 6-449	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1			
Lot 6-450	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1			
Lot 6-451	Chain-link fencing of the whole SPGP demarcated area	Lot	1			
Sub-total Civil Works						
Others						
Lot 6-452	Offices Facilities: Provide site office complete with communication facilities	Months	18			
Lot 6-453	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18			
Lot 6-454	Factory Acceptance Tests for Major Items	Lumpsum				
Sub-total Others						
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES								
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹		
				Foreign Currency Portion	Local Currency Portion	Foreign	Local	
				(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission								
Lot 6-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	39					
Lot 6-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	39					
Worksite Safety, at height, accidents and Health Hazards to employees								
Lot 6-503	Provision of all appropriate PPEs to the contractor's employees	Lot	39					
Lot 6-504	Necessary and appropriate warning signs in various points that are risky	Lot	39					
Lot 6-505	Provide a general register for adequate reporting of accidents	Lot	39					
Lot 6-506	Provision of the first aid kits on site with trained first aiders.	Lot	39					
Fire hazards and outbreaks								
Lot 6-507	Labelling / signage of all equipment and compartments	Lot	39					
Lot 6-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	39					
Traffic management								
Lot 6-509	Traffic marshals where/when required to control traffic	Lot	39					
Health concerns								
Lot 6-510	The contractor to provide clean drinking water to members of staff.	Lot	39					
Lot 6-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	39					
Lot 6-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	39					
Lot 6-513	Provision of condoms	Lot	39					
Use of an integrated solid and E-waste management system								
Lot 6-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	39					
Lot 6-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	39					
Lot 6-516	Waste collection bins to be provided at designated points	Lot	39					
Lot 6-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	39					
Generation of waste water								
Lot 6-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	39					
TOTAL (To Schedule No. 7. Grand Summary)								
				Name of Bidder _____				
				Signature of Bidder _____				
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>								
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE								
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹	
					Local Currency Portion	Foreign Currency Portion (Optional)		
Lot 6-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5				
Lot 6-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5				
Lot 6-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5				
Lot 6-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5				
Lot 6-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18				
Lot 6-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18				
Lot 6-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18				
TOTAL (To Schedule No. 7 Grand Summary)								
				Name of Bidder _____				
				Signature of Bidder _____				
¹ Specify currency in accordance with ITB 18 <i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>								

SCHEDULE NO. 7 - GRAND SUMMARY			
Item	Description	Total Price ¹	
		Foreign	Local
	Phase 1 - Supply and Installation		
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad		
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer’s Country		
3	Total Price of Schedule No 3 : Design Services		
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services		
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services		
	Sub-total Phase 1 - Supply and Installation		
	Phase 2 - Operations and Maintenance		
6	Total Price of Schedule No 6 : Operations & Maintenance		
	Sub-total Phase 2 - Operations and Maintenance		
	TOTAL (to Letter of Bid)		
		Name of Bidder _____	
		Signature of Bidder _____	
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies			

PRICE SCHEDULE LOT 7						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 7-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	14		
Lot 7-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 7-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	7		
Lot 7-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 7-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 7-106	2800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 7-107	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 7-108	8100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 7-109	8400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 7-110	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	14		
Lot 7-111	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 7-112	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	7		
Lot 7-113	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 7-114	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 7-115	2800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 7-116	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 7-117	8100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 7-118	8400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 7-119	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 7-120	4875W Solar PV Inverter		No.	1		
Lot 7-121	10125W Solar PV Inverter		No.	1		
Lot 7-122	10500W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 7-123	1000W Battery Inverter/Charger		No.	18		
Lot 7-124	1500W Battery Inverter/Charger		No.	10		
Lot 7-125	2500W Battery Inverter/Charger		No.	2		
Lot 7-126	4000W Battery Inverter/Charger		No.	1		
Lot 7-127	5000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 7-128	30A MPPT Charge controllers		No.	14		
Lot 7-129	37.5A MPPT Charge controllers		No.	2		
Lot 7-130	45A MPPT Charge controllers		No.	7		
Lot 7-131	52.5A MPPT Charge controllers		No.	4		
Lot 7-132	60A MPPT Charge controllers		No.	1		
Lot 7-133	70A MPPT Charge controllers		No.	1		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 7-134	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	14		
Lot 7-135	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 7-136	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	7		
Lot 7-137	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 7-138	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 7-139	21560Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 7-140	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 7-141	62370Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 7-142	64680Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 7-143	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	32		
Lot 7-144	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	1600		

Lot 7-145	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 7-146	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	32		
Lot 7-147	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	32		
Lot 7-148	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	32		
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
					Name of Bidder _____	
					Signature of Bidder _____	
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.						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 7-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	14			
Lot 7-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 7-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	7			
Lot 7-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 7-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 7-206	2800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 7-207	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 7-208	8100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 7-209	8400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
	Sub-total SPV Modules					
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 7-210	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	14			
Lot 7-211	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 7-212	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	7			
Lot 7-213	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 7-214	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 7-215	2800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 7-216	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 7-217	8100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 7-218	8400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 7-219	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
	Sub-total Module Mounting (Fixed-tilt racking) Structure(s)					
Solar PV Inverters						
Lot 7-220	4875W Solar PV Inverter	No.	1			
Lot 7-221	10125W Solar PV Inverter	No.	1			
Lot 7-222	10500W Solar PV Inverter	No.	1			
	Sub-total Solar PV Inverters					
Battery Inverter/Charger						
Lot 7-223	1000W Battery Inverter/Charger	No.	18			
Lot 7-224	1500W Battery Inverter/Charger	No.	10			
Lot 7-225	2500W Battery Inverter/Charger	No.	2			
Lot 7-226	4000W Battery Inverter/Charger	No.	1			
Lot 7-227	5000W Battery Inverter/Charger	No.	1			
	Sub-total Battery Inverter/Charger					

Charge Controllers						
Lot 7-228	30A MPPT Charge controllers	No.	14			
Lot 7-229	37.5A MPPT Charge controllers	No.	2			
Lot 7-230	45A MPPT Charge controllers	No.	7			
Lot 7-231	52.5A MPPT Charge controllers	No.	4			
Lot 7-232	60A MPPT Charge controllers	No.	1			
Lot 7-233	70A MPPT Charge controllers	No.	1			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 7-234	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	14			
Lot 7-235	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 7-236	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	7			
Lot 7-237	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 7-238	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 7-239	21560Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 7-240	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 7-241	62370Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 7-242	64680Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 7-243	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	32			
Lot 7-244	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1600			
Lot 7-245	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 7-246	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	32			
Lot 7-247	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	32			
Lot 7-248	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	32			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
¹ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 7-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	14			
Lot 7-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 7-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	7			
Lot 7-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 7-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 7-306	2800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

Lot 7-307	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 7-308	8100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 7-309	8400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with ITB 18						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 7-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	14				
Lot 7-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 7-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	7				
Lot 7-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 7-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 7-406	2800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 7-407	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 7-408	8100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 7-409	8400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
	Sub-total Solar Power Generation Plant (SPGP)						
Service Cable/Internal Wiring							
Lot 7-410	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	32				
Lot 7-411	EPRA Wiring Certification	No.	32				
Lot 7-412	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	32				
	Sub-total Service Cable/Internal Wiring						
Civil works							
1200Wp SPGP System:							
Lot 7-413	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	14				
Lot 7-414	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	14				
Lot 7-415	Chain-link fencing of the whole SPGP demarcated area	Lot	14				
1500Wp SPGP System:							
Lot 7-416	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 7-417	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 7-418	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
1800Wp SPGP System:							
Lot 7-419	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	7				
Lot 7-420	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	7				
Lot 7-421	Chain-link fencing of the whole SPGP demarcated area	Lot	7				
2100Wp SPGP System:							
Lot 7-422	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 7-423	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 7-424	Chain-link fencing of the whole SPGP demarcated area	Lot	4				

2400Wp SPGP System:							
Lot 7-425	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 7-426	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 7-427	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
2800Wp SPGP System:							
Lot 7-428	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 7-429	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 7-430	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3900Wp SPGP System:							
Lot 7-431	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 7-432	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 7-433	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
8100Wp SPGP System:							
Lot 7-434	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 7-435	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 7-436	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
8400Wp SPGP System:							
Lot 7-437	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 7-438	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 7-439	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 7-440	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 7-441	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 7-442	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 7-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	32				
Lot 7-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	32				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 7-503	Provision of all appropriate PPEs to the contractor's employees	Lot	32				
Lot 7-504	Necessary and appropriate warning signs in various points that are risky	Lot	32				
Lot 7-505	Provide a general register for adequate reporting of accidents	Lot	32				
Lot 7-506	Provision of the first aid kits on site with trained first aiders.	Lot	32				
Fire hazards and outbreaks							
Lot 7-507	Labelling / signage of all equipment and compartments	Lot	32				
Lot 7-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	32				
Traffic management							
Lot 7-509	Traffic marshals where/when required to control traffic	Lot	32				
Health concerns							
Lot 7-510	The contractor to provide clean drinking water to members of staff.	Lot	32				
Lot 7-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	32				
Lot 7-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	32				
Lot 7-513	Provision of condoms	Lot	32				
Use of an integrated solid and E-waste management system							
Lot 7-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	32				
Lot 7-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	32				
Lot 7-516	Waste collection bins to be provided at designated points	Lot	32				
Lot 7-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	32				
Generation of waste water							
Lot 7-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	32				
TOTAL (To Schedule No. 7. Grand Summary)							

		Name of Bidder _____					
		Signature of Bidder _____					
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 7-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 7-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 7-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 7-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 7-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 7-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 7-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
		Name of Bidder _____					
		Signature of Bidder _____					
/ Specify currency in accordance with ITB 18							
<i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>							
SCHEDULE NO. 7 - GRAND SUMMARY							
Item	Description	Total Price ¹					
		Foreign	Local				
Phase 1 - Supply and Installation							
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad						
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country						
3	Total Price of Schedule No 3 : Design Services						
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services						
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services						
	Sub-total Phase 1 - Supply and Installation						
Phase 2 - Operations and Maintenance							
6	Total Price of Schedule No 6 : Operations & Maintenance						
	Sub-total Phase 2 - Operations and Maintenance						
	TOTAL (to Letter of Bid)						
		Name of Bidder _____					
		Signature of Bidder _____					
/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies							

PRICE SCHEDULE LOT 8						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 8-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	15		
Lot 8-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	10		
Lot 8-103	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 8-104	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	15		
Lot 8-105	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	10		
Lot 8-106	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 8-107	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Battery Inverter/Charger						
Lot 8-108	1000W Battery Inverter/Charger		No.	27		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 8-109	30A MPPT Charge controllers		No.	15		
Lot 8-110	37.5A MPPT Charge controllers		No.	10		
Lot 8-111	52.5A MPPT Charge controllers		No.	2		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 8-112	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	15		
Lot 8-113	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	10		
Lot 8-114	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 8-115	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	27		
Lot 8-116	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	1350		
Lot 8-117	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 8-118	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	27		
Lot 8-119	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	27		
Lot 8-120	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	27		
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
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.						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 8-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	15			
Lot 8-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	10			
Lot 8-203	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Sub-total SPV Modules						

Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 8-204	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	15			
Lot 8-205	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	10			
Lot 8-206	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 8-207	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Battery Inverter/Charger						
Lot 8-208	1000W Battery Inverter/Charger	No.	27			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 8-209	30A MPPT Charge controllers	No.	15			
Lot 8-210	37.5A MPPT Charge controllers	No.	10			
Lot 8-211	52.5A MPPT Charge controllers	No.	2			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 8-212	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	15			
Lot 8-213	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	10			
Lot 8-214	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 8-215	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	27			
Lot 8-216	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1350			
Lot 8-217	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 8-218	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	27			
Lot 8-219	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	27			
Lot 8-220	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	27			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 8-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	15			
Lot 8-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	10			
Lot 8-303	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with ITB 18						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES								
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹		
				Foreign Currency Portion	Local Currency Portion	Foreign	Local	
			(1)	(2)	(3)	(1) X (2)	(1) X (3)	
Solar Power Generation Plant (SPGP)								
Lot 8-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	15					
Lot 8-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	10					
Lot 8-403	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2					
Sub-total Solar Power Generation Plant (SPGP)								
Service Cable/Internal Wiring								
Lot 8-404	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	27					
Lot 8-405	EPRA Wiring Certification	No.	27					
Lot 8-406	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	27					
Sub-total Service Cable/Internal Wiring								
Civil works								
1200Wp SPGP System:								
Lot 8-407	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	15					
Lot 8-408	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	15					
Lot 8-409	Chain-link fencing of the whole SPGP demarcated area	Lot	15					
1500Wp SPGP System:								
Lot 8-410	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	10					
Lot 8-411	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	10					
Lot 8-412	Chain-link fencing of the whole SPGP demarcated area	Lot	10					
2100Wp SPGP System:								
Lot 8-413	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2					
Lot 8-414	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2					
Lot 8-415	Chain-link fencing of the whole SPGP demarcated area	Lot	2					
Sub-total Civil Works								
Others								
Lot 8-416	Offices Facilities: Provide site office complete with communication facilities	Months	18					
Lot 8-417	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18					
Lot 8-418	Factory Acceptance Tests for Major Items	Lumpsum						
Sub-total Others								
TOTAL (To Schedule No. 7. Grand Summary)								
				Name of Bidder _____				
				Signature of Bidder _____				
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item								
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES								
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹		
				Foreign Currency Portion	Local Currency Portion	Foreign	Local	
			(1)	(2)	(3)	(1) X (2)	(1) X (3)	
Dust emission								
Lot 8-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	27					
Lot 8-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	27					
Worksite Safety, at height, accidents and Health Hazards to employees								
Lot 8-503	Provision of all appropriate PPEs to the contractor's employees	Lot	27					
Lot 8-504	Necessary and appropriate warning signs in various points that are risky	Lot	27					
Lot 8-505	Provide a general register for adequate reporting of accidents	Lot	27					
Lot 8-506	Provision of the first aid kits on site with trained first aiders.	Lot	27					
Fire hazards and outbreaks								
Lot 8-507	Labelling / signage of all equipment and compartments	Lot	27					
Lot 8-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	27					
Traffic management								
Lot 8-509	Traffic marshals where/when required to control traffic	Lot	27					
Health concerns								
Lot 8-510	The contractor to provide clean drinking water to members of staff.	Lot	27					
Lot 8-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	27					
Lot 8-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	27					
Lot 8-513	Provision of condoms	Lot	27					
Use of an integrated solid and E-waste management system								
Lot 8-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	27					

Lot 8-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	27				
Lot 8-516	Waste collection bins to be provided at designated points	Lot	27				
Lot 8-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	27				
Generation of waste water							
Lot 8-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	27				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
<i>1/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.</i> <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 8-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 8-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 8-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 8-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 8-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 8-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 8-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
<i>1/ Specify currency in accordance with ITB 18</i> <i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>							
SCHEDULE NO. 7 - GRAND SUMMARY							
Item	Description	Total Price ¹					
		Foreign	Local				
Phase 1 - Supply and Installation							
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad						
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country						
3	Total Price of Schedule No 3 : Design Services						
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services						
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services						
Sub-total Phase 1 - Supply and Installation							
Phase 2 - Operations and Maintenance							
6	Total Price of Schedule No 6 : Operations & Maintenance						
Sub-total Phase 2 - Operations and Maintenance							
TOTAL (to Letter of Bid)							
		Name of Bidder _____					
		Signature of Bidder _____					
<i>1/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies</i>							

PRICE SCHEDULE LOT 9						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 9-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	15		
Lot 9-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	5		
Lot 9-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 9-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 9-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 9-106	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 9-107	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 9-108	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 9-109	5100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 9-110	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 9-111	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	15		
Lot 9-112	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	5		
Lot 9-113	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 9-114	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 9-115	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-116	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-117	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-118	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-119	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-120	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 9-121	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 9-122	3750W Solar PV Inverter		No.	1		
Lot 9-123	4500W Solar PV Inverter		No.	1		
Lot 9-124	4875W Solar PV Inverter		No.	1		
Lot 9-125	6375W Solar PV Inverter		No.	1		
Lot 9-126	7125W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 9-127	1000W Battery Inverter/Charger		No.	20		
Lot 9-128	1500W Battery Inverter/Charger		No.	6		
Lot 9-129	2500W Battery Inverter/Charger		No.	1		
Lot 9-130	3000W Battery Inverter/Charger		No.	3		
Lot 9-131	4000W Battery Inverter/Charger		No.	1		
Lot 9-132	5000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 9-133	30A MPPT Charge controllers		No.	15		
Lot 9-134	37.5A MPPT Charge controllers		No.	5		
Lot 9-135	45A MPPT Charge controllers		No.	4		
Lot 9-136	52.5A MPPT Charge controllers		No.	2		
Lot 9-137	60A MPPT Charge controllers		No.	1		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 9-138	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	15		
Lot 9-139	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	5		
Lot 9-140	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 9-141	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 9-142	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 9-143	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 9-144	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 9-145	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 9-146	39270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 9-147	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						

Other SPGP Items					
Lot 9-148	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	32		
Lot 9-149	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1600		
Lot 9-150	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200		
Lot 9-151	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	32		
Lot 9-152	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	32		
Lot 9-153	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	32		
Sub-total Other SPGP Items					
TOTAL (To Schedule No. 7. Grand Summary)					
			Name of Bidder _____		
			Signature of Bidder _____		
/ 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.					
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 9-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	15			
Lot 9-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	5			
Lot 9-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 9-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 9-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 9-206	3000Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 9-207	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 9-208	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 9-209	5100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 9-210	5700Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 9-211	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	15			
Lot 9-212	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	5			
Lot 9-213	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 9-214	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 9-215	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-216	3000Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-217	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-218	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-219	5100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-220	5700Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 9-221	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 9-222	3750W Solar PV Inverter	No.	1			
Lot 9-223	4500W Solar PV Inverter	No.	1			
Lot 9-224	4875W Solar PV Inverter	No.	1			
Lot 9-225	6375W Solar PV Inverter	No.	1			
Lot 9-226	7125W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						

Battery Inverter/Charger						
Lot 9-227	1000W Battery Inverter/Charger	No.	20			
Lot 9-228	1500W Battery Inverter/Charger	No.	6			
Lot 9-229	2500W Battery Inverter/Charger	No.	1			
Lot 9-230	3000W Battery Inverter/Charger	No.	3			
Lot 9-231	4000W Battery Inverter/Charger	No.	1			
Lot 9-232	5000W Battery Inverter/Charger	No.	1			
Sub-total Battery Inverter /Charger						
Charge Controllers						
Lot 9-233	30A MPPT Charge controllers	No.	15			
Lot 9-234	37.5A MPPT Charge controllers	No.	5			
Lot 9-235	45A MPPT Charge controllers	No.	4			
Lot 9-236	52.5A MPPT Charge controllers	No.	2			
Lot 9-237	60A MPPT Charge controllers	No.	1			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 9-238	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	15			
Lot 9-239	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	5			
Lot 9-240	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 9-241	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 9-242	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 9-243	23100Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 9-244	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 9-245	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 9-246	39270Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 9-247	43890Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 9-248	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	32			
Lot 9-249	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1600			
Lot 9-250	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 9-251	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	32			
Lot 9-252	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	32			
Lot 9-253	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	32			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹ (1) X (2)
				Local Currency Portion (2)	Foreign Currency Portion (Optional)	
Lot 9-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	15			
Lot 9-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	5			
Lot 9-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 9-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			

Lot 9-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 9-306	3000Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 9-307	3600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 9-308	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 9-309	5100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 9-310	5700Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with ITB 18						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 9-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	15				
Lot 9-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	5				
Lot 9-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 9-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 9-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 9-406	3000Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 9-407	3600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 9-408	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 9-409	5100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 9-410	5700Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
	Sub-total Solar Power Generation Plant (SPGP)						
Service Cable/Internal Wiring							
Lot 9-411	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	32				
Lot 9-412	EPRA Wiring Certification	No.	32				
Lot 9-413	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	32				
	Sub-total Service Cable/Internal Wiring						
Civil works							
1200Wp SPGP System:							
Lot 9-414	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	15				
Lot 9-415	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	15				
Lot 9-416	Chain-link fencing of the whole SPGP demarcated area	Lot	15				
1500Wp SPGP System:							
Lot 9-417	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	5				
Lot 9-418	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	5				
Lot 9-419	Chain-link fencing of the whole SPGP demarcated area	Lot	5				

1800Wp SPGP System:							
Lot 9-420	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 9-421	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 9-422	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
2100Wp SPGP System:							
Lot 9-423	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 9-424	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 9-425	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
2400Wp SPGP System:							
Lot 9-426	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-427	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-428	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3000Wp SPGP System:							
Lot 9-429	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-430	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-431	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3600Wp SPGP System:							
Lot 9-432	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-433	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-434	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3900Wp SPGP System:							
Lot 9-435	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-436	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-437	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
5100Wp SPGP System:							
Lot 9-438	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-439	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-440	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
5700Wp SPGP System:							
Lot 9-441	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 9-442	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 9-443	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 9-444	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 9-445	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 9-446	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							

SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price¹		Total Price¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 9-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	32				
Lot 9-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	32				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 9-503	Provision of all appropriate PPEs to the contractor's employees	Lot	32				
Lot 9-504	Necessary and appropriate warning signs in various points that are risky	Lot	32				
Lot 9-505	Provide a general register for adequate reporting of accidents	Lot	32				
Lot 9-506	Provision of the first aid kits on site with trained first aiders.	Lot	32				
Fire hazards and outbreaks							
Lot 9-507	Labelling / signage of all equipment and compartments	Lot	32				
Lot 9-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	32				
Traffic management							
Lot 9-509	Traffic marshals where/when required to control traffic	Lot	32				
Health concerns							
Lot 9-510	The contractor to provide clean drinking water to members of staff.	Lot	32				
Lot 9-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	32				

Lot 9-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	32				
Lot 9-513	Provision of condoms	Lot	32				
Use of an integrated solid and E-waste management system							
Lot 9-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	32				
Lot 9-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	32				
Lot 9-516	Waste collection bins to be provided at designated points	Lot	32				
Lot 9-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	32				
Generation of waste water							
Lot 9-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	32				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 9-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 9-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 9-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 9-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 9-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 9-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 9-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18							
NB – Refer to Volume I and Volume II for details of Operations & Maintenance							
SCHEDULE NO. 7 - GRAND SUMMARY							
Item	Description	Total Price ¹					
		Foreign	Local				
Phase 1 - Supply and Installation							
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad						
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country						
3	Total Price of Schedule No 3 : Design Services						
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services						
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services						
Sub-total Phase 1 - Supply and Installation							
Phase 2 - Operations and Maintenance							
6	Total Price of Schedule No 6 : Operations & Maintenance						
Sub-total Phase 2 - Operations and Maintenance							
TOTAL (to Letter of Bid)							
		Name of Bidder _____					
		Signature of Bidder _____					
/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies							

PRICE SCHEDULE LOT 10						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 10-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	23		
Lot 10-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	7		
Lot 10-103	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 10-104	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 10-105	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 10-106	15900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 10-107	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	23		
Lot 10-108	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	7		
Lot 10-109	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 10-110	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 10-111	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 10-112	15900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 10-113	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 10-114	4125W Solar PV Inverter		No.	1		
Lot 10-115	4875W Solar PV Inverter		No.	1		
Lot 10-116	19875W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 10-117	1000W Battery Inverter/Charger		No.	30		
Lot 10-118	1500W Battery Inverter/Charger		No.	2		
Lot 10-119	2500W Battery Inverter/Charger		No.	4		
Lot 10-120	15000W Battery Inverter/Charger		No.	1		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 10-121	30A MPPT Charge controllers		No.	23		
Lot 10-122	37.5A MPPT Charge controllers		No.	7		
Lot 10-123	52.5A MPPT Charge controllers		No.	4		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 10-124	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	23		
Lot 10-125	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	7		
Lot 10-126	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 10-127	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 10-128	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 10-129	122430Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 10-130	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	37		
Lot 10-131	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	1850		
Lot 10-132	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 10-133	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	37		
Lot 10-134	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	37		
Lot 10-135	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm2 copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	37		
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
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. <i>NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item</i>						
COUNTRY OF ORIGIN DECLARATION FORM						
Item	Description	Code	Country			
SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 10-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	23			
Lot 10-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	7			
Lot 10-203	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 10-204	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 10-205	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 10-206	15900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 10-207	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	23			
Lot 10-208	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	7			
Lot 10-209	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 10-210	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 10-211	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 10-212	15900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 10-213	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 10-214	4125W Solar PV Inverter	No.	1			
Lot 10-215	4875W Solar PV Inverter	No.	1			
Lot 10-216	19875W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 10-217	1000W Battery Inverter/Charger	No.	30			
Lot 10-218	1500W Battery Inverter/Charger	No.	2			
Lot 10-219	2500W Battery Inverter/Charger	No.	4			
Lot 10-220	15000W Battery Inverter/Charger	No.	1			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 10-221	30A MPPT Charge controllers	No.	23			
Lot 10-222	37.5A MPPT Charge controllers	No.	7			
Lot 10-223	52.5A MPPT Charge controllers	No.	4			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 10-224	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	23			
Lot 10-225	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	7			
Lot 10-226	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 10-227	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 10-228	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 10-229	122430Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 10-230	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	37			
Lot 10-231	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1850			
Lot 10-232	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 10-233	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	37			
Lot 10-234	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	37			

Lot 10-235	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm2 copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	37			
		Sub-total Other SPGP Items				
		TOTAL (To Schedule No. 7. Grand Summary)				
		Name of Bidder _____				
		Signature of Bidder _____				
	/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1					
	NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

SCHEDULE NO. 3 - DESIGN SERVICES

The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)	(1) X (2)	
Lot 10-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	23			
Lot 10-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	7			
Lot 10-303	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 10-304	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 10-305	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 10-306	15900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
	/ Specify currency in accordance with ITB 18					
	NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item					

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 10-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	23				
Lot 10-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	7				
Lot 10-403	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 10-404	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 10-405	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 10-406	15900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
	Sub-total Solar Power Generation Plant (SPGP)						
Service Cable/Internal Wiring							
Lot 10-407	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	37				
Lot 10-408	EPRA Wiring Certification	No.	37				
Lot 10-409	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	37				
	Sub-total Service Cable/Internal Wiring						

Civil works							
1200Wp SPGP System:							
Lot 10-410	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	23				
Lot 10-411	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	23				
Lot 10-412	Chain-link fencing of the whole SPGP demarcated area	Lot	23				
1500Wp SPGP System:							
Lot 10-413	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	7				
Lot 10-414	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	7				
Lot 10-415	Chain-link fencing of the whole SPGP demarcated area	Lot	7				
2100Wp SPGP System:							
Lot 10-416	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 10-417	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 10-418	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
3300Wp SPGP System:							
Lot 10-419	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 10-420	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 10-421	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3900Wp SPGP System:							
Lot 10-422	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 10-423	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 10-424	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
15900Wp SPGP System:							
Lot 10-425	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 10-426	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 10-427	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 10-428	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 10-429	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 10-430	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							
SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
				(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 10-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	37				
Lot 10-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	37				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 10-503	Provision of all appropriate PPEs to the contractor's employees	Lot	37				
Lot 10-504	Necessary and appropriate warning signs in various points that are risky	Lot	37				
Lot 10-505	Provide a general register for adequate reporting of accidents	Lot	37				
Lot 10-506	Provision of the first aid kits on site with trained first aiders.	Lot	37				
Fire hazards and outbreaks							
Lot 10-507	Labelling / signage of all equipment and compartments	Lot	37				
Lot 10-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	37				
Traffic management							
Lot 10-509	Traffic marshals where/when required to control traffic	Lot	37				
Health concerns							
Lot 10-510	The contractor to provide clean drinking water to members of staff.	Lot	37				
Lot 10-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	37				
Lot 10-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	37				
Lot 10-513	Provision of condoms	Lot	37				
Use of an integrated solid and E-waste management system							
Lot 10-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	37				
Lot 10-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	37				
Lot 10-516	Waste collection bins to be provided at designated points	Lot	37				

Lot 10-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	37				
Generation of waste water							
Lot 10-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	37				
TOTAL (To Schedule No. 7. Grand Summary)							
					Name of Bidder _____		
					Signature of Bidder _____		
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 10-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 10-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 10-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 10-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 10-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 10-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 10-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
					Name of Bidder _____		
					Signature of Bidder _____		
/ Specify currency in accordance with ITB 18							
NB – Refer to Volume I and Volume II for details of Operations & Maintenance							
SCHEDULE NO. 7 - GRAND SUMMARY							
Item	Description	Total Price ¹					
		Foreign	Local				
Phase 1 - Supply and Installation							
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad						
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country						
3	Total Price of Schedule No 3 : Design Services						
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services						
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services						
Sub-total Phase 1 - Supply and Installation							
Phase 2 - Operations and Maintenance							
6	Total Price of Schedule No 6 : Operations & Maintenance						
Sub-total Phase 2 - Operations and Maintenance							
TOTAL (to Letter of Bid)							
		Name of Bidder _____					
		Signature of Bidder _____					
/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies							

PRICE SCHEDULE LOT 11						
SCHEDULE NO. 1 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM ABROAD						
Item	Description	Code ¹	Unit	Qty.	CIP Unit Price ²	CIP Total Price ²
				(1)	(2)	(1) X (2)
SPV Modules						
Lot 11-101	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	16		
Lot 11-102	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	5		
Lot 11-103	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	2		
Lot 11-104	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	4		
Lot 11-105	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-106	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-107	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-108	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-109	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-110	4500Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Lot 11-111	6300Wp Standard monocrystalline or polycrystalline silicon SPV modules		Lot (No. of sites)	1		
Sub-total SPV Modules						
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 11-112	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	16		
Lot 11-113	1500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	5		
Lot 11-114	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	2		
Lot 11-115	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	4		
Lot 11-116	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-117	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-118	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-119	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-120	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-121	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-122	6300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc		Lot (No. of sites)	1		
Lot 11-123	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters		No.	1		
Sub-total Module Mounting (Fixed-tilt racking) Structure(s)						
Solar PV Inverters						
Lot 11-124	4125W Solar PV Inverter		No.	1		
Lot 11-125	4500W Solar PV Inverter		No.	1		
Lot 11-126	4875W Solar PV Inverter		No.	1		
Lot 11-127	5250W Solar PV Inverter		No.	1		
Lot 11-128	5625W Solar PV Inverter		No.	1		
Lot 11-129	7875W Solar PV Inverter		No.	1		
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 11-130	1000W Battery Inverter/Charger		No.	25		
Lot 11-131	1500W Battery Inverter/Charger		No.	3		
Lot 11-132	2500W Battery Inverter/Charger		No.	1		
Lot 11-133	3000W Battery Inverter/Charger		No.	3		
Lot 11-134	4000W Battery Inverter/Charger		No.	2		
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 11-135	30A MPPT Charge controllers		No.	16		
Lot 11-136	37.5A MPPT Charge controllers		No.	5		
Lot 11-137	45A MPPT Charge controllers		No.	2		
Lot 11-138	52.5A MPPT Charge controllers		No.	4		
Lot 11-139	60A MPPT Charge controllers		No.	1		
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 11-140	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	16		
Lot 11-141	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	5		
Lot 11-142	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	2		
Lot 11-143	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	4		
Lot 11-144	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 11-145	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 11-146	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 11-147	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		

Lot 11-148	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 11-149	34650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
Lot 11-150	48510Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)		Lot (No. of sites)	1		
	Sub-total Battery Energy Storage System					
Other SPGP Items						
Lot 11-151	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure		Lot	34		
Lot 11-152	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)		Metres	1700		
Lot 11-153	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)		Metres	200		
Lot 11-154	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth		Lot	34		
Lot 11-155	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)		Lot	34		
Lot 11-156	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.		Lot	34		
	Sub-total Other SPGP Items					
TOTAL (To Schedule No. 7. Grand Summary)						
				Name of Bidder _____		
				Signature of Bidder _____		
	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.					
	<i>NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item</i>					

COUNTRY OF ORIGIN DECLARATION FORM			
Item	Description	Code	Country

SCHEDULE NO. 2 - PLANT AND MANDATORY SPARE PARTS SUPPLIED FROM WITHIN THE EMPLOYER'S COUNTRY						
Item	Description	Unit	Qty.	EXW Unit Price ¹	Sales and other taxes payable per line item if Contract is awarded (in accordance with ITB 17.5 (b) (ii))	EXW Total Price ¹
			(1)	(2)		(1) X (2)
SPV Modules						
Lot 11-201	1200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	16			
Lot 11-202	1500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	5			
Lot 11-203	1800Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	2			
Lot 11-204	2100Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	4			
Lot 11-205	2400Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-206	3300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-207	3600Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-208	3900Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-209	4200Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-210	4500Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
Lot 11-211	6300Wp Standard monocrystalline or polycrystalline silicon SPV modules	Lot (No. of sites)	1			
	Sub-total SPV Modules					
Module Mounting (Fixed-tilt racking) Structure(s)						
Lot 11-212	1200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	16			
Lot 11-213	1500Wp SPV modulesground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	5			
Lot 11-214	1800Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	2			
Lot 11-215	2100Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	4			
Lot 11-216	2400Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-217	3300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-218	3600Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-219	3900Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-220	4200Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-221	4500Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-222	6300Wp SPV modules ground mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, foundation bolts etc	Lot (No. of sites)	1			
Lot 11-223	Roof mounted fixed-tilt racking structure(s) including all necessary nuts and bolts as well as necessary clamps, anchorage bolts etc, for an area of 15 square meters	No.	1			
	Sub-total Module Mounting (Fixed-tilt racking) Structure(s)					

Solar PV Inverters						
Lot 11-224	4125W Solar PV Inverter	No.	1			
Lot 11-225	4500W Solar PV Inverter	No.	1			
Lot 11-226	4875W Solar PV Inverter	No.	1			
Lot 11-227	5250W Solar PV Inverter	No.	1			
Lot 11-228	5625W Solar PV Inverter	No.	1			
Lot 11-229	7875W Solar PV Inverter	No.	1			
Sub-total Solar PV Inverters						
Battery Inverter/Charger						
Lot 11-230	1000W Battery Inverter/Charger	No.	25			
Lot 11-231	1500W Battery Inverter/Charger	No.	3			
Lot 11-232	2500W Battery Inverter/Charger	No.	1			
Lot 11-233	3000W Battery Inverter/Charger	No.	3			
Lot 11-234	4000W Battery Inverter/Charger	No.	2			
Sub-total Battery Inverter/Charger						
Charge Controllers						
Lot 11-235	30A MPPT Charge controllers	No.	16			
Lot 11-236	37.5A MPPT Charge controllers	No.	5			
Lot 11-237	45A MPPT Charge controllers	No.	2			
Lot 11-238	52.5A MPPT Charge controllers	No.	4			
Lot 11-239	60A MPPT Charge controllers	No.	1			
Sub-total Charge Controllers						
Battery Energy Storage System						
Lot 11-240	9240Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	16			
Lot 11-241	11550Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	5			
Lot 11-242	13860Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	2			
Lot 11-243	16170Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	4			
Lot 11-244	18480Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-245	25410Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-246	27720Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-247	30030Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-248	32340Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-249	34650Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Lot 11-250	48510Wh Battery Energy Storage System (Battery bank, battery rack, Battery Management System and associated accessories)	Lot (No. of sites)	1			
Sub-total Battery Energy Storage System						
Other SPGP Items						
Lot 11-251	Metering system consisting of the main meter for export of energy from SPGP and associated accessories including its mounting and enclosure	Lot	34			
Lot 11-252	Service Cable (16mm ² PVC Insulated Single Phase Concentric Aluminum Cable)	Metres	1700			
Lot 11-253	Service Cable (25mm ² PVC Insulated three phase, 4 core Concentric Aluminum Cable)	Metres	200			
Lot 11-254	Internal wiring materials for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	34			
Lot 11-255	Earthing materials and accessories (Lightning arrestors, DC earthing, AC earthing, earthing at beneficiary premises)	Lot	34			
Lot 11-256	All balance of system components for interconnecting the battery and solar array with their inverters and the wider AC distribution system, including but not limited to: AC & DC wiring, breakers, fuses, 10mm ² copper dropper cables for meters, meterboxes, cut outs, combiner boxes, recombiner boxes, panelboards, conduits, cables and cable trays, relays, trenches, support structures, cabinets, sensors and any other materials required for complete operation of the system.	Lot	34			
Sub-total Other SPGP Items						
TOTAL (To Schedule No. 7. Grand Summary)						
			Name of Bidder _____			
			Signature of Bidder _____			
/ Specify currency in accordance with specifications in Bid Data Sheet under ITB 18.1						
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item						
SCHEDULE NO. 3 - DESIGN SERVICES						
The design costs should include Survey, premises picking, customer sensitization, customer data collection, and detailed design including design proposals/information updating on the KPLC Facility Data Base (FDB), preparation and submission of drawings.						
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹
				Local Currency Portion	Foreign Currency Portion (Optional)	
			(1)	(2)		(1) X (2)
Lot 11-301	1200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	16			

Lot 11-302	1500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	5			
Lot 11-303	1800Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	2			
Lot 11-304	2100Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	4			
Lot 11-305	2400Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-306	3300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-307	3600Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-308	3900Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-309	4200Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-310	4500Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			
Lot 11-311	6300Wp SPGP system: Survey and Design of SPV Modules and mounting structures, Battery Energy Storage System (including Battery Management System, Battery racking structures); Inverters, civil works and all other SPGP items	Lot	1			

TOTAL (To Schedule No. 7. Grand Summary)

	Name of Bidder _____
	Signature of Bidder _____
/ Specify currency in accordance with ITB 18	
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item	

SCHEDULE NO. 4 - INSTALLATION, COMMISSIONING, AND OTHER SERVICES

Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Solar Power Generation Plant (SPGP)							
Lot 11-401	1200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	16				
Lot 11-402	1500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	5				
Lot 11-403	1800Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	2				
Lot 11-404	2100Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	4				
Lot 11-405	2400Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-406	3300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-407	3600Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-408	3900Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-409	4200Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-410	4500Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
Lot 11-411	6300Wp SPGP System: Installation, Erection, Testing and Commissioning of complete SPGP System (including SPV Modules, Battery Energy Storage System, Inverters, solar energy export meter)	Lot	1				
	Sub-total Solar Power Generation Plant (SPGP)						
Service cable/Internal Wiring							
Lot 11-412	Service cable installation complete with terminations on both the meter Box and Customer Distribution board /consumer unit, installation of Meter box, Prepaid meter, MCB and Earthing at customer side.	Lot	34				
Lot 11-413	EPRA Wiring Certification	No.	34				

Lot 11-414	Internal wiring for the main building of the community facility with a minimum of Fuse cutout, 63A Distribution Board, 5 lighting points, 2 sockets and suitable earth	Lot	34				
Sub-total Service Cable/Internal Wiring							
Civil works							
1200Wp SPGP System:							
Lot 11-415	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	16				
Lot 11-416	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	16				
Lot 11-417	Chain-link fencing of the whole SPGP demarcated area	Lot	16				
1500Wp SPGP System:							
Lot 11-418	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	5				
Lot 11-419	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	5				
Lot 11-420	Chain-link fencing of the whole SPGP demarcated area	Lot	5				
1800Wp SPGP System:							
Lot 11-421	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	2				
Lot 11-422	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	2				
Lot 11-423	Chain-link fencing of the whole SPGP demarcated area	Lot	2				
2100Wp SPGP System:							
Lot 11-424	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	4				
Lot 11-425	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	4				
Lot 11-426	Chain-link fencing of the whole SPGP demarcated area	Lot	4				
2400Wp SPGP System:							
Lot 11-427	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-428	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-429	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3300Wp SPGP System:							
Lot 11-430	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-431	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-432	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3600Wp SPGP System:							
Lot 11-433	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-434	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-435	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
3900Wp SPGP System:							
Lot 11-436	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-437	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-438	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
4200Wp SPGP System:							
Lot 11-439	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-440	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-441	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
4500Wp SPGP System:							
Lot 11-442	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-443	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-444	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
6300Wp SPGP System:							
Lot 11-445	All site work, clearing, digging, trenching, grading, access roads, etc. to prepare the site for construction activities including labor for delivering, unloading, installation, commissioning, and initial operation of the system	Lot	1				
Lot 11-446	Establishment of a suitable, well ventilated SPGP equipment enclosure.	No	1				
Lot 11-447	Chain-link fencing of the whole SPGP demarcated area	Lot	1				
Sub-total Civil Works							
Others							
Lot 11-448	Offices Facilities: Provide site office complete with communication facilities	Months	18				
Lot 11-449	Provision of Transport Services: Provide transport for KPLC Project Implementation Team for Project supervision and coordination of activities (1 No. 4X4 Vehicle)	Months	18				
Lot 11-450	Factory Acceptance Tests for Major Items	Lumpsum					
Sub-total Others							
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
/ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies.							
NB – Refer to Volume II, Employer's Requirements & Technical Specifications for details of each item							

SCHEDULE NO. 5. ENVIRONMENTAL, SOCIAL, HEALTH AND SAFETY (ESHS) SERVICES							
Item	Description	Unit	Qty. (Sites)	Unit Price ¹		Total Price ¹	
				Foreign Currency Portion	Local Currency Portion	Foreign	Local
			(1)	(2)	(3)	(1) X (2)	(1) X (3)
Dust emission							
Lot 11-501	Sprinkling water on excavated soil when necessary and where water is available to reduce dust	Lot	34				
Lot 11-502	Personal Protective equipment to be provided to employees and worn especially mask for dust	Lot	34				
Worksite Safety, at height, accidents and Health Hazards to employees							
Lot 11-503	Provision of all appropriate PPEs to the contractor's employees	Lot	34				
Lot 11-504	Necessary and appropriate warning signs in various points that are risky	Lot	34				
Lot 11-505	Provide a general register for adequate reporting of accidents	Lot	34				
Lot 11-506	Provision of the first aid kits on site with trained first aiders.	Lot	34				
Fire hazards and outbreaks							
Lot 11-507	Labelling / signage of all equipment and compartments	Lot	34				
Lot 11-508	Adequate firefighting appliances at all sites to meet any emergency resulting from ignition of a fire.	Lot	34				
Traffic management							
Lot 11-509	Traffic marshals where/when required to control traffic	Lot	34				
Health concerns							
Lot 11-510	The contractor to provide clean drinking water to members of staff.	Lot	34				
Lot 11-511	Provision of adequate and mobile rest rooms to members of staff.	Lot	34				
Lot 11-512	Regular sensitization and creation of awareness among the staff on HIV/AIDS and other sexually transmitted diseases	Lot	34				
Lot 11-513	Provision of condoms	Lot	34				
Use of an integrated solid and E-waste management system							
Lot 11-514	Provide facilities for proper handling and storage of construction materials to reduce the amount of waste caused by damage or exposure to the elements	Lot	34				
Lot 11-515	Dispose waste more responsibly by contracting a registered NEMA waste handler who will dispose the wastes at designated sites or landfills only	Lot	34				
Lot 11-516	Waste collection bins to be provided at designated points	Lot	34				
Lot 11-517	Have a contract with the suppliers/certified facility to collect E-waste equipment that is obsolete/which has reached End-Of-Life (EOL) e.g. , batteries, inverters, solar panels etc. for adequate disposal	Lot	34				
Generation of waste water							
Lot 11-518	Provide means for handling sewage generated at the construction site-use of mobile toilet	Lot	34				
TOTAL (To Schedule No. 7. Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
¹ Specify currency in accordance with ITB 18. Create and use as many columns for Unit Price and Total Price as there are currencies. <i>NB – For details of each item, refer to Generic Environmental, Social, Health and Safety Management Plan for proposed stand-alone solar systems for community facilities, contained in Volume I, Bidding Procedures and Conditions of Contract and Contract Forms</i>							
SCHEDULE NO. 6 - OPERATIONS & MAINTENANCE							
Item	Description	Unit	Qty.	% of O&M Contract Price	Unit Price ¹		Total Price ¹
					Local Currency Portion	Foreign Currency Portion (Optional)	
Lot 11-601	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIRST YEAR	Year	1	11.5			
Lot 11-602	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SECOND YEAR	Year	1	11.5			
Lot 11-603	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for THIRD YEAR	Year	1	11.5			
Lot 11-604	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FOURTH YEAR	Year	1	11.5			
Lot 11-605	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for FIFTH YEAR	Year	1	18			
Lot 11-606	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SIXTH YEAR	Year	1	18			
Lot 11-607	Operations and Maintenance of the Stand Alone Solar Photovoltaic Generation Plant Facility for SEVENTH YEAR	Year	1	18			
TOTAL (To Schedule No. 7 Grand Summary)							
				Name of Bidder _____			
				Signature of Bidder _____			
¹ Specify currency in accordance with ITB 18 <i>NB – Refer to Volume I and Volume II for details of Operations & Maintenance</i>							

SCHEDULE NO. 7 - GRAND SUMMARY			
Item	Description	Total Price ¹	
		Foreign	Local
Phase 1 - Supply and Installation			
1	Total Price of Schedule No 1 : Plant and Mandatory Spare Parts Supplied from Abroad		
2	Total Price of Schedule No 2 : Plant and Mandatory Spare Parts from Within the Employer's Country		
3	Total Price of Schedule No 3 : Design Services		
4	Total Price of Schedule No 4 : Installation, Commissioning, and Other Services		
5	Total Price of Schedule No 5 : Environmental, Social, Health and Safety (ESHS) Services		
Sub-total Phase 1 - Supply and Installation			
Phase 2 - Operations and Maintenance			
6	Total Price of Schedule No 6 : Operations & Maintenance		
Sub-total Phase 2 - Operations and Maintenance			
TOTAL (to Letter of Bid)			
		Name of Bidder _____	
		Signature of Bidder _____	
/ Specify currency in accordance with ITB 18. Create and use as many columns for Foreign Currency requirement as there are foreign currencies			