(An Undertaking of Government of Nepal)



KfW Development Bank (No.: 2019 69 203)

Distribution and Consumer Services Directorate

Planning and Technical Services Department

Promotion of Solar Energy in Rural and Semi Urban Region II

Project

# BIDDING DOCUMENT FOR

# THE PROCUREMENT OF UTILITY-SCALE GROUND MOUNTED PHOTOVOLTAIC SYSTEMS INTERNATIONAL COMPETITIVE BIDDING (ICB)

# Single-Stage, Two Envelope Bidding Procedure Volume III

Issued on: 22<sup>nd</sup> July 2024

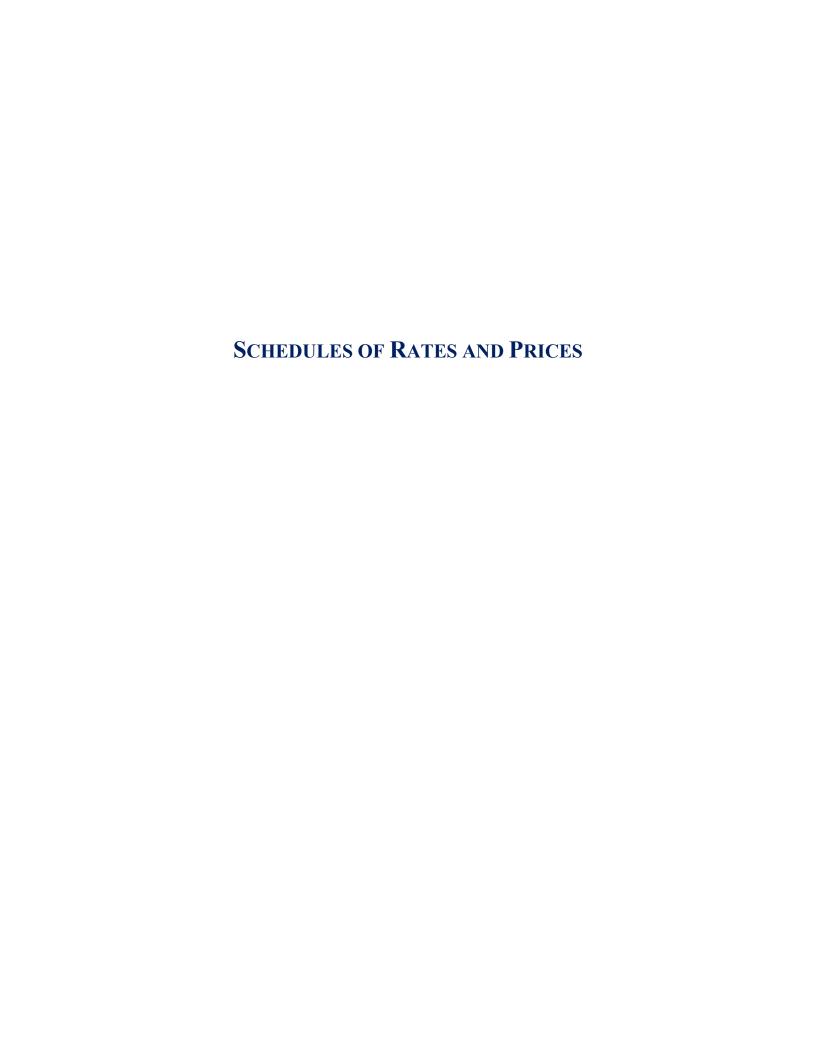
Invitation for Bids No.: ICB-SEPP-EPC-SOLAR-01/2023-KfW-BMZ-PN511010

Solar Energy Promotion Project

Planning and Technical Service Department Distribution and Consumer Service Directorate

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Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems. Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 1: Plant and Equipment including Mandatory Spares to be supplied from abroad

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Country of Origin	Unit	Quantity	clearing,	ject Site includi forwarding and (excluding Taxe applicable in N	transportation s and Duties	Total Amount (excluding Taxes and Duties) FC	Custom, VAT and other taxes
					Currency	Unit Rate	Amount		
1	2	3	4	5	6	7	8 = 7 X 5	9 = 8	10
	Part - A MATERIALS, Middle Marshyangdi - 1.6 MW					•	0-1X0	3-0	
A1	Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its		kW	1600			-	-	
A2	Supply, delivery, installation, testing and commissioning of String inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement		kW	1600			-	-	
A3	Supply, delivery, installation, testing and commissioning of Combiner box of 1500V and accessories all complete as speccified in the Employer's Requirement		Lot	1			•	ı	
A4	Supply, delivery, installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement		Set	1			-	-	
A5	Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A6	Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement		Lot	1			-	-	
A7	Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement		Lot	1			-	•	
A8	Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete		Lot	1			-	-	
A9	Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete		Lot	1			-	-	
A10	Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete		Lot	1			-	-	
A11	Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories all complete		Lot	1			-	-	
A12	Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	•	
A13	Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all! complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment. UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system		Lot	1			-	-	
A14	Supply, delivery, installation, testing and commissioning of 33kV overhead transmission line materials and accessories all complete as specified in the Employer's requirement and all other supplies as required to commission the system		km	1			-	-	
A15	All equipment and tools as required to fulfill requirements as per the Employer's Requirement		Lot	1			-	•	
A16	Mandatory spare parts as specified in the Employer's Requirement		Lot	1			_	-	
	Total for Schedule 1 (Total of column 9 to be carried forward to Schedule 8: Grand	Summary)					-		

# Note:

- 1) The prices of equipment must be inclusive of type test charges, testing and commissioning.
  2) BoQ given above is indicative only based on the scope of work as given in the Employer's Requirements. The above quantities may vary during the detailed engineering to meet the functional requirement and complete scope of work for successful commissioning and operations of project. However, the cost of the such quantities shall deem to to be included in the above items.
  3) The defined plant capacity in kW is the minimum requirement. The bidder should quote the price considering kWp (installed capacity) based on their own system sizing.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 2: Plant and Equipment including Mandatory Spares to be supplied from within Nepal

LC: Local Currency (All Prices in Local Currency)

S.No.	Description of Items	Unit	Quantity	Taxes and	rice (Excluding IVAT) in LC		ion to Site in .C	Total Amount (Excluding	Custom, VAT
				Unit Rate	Amount	Unit Rate	Amount	Taxes)	
1	2	3	4	5	6 = 4 X 5	7	8 = 4 X 7	9 = 6 + 8	10
	Part - A MATERIALS, Middle Marshyangdi - 1.6 MW								
A1	Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements	kW	1600						
A2	Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement.	kW	1600						
A3	Supply, delivery, installation, testing and commissioning of Combiner box of 1500V and accessories all complete as specified in the Employer's Requirement	Lot	1						
A4	Supply, delivery, installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement	Set	1						
A5	Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A6	Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement	Lot	1						
A7	Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement	Lot	1						
A8	Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete	Lot	1						
A9	Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete	Lot	1						
A10	Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete	Lot	1						
A11	Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories all complete	Lot	1						
A12	Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A13	Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment. UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system	Lot	1						
A14	Supply, delivery, installation, testing and commissioning of 33kV overhead transmission line materials and accessories all complete as specified in the Employer's requirement and all other supplies as required to commission the system	km	1						
A15	All equipment and tools as required to fulfill requirements as per the Employer's Requirement	Lot	1						
A16	Mandatory spare parts as specified in the Employer's Requirement	Lot	1						
	Total for Schedule 2 (Total of column 9 to be carried forward to Schedule 8: Grand	l Summar	y)						

Note:

1) The bidder is required to quote the prices in this Schedule for the items which they wish to supply from within Nepal.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 3: Local Transportation, Insurance and other incidental services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit	Quantity	Quantity	Quantity	Unit I	Price	Total	Price
				LC Portion	FC Portion	LC Portion	FC Portion		
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6		
	Local Transportation, Insurance and other incidental services for Middle								
A	Marshyangdi - 1.6 MW								
A1	Local Transportation, Insurance and other incidental services	LS	1	Please Refer to Schedule No.:1					
	Total for Schedule 3 (Total of column 7 and 8 to be carried forward to Schedule 8								

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 4: Design Services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit	Quantity		Price	Total	Price
				LC Portion	FC Portion	LC Portion	FC Portion
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6
Α	Survey, Design and Investigation for Middle Marshyangdi - 1.6 MW						
A1	Pre-construction survey and investigations, and detail design of PV plant and	LS	1				
AI	transmission line (electrical, electronics, civil and mechanical) all complete	LS	'				
	Total for Schedule 4 (Total of column 8 to be carried forward to Schedule 8: Gran						

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 5: Installation and Other Services

(a) Installation and Construction Charges (b) LC: Local Currency

S.No.	Description of Norma	11!4	0	Installation and Construction		
S.No.	Description of items	Description of Items         Unit         Quantity         LC           Unit Rate         2         3         4         5	Amount			
1	2	3	4		6 = 4 X 5	
	Installation, Middle Marshyangdi - 1.6 MW		_	•	0-470	
	Installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4					
A1	Connectors, and accessories all complete as specified in the Employer's Requirements	kW	1600	-	-	
	Installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and					
A2	accessories all complete as specified in the Employer's Requirement	kW	1600	-	-	
40	Installation, testing and commissioning of Combiner box of 1500V and accessories all complete as					
A3	speccified in the Employer's Requirement	Lot	1	-	-	
A 4	Installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with	0-4	1			
A4	associated accessories all complete as specified in Employer's Requirement	Set	'	-	-	
A5	Installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all	Lot	1			
AS	complete as specified in the Employer's Requirement	LOI	'	-		
A6	Installation, testing and commissioning of Weather Monitoring Stations all complete as specified in	Lot	1 1	_	_	
7.0	the Employer's Requirement	LOI		_		
A7	Installation, testing and commissioning of SCADA System, required software and hardware, cables,		1 1	_	_	
	and associated accessories all complete as specified in the Employer's Requirement	Lot				
A8	Installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories	Lot	1	-	-	
4.0	all complete					
A9	Installation, testing and commissioning of LT Panels of 800V with required accessories all complete Installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with	Lot	1	-	-	
A10		Lot	1	-	-	
	required accessories all complete Installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories					
A11	all complete	Lot	1	-	-	
	Installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc),					
A12	cable trays, and accessories all complete as specified in the Employer's Requirement	Lot	1	-	-	
	Installation, testing and commissioning of Balance of System including Switchyard steel structures,					
	security and survillence system to monitor entire PV plant area and solar substation with monitoring					
	system and all accessories all complete, auxiliary power supply system, earthing and lightning					
	system for PV area and solar substation area all complete, flood and led bollard lights and its					
A13	accessories alll complete for PV area and solar substation, fire protection system, batteries and	Lot	1	-	-	
	chargers for charging anel and feeder panel all complete, energy meter and metering equipment,					
	UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required					
	to commission the system					
	Installation, testing and commissioning of 33kV overhead transmission line materials and					
A14	accessories all complete as specified in the Employer's requirement and all other supplies as	km	1	-	-	
	required to commission the system					
	Sub-Total for Part A				-	
Part - B	CIVIL WORKS, Middle Marshyangdi - 1.6 MW					
B1	Contruction of Main Control Building civil works including materials all complete as specified in	Lot	1 1	_	_	
	Employer's Requirements					
DO	Construction of Cable Trench Works works including materials all complete as specified in	Lot	1	-	-	
B2	Employer's Requirements  Construction of Foundation Works including materials all complete as specified in Employer's					
B3	Requirements	Lot	1	-	-	
	Construction of Fencing with Toe Wall Works including materials all complete as specified in					
B4	Employer's Requirements	Lot	1	-	-	
	Construction of Module Cleaning System including materials all complete as specified in Employer's					
B5	Requirements	Lot	1	-	-	
	Construction of Switchyard Area civil works including materials all complete as specified in					
В6	Employer's Requirements	Lot	1	-	-	
	Construction of Conrete Lined Stone Masonary Drainage System including materials all complete as					
B7	specified in Employer's Requirements	Lot	1	-	-	
	Sub-Total for Part B				-	
	Total for Schedule 5 (Total of column 5 to be carried forward to Schedule 8: Grand Summary)					

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 6: Environmental, Social, Health and Safety Requirements

FC: Foreign Currency

S.No.	. Description of Items		Quantity	Unit Price	Total Price		
				FC Portion	FC Portion		
1	2	3	4	5	6 = 4 X 5		
Α	Environmental, Social, Health and Safety for Middle Marshyangdi - 1.6 MW						
A1	Preparation and execution of Environmental, Social, Health and Safety plan including fulfillment of all the requirements as specified in the Employer's Requirement	LS	1		-		
	Total of Schedule 6 (Total of column 6 to be carried forward to Schedule 8: Grand Summary)						

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate Planning and Technical Services Department Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 7: Operational and Maintenance Requirements

FC: Foreign Currency

S.No.	Description of Items		Quantity	Unit Price	Total Price
				FC Portion	FC Portion
1	2	3	4	5	6 = 4 X 5
Α	Operations and Maintenance of PV Plant for Middle Marshyangdi - 1.6 MW				
	Year - 1	LS	1		-
	Year - 2	LS	1		-
	Year - 3	LS	1		-
	Year - 4	LS	1		-
	Year - 5	LS	1		-
	Total of Schedule 7 (Total of column 6 to be carried forward to Schedule 8: Grand	Summar	<u>/)</u>		-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010

Schedule No. 8: Grand Summary

FC: Foreign Currency

S.No.	Description of Items	Total Price	Total Price FC Portion
1	2	3	_
ı	Grand Summary for Middle Marshyangdi 1.6 MW	3	4
Α	Total Schedule No. 1		
В	Total Schedule No. 2		
С	Total Schedule No. 3	Not Ap	plicable
D	Total Schedule No. 4		
Е	Total Schedule No. 5		
F	Total Schedule No. 6		
G	Total Schedule No. 7		
	Grand Total A+B+D+E+F+G		

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 1: Plant and Equipment including Mandatory Spares to be supplied from abroad

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Country of Origin	Unit	Quantity	applicable in Nepal)  FC  Currency Unit Rate Amount			Total Amount (excluding Taxes and Duties) FC	Custom, VAT and other taxes
1	2 Part - A MATERIALS. Surkhet - 2.0 MW	3	4	5	6	7	8 = 7 X 5	9 = 8	10
	Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500								
A1	VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements		kW	2000			-	-	
A2	Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement		kW	2000			-	-	
A3	Supply, delivery, installation, testing and commissioning of Combiner box of 1500V and accessories all complete as speccified in the Employer's Requirement		Lot	1			-	-	
A4	Supply, delivery, installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement		Set	1			-	-	
A5	Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A6	Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement		Lot	1			-	-	
A7	Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A8	Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete		Lot	1			-	-	
A9	Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete		Lot	1			-	-	
A10	Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete		Lot	1			-	-	
A11	Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories all complete		Lot	1			-	-	
A12	Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A13	Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system		Lot	1			-	-	
A14	Supply, delivery, installation, testing and commissioning of 33kV overhead transmission line materials and accessories all complete as specified in the Employer's requirement and all other supplies as required to commission the system		km	3.5			-	-	
A15	All equipment and tools as required to fulfill requirements as per the Employer's Requirement		Lot	1			-	-	
A16	Mandatory spare parts as specified in the Employer's Requirement		Lot	1			-	-	
	Total for Schedule 1 (Total of column 9 to be carried forward to Schedule 8: Grand	Summary)					-	-	

# Note:

- 1) The prices of equipment must be inclusive of type test charges, testing and commissioning.
  2) BoQ given above is indicative only based on the scope of work as given in the Employer's Requirements. The above quantities may vary during the detailed engineering to meet the functional requirement and complete scope of work for successful commissioning and operations of project. However, the cost of the such quantities shall deem to to be included in the above items.
  3) The defined plant capacity in kW is the minimum requirement. The bidder should quote the price considering kWp (installed capacity) based on their own system sizing.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 2: Plant and Equipment including Mandatory Spares to be supplied from within Nepal

LC: Local Currency (All Prices in Local Currency)

S.No.	Description of Items	Unit	Quantity		rice (Excluding ) in LC		ion to Site in C	Total Amount (Excluding	Custom, VAT
				Unit Rate	Amount	Unit Rate	Amount	Taxes)	and other taxes
1	2	3	4	5	6 = 4 X 5	7	8 = 4 X 7	9 = 6 + 8	10
	Part - A MATERIALS, Surkhet - 2.0 MW								
A1	Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements	kW	2000						
A2	Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement	kW	2000						
A3	Supply, delivery, installation, testing and commissioning of Combiner box of 1500V and accessories all complete as speccified in the Employer's Requirement	Lot	1						
A4	Supply, delivery, installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement	Set	1						
A5	Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A6	Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement	Lot	1						
A7	Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement	Lot	1						
A8	Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete	Lot	1						
A9	Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete	Lot	1						
A10	Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete	Lot	1						
A11	Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories all complete	Lot	1						
A12	Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A13	Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system	Lot	1						
A14	Supply, delivery, installation, testing and commissioning of 33kV overhead transmission line materials and accessories all complete as specified in the Employer's requirement and all other supplies as required to commission the system	km	3.5						
A15	All equipment and tools as required to fulfill requirements as per the Employer's Requirement	Lot	1						
A16	Mandatory spare parts as specified in the Employer's Requirement	Lot	1						
	Total for Schedule 2 (Total of column 9 to be carried forward to Schedule 8: Grand	Summar	y)						

Note:

1) The bidder is required to quote prices in this Schedule for the items which they wish to supply from within Nepal.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 3: Local Transportation, Insurance and other incidental services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit	Quantity	Unit	Price	Total	Price	
				LC Portion	FC Portion	LC Portion	FC Portion	
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6	
Α	Local Transportation, Insurance and other incidental services Surkhet - 2.0 MW							
A1	Local Transportation, Insurance and other incidental services	LS	1	Please Refer to Schedule No.:1				
	Total for Schedule 3 (Total of column 7 and 8 to be carried forward to Schedule 8							

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 4: Design Services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit	Quantity	Unit Price		Total Price	
				LC Portion	FC Portion	LC Portion	FC Portion
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6
Α	Survey, Design and Investigation for Surkhet - 2.0 MW						
	Pre-construction survey and investigations, and detail design of PV plant and	1.0					
A1	transmission line (electrical, electronics, civil and mechanical) all complete	LS	' '				
	Total for Schedule 4 (Total of column 7 and 8 to be carried forward to Schedule 8						

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 5: Installation and Other Services

(a) Installation and Construction Charges (b) LC: Local Currency

C N-	Description of Itoms	11:!4	0	Installation and	
S.No.	Description of Items	Unit	Quantity	Unit Rate	
1	2	3	4	Unit Rate 5	Amount 6 = 4 X 5
	Installation, Surkhet - 2.0 MW	<u> </u>	4	5	0 = 4 A S
rait-A	Installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4				
A1	Connectors, and accessories all complete as specified in the Employer's Requirements	kW	2000	-	-
	Installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and				
A2	accessories all complete as specified in the Employer's Requirement	kW	2000	-	-
A3	Installation, testing and commissioning of Combiner box of 1500V and accessories all complete as	Lot	1		
AS	speccified in the Employer's Requirement	LOI	'	-	
A4	Installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with	Set	1 1	_	_
	associated accessories all complete as specified in Employer's Requirement				
A5	Installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement	Lot	1	-	-
	Installation, testing and commissioning of Weather Monitoring Stations all complete as specified in				
A6	the Employer's Requirement	Lot	1	-	-
	Installation, testing and commissioning of SCADA System, required software and hardware, cables,				
A7	and associated accessories all complete as specified in the Employer's Requirement	Lot	1	-	-
40	Installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories	1 -4			
A8	all complete	Lot	1	-	-
A9	Installation, testing and commissioning of LT Panels of 800V with required accessories all complete	Lot	1	-	-
A10	Installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with	Lot	1 1	_	_
71.0	required accessories all complete				
A11	Installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories	Lot	1	-	_
	all complete				
A12	Installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement	Lot	1	-	-
	Installation, testing and commissioning of Balance of System including Switchyard steel structures,				
	security and survillence system to monitor entire PV plant area and solar substation with monitoring				
	system and all accessories all complete, auxiliary power supply system, earthing and lightning				
A13	system for PV area and solar substation area all complete, flood and led bollard lights and its	Lot	1 1		
A13	accessories alll complete for PV area and solar substation, fire protection system, batteries and	LOT	1 1	-	-
	chargers for charging anel and feeder panel all complete, energy meter and metering equipment,				
	UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required				
	to commission the system				
	Installation, testing and commissioning of 33kV overhead transmission line materials and		0.5		
A14	accessories all complete as specified in the Employer's requirement and all other supplies as required to commission the system	km	3.5	-	-
	Sub-Total for Part A				
Part - B	CIVIL WORKS, Surkhet - 2.0 MW				<del>_</del>
	Construction of Main Control Building civil works including materials all complete as specified in				
B1	Employer's Requirements	Lot	1	-	-
	Construction of Cable Trench Works works including materials all complete as specified in	Lot	1	_	
B2	Employer's Requirements	LOI	'	-	-
В3	Construciton of Foundation Works including materials all complete as specified in Employer's	Lot	1 1	_	_
	Requirements	Lot	'		
	Construction of Fencing with Toe Wall Works including materials all complete as specified in	Lot	1 1	-	_
B4	Employer's Requirements				
B5	Construction of Module Cleaning System including materials all complete as specified in Employer's Requirements	Lot	1	-	-
	Construction of Switchyard Area civil works including materials all complete as specified in				
В6	Employer's Requirements	Lot	1	-	-
	Construction of Conrete Lined Stone Masonary Drainage System including materials all complete as				
B7	specified in Employer's Requirements	Lot	1	-	-
Do	Construction of Retaining Wall including materials all complete as specified in Employer's	l st	1		
B8	Requirements	Lot	ı .	-	-
	Sub-Total for Part B				-
	Total for Schedule 5 (Total of column 5 to be carried forward to Schedule 8: Grand Summary)				-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate Planning and Technical Services Department Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 6: Environmental, Social, Health and Safety Requirements

FC: Foreign Currency

S.No.	S.No. Description of Items	Unit	Quantity	Unit Price	Total Price
				FC Portion	FC Portion
1	2	3	4	5	6 = 4 X 5
Α	Environmental, Social, Health and Safety for Surkhet - 2.0 MW				
A1	Preparation and execution of Environmental, Social, Health and Safety plan including fulfillment of all the requirements as specified in the Employer's Requirement	LS	1		-
	Total of Schedule 6 (Total of column 6 to be carried forward to Schedule 8: Grand	Summary	()		-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate Planning and Technical Services Department Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 7: Operational and Maintenance Requirements

FC: Foreign Currency

S.No.	Description of Items		Quantity	Unit Price	Total Price
				FC Portion	FC Portion
1	2	3	4	5	6 = 4 X 5
Α	Operations and Maintenance of PV Plant for Surkhet - 2.0 MW				
	Year - 1	LS	1		-
	Year - 2	LS	1		-
	Year - 3	LS	1		-
	Year - 4	LS	1		-
	Year - 5	LS	1		-
	Total of Schedule 7 (Total of column 6 to be carried forward to Schedule 8: Grand	Summar	<u>, , , , , , , , , , , , , , , , , , , </u>		-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010

Schedule No. 8: Grand Summary

FC: Foreign Currency

S.No.	Description of Items	Total Price	Total Price
		LC Portion	FC Portion
1	2	3	4
	Grand Summary for Surkhet 2.0 MW		
Α	Total Schedule No. 1		
В	Total Schedule No. 2		
С	Total Schedule No. 3	Not Ap	plicable
D	Total Schedule No. 4		
E	Total Schedule No. 5		
F	Total Schedule No. 6		
G	Total Schedule No. 7		
	Grand Total A+B+D+E+F+G		

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 1: Plant and Equipment including Mandatory Spares to be supplied from abroad

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Country of Origin	Unit	Quantity	clearing, fo				Custom, VAT and other taxes
1	2	3	4	5	6	7	8 = 7 X 5	9 = 8	10
	Part - A MATERIALS, Gandak- 5.8 MW								
A1	Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements		kW	5800			-	-	
A2	Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement		kW	5800			-	-	
А3	Supply, delivery, installation, testing and commissioning of Combiner box of 1500V and accessories all complete as speccified in the Employer's Requirement		Lot	1			-	-	
A4	Supply, delivery, installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement		Set	2			-	-	
A5	Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A6	Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement		Lot	1			-	-	
A7	Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A8	Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete		Lot	1			-	-	
A9	Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete		Lot	1			-		
A10	Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete		Lot	1			-	-	
A11	Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories all complete		Lot	1			-	-	
A12	Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement		Lot	1			-	-	
A13	Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment. UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system		Lot	1			-	-	
A14	All equipment and tools as required to fulfill requirements as per the Employer's Requirement		Lot	1			-	-	
A15	Mandatory spare parts as specified in the Employer's Requirement		Lot	1			-	-	
	Total for Schedule 1 (Total of column 9 to be carried forward to Schedule 8: Grand	Summary)						-	

# Note:

- 1) The prices of equipment must be inclusive of type test charges, testing and commissioning,
  2) BoQ given above is indicative only based on the scope of work as given in the Employer's Requirements. The above quantities may vary during the detailed engineering to meet the functional requirement and complete scope of work for successful commissioning and operations of project. However, the cost of the such quantities shall deem to to be included in the above items.
  3) The defined plant capacity in kW is the minimum requirement. The bidder should quote the price considering kWp (installed capacity) based on their own system sizing.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 2: Plant and Equipment including Mandatory Spares to be supplied from within Nepal

LC: Local Currency (All Prices in Local Currency)

1 Part - A MATERIALS, Gandak- 6.8 MW Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500 AV DC at least 60VMp, MCA Connectors, and accessories all complete as specified in the Employer's Negurement Supply, delivery, installation, testing and commissioning of Structure, and accessories all complete as specified in the Employer's Requirement Supply, delivery, installation, testing and commissioning of Structure, and accessories all complete as specified in the Employer's Requirement Supply, delivery, installation, testing and commissioning of Oxidate November 1 Complete in the Supply, delivery, installation, testing and commissioning of Oxidate November 1 Complete in the Supply, delivery, installation, testing and commissioning of Oxidate November 1 Complete in the Supply, delivery, installation, testing and commissioning of Madule Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement Supply, delivery, installation, testing and commissioning of ScADA System, required AS Supply, delivery, installation, testing and commissioning of ScADA System, required AS Supply, delivery, installation, testing and commissioning of ScADA System, required AS Supply, delivery, installation, testing and commissioning of ScADA System, required accessories all complete Supply, delivery, installation, testing and commissioning of ScADA System, required accessories all complete Supply, delivery, installation, testing and commissioning of Control and Relay Panel of System including System in the Supply, delivery, installation, testing and commissioning of Control and Relay Panel of System including System in the Employer's Requirement and all accessories all complete on the Employer's Requirement of the Employer's Requirement and all the supplies as required to commission the system to mon	S.No.	Description of Items	Unit	Quantity	VAT	rice (Excluding in LC	· L	Transportation to Site in LC		Custom, VAT
Part - A MATERIALS, Gandak - S.8 MW					Unit Rate		Unit Rate			
Supply, delivery, installation, testing and commissioning of PV Modules of N-Type 1500	1		3	4	5	6 = 4 X 5	7	8 = 4 X 7	9 = 6 + 8	10
A1 VDČ at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements  Supply, delivery, installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement and accessories all complete as specified in the Employer's Requirement and accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement and accessories all complete as specified in the Employer's Requirement and accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as specified in the Employer's Requirement accessories all complete as accessories all complete										
A2 mounting structure, and accessories all complete as specified in the Employer's Requirement  A3 accessories all complete as specified in the Employer's Requirement  A4 Transformer, its mounting rail, with associated accessories all complete as specified in the Employer's Requirement  A5 Supply, delivery, installation, testing and commissioning of 0.8/33/W Power  A6 Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement  A6 Supply, delivery, installation, testing and commissioning of Weather Montioring Stations all complete as specified in the Employer's Requirement  A6 Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement as supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250  A7 with required accessories all complete  A8 Supply, delivery, installation, testing and commissioning of SaX bay equipment such as C7, IVOR, et with required accessories all complete  A10 Supply, delivery, installation, testing and commissioning of SaX bay equipment such as C7, IVOR, et with required accessories all complete  A11 SaX with required accessories all complete  A12 Supply, delivery, installation, testing and commissioning of Cables (AI) DC, LT, HT, complete for PT, VOR, et with required accessories all complete as because as a complete as a co	A1	VDC at least 600Wp, MC4 Connectors, and accessories all complete as specified in the Employer's Requirements	kW	5800						
accessories all complete as specified in the Employer's Requirement  AS Supply, delivery, installation, testing and commissioning of 0.8/138/V Power  Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement  AS Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement  AS Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement  AS Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250  A With required accessories all complete  Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete  A10 Supply, delivery, installation, testing and commissioning of SAV bay equipment such as CT, FT, VCB, etc with required accessories all complete  A11 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33KV with required accessories all complete as pecified in the Employer's Requirement  A12 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33KV with required accessories all complete as pecified in the Employer's Requirement  A13 Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survivine as years and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, entrifying and ightinity system for PV area and solar substation with monitoring system and all accessories all complete on PV area and solar substation with monitoring system and all accessories all complete on pv area and solar substatio	A2	mounting structure, and accessories all complete as specified in the Employer's	kW	5800						
Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement  A5 Supply, delivery, installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all complete as specified in the Employer's Requirement  A6 Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement  A7 Supply, delivery, installation, testing and commissioning of TP Panels of 33/36kV, 1250 the Employer's Requirement and the Employer's Required accessories all complete as Supply, delivery, installation, testing and commissioning of TP Panels of 800V with required accessories all complete and the Employer's Required accessories all complete and the Employer's Required accessories all complete and the Employer's Requirement and solar substation and ancillary, etc), cable trays, and accessories all complete and an ancillary, etc), cable trays, and accessories all complete and an ancillary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement and solar substation area all complete, food and led boltard lights and its accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation with monitoring system and all accessories all complete, energy meter and metering equipment. UPS and batteries, etc. as specified in the Employer's Requirement and tools as required to truffill requirements as per the Employer's Requirement and all other supplies as required to truffill requirements as per the Employer's Requirement and tools as required to truffill requirements as per the Employer'	A3	accessories all complete as speccified in the Employer's Requirement	Lot	1						
Ab hardware, and accessories all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of Weather Monitoring Stations  Supply, delivery, installation, testing and commissioning of SCADA System, required  A7 offware and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement  A8 Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250  A with required accessories all complete  A9 upply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete  A10 CT, PT, VCB, etc with required accessories all complete  A11 Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete  A12 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 33/4W with required accessories all complete  A13 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 34/4 with required accessories all complete  A12 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of 34/4 with required accessories all complete  A12 Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, All 2 communication and ancilliary, etc.), cable trays, and accessories all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of Balance of System including Switchydray dated structures, security and survillence system to monitor entire PV plant area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, LIPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system	A4	Transformer, its mounting rail, with associated accessories all complete as specified in Employer's Requirement	Set	2						
All complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of SCADA System, required software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement  As Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories all complete  Ag Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete  All CT, PT, VCB, etc with required accessories all complete  Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete  All Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation, fire production system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, LIPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system  All All equipment and tools as required to fulfill requirements as per the Employer's	A5	hardware, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A7 software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement  A8 Supply, delivery, installation, testing and commissioning of HT Panels of 33/36kV, 1250  A with required accessories all complete  A9 Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete  A10 Carpy, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete  A11 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, instal	A6	all complete as specified in the Employer's Requirement	Lot	1						
A with required accessories all complete  A Supply, delivery, installation, testing and commissioning of LT Panels of 800V with required accessories all complete  A10 CT, PT, VCB, etc with required accessories all complete  A10 Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with required accessories all complete  A11 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Lot 1)  Supply, delivery, installation, testing and commissioning of Salva Panel of 1 and 1 an	A7	software and hardware, cables, and associated accessories all complete as specified in the Employer's Requirement	Lot	1						
required accessories all complete  A10 Supply, delivery, installation, testing and commissioning of 33kV bay equipment such as Ct, PT, VOB, etc with required accessories all complete  A11 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Colles (All DC, LT, HT, All Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, All Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, All Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation, area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, LIPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system  A14 Requirement and tools as required to fulfill requirements as per the Employer's Requirement and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, LIPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system	A8	A with required accessories all complete	Lot	1						
A11 Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Control and Relay Panel of Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, Communication and ancillary, etc.), cable trays, and accessories all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar as ubstation, fare and solar area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, cit. as specified in the Employer's requirement and all other supplies as required to commission the system  A14 Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Requirement and tools as required to fulfill requirements as per the Employer's Reduction and the supplied as the substation of the	A9	required accessories all complete	Lot	1						
A11 33kV with required accessories all complete  Supply, delivery, installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc), cable trays, and accessories all complete as  specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system  A12 Requirement and tools as required to fulfill requirements as per the Employer's Lot 1  Lot 1  Requirement Lot 1  Lot 1  Requirement Lot 1  Lot 1  Requirement Lot 2  Lot 1	A10	CT, PT, VCB, etc with required accessories all complete	Lot	1						
A12 communication and anciliarry, etc), cable trays, and accessories all complete as specified in the Employer's Requirement  Supply, delivery, installation, testing and commissioning of Balance of System including Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system  All equipment and tools as required to fulfill requirements as per the Employer's  Lot 1  Requirement	A11	33kV with required accessories all complete	Lot	1						
Switchyard steel structures, security and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system  All equipment and tools as required to fulfill requirements as per the Employer's  Lot 1	A12	communication and ancilliary, etc), cable trays, and accessories all complete as specified in the Employer's Requirement	Lot	1						
A14 Requirement	A13	Switchyard steel structures, securify and survillence system to monitor entire PV plant area and solar substation with monitoring system and all accessories all complete, auxiliary power supply system, earthing and lightning system for PV area and solar substation area all complete, flood and led bollard lights and its accessories all complete for PV area and solar substation, fire protection system, batteries and chargers for charging anel and feeder panel all complete, energy meter and metering equipment, UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required to commission the system	Lot	1						
A15   Mandatory spare parts as specified in the Employer's Requirement   Lot   1		Requirement		·						
Total for Schedule 2 (Total of column 9 to be carried forward to Schedule 8: Grand Summary)	A15	Mandatory spare parts as specified in the Employer's Requirement								

Note:

1) The bidder is required to quote prices in this Schedule for the items which they wish to supply from within Nepal.

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 3: Local Transportation, Insurance and other incidental services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit (	Unit	Unit	Unit	Unit	Unit (	Unit C	Unit C	Unit C	Unit C	Unit Q	Unit Quantity Unit Price		Unit Price		Price
				LC Portion	FC Portion	LC Portion	FC Portion										
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6										
Α	Local Transportation, Insurance and other incidental services for Gandak- 5.8  MW																
A1	Local Transportation, Insurance and other incidental services	LS	1	Please Refer to Schedule No.:1													
	Total for Schedule 3 (Total of column 7 and 8 to be carried forward to Schedule 8:	Grand Su	immary)														

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 4: Design Services

FC: Foreign Currency, LC: Local Currency

S.No.	Description of Items	Unit	Quantity	Unit Price		Total	Price
				LC Portion	FC Portion	LC Portion	FC Portion
1	2	3	4	5	6	7 = 4 X 5	8 = 4 X 6
	Survey, Design and Investigation for Gandak- 5.8 MW						
	Pre-construction survey and investigations, and detail design of PV plant (electrical,	LS 1	4				
^	electronics, civil and mechanical) all complete		'				
	Total for Schedule 4 (Total of column 7 and 8 to be carried forward to Schedule 8	Grand Su	immary)				

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

**Distribution and Consumer Services Directorate** Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 5: Installation and Other Services

(a) Installation and Construction Charges (b) LC: Local Currency

0 N -	Description of Itoms	Unit	0	Installation and Construct		
S.No.	Description of Items		Quantity	Unit Rate	C Amount	
1	2	3	4	5	6 = 4 X 5	
	Installation, Gandak - 5.8 MW		-		0 470	
A1	Installation, testing and commissioning of PV Modules of N-Type 1500 VDC at least 600Wp, MC4	kW	5800	-	_	
	Connectors, and accessories all complete as specified in the Employer's Requirements					
A2	Installation, testing and commissioning of String Inverters of 1500V, its mounting structure, and	kW	5800	_	_	
712	accessories all complete as specified in the Employer's Requirement		0000			
A3	Installation, testing and commissioning of Combiner box of 1500V and accessories all complete as	Lot	1	-	_	
	speccified in the Employer's Requirement Installation, testing and commissioning of 0.8/33kV Power Transformer, its mounting rail, with					
A4	associated accessories all complete as specified in Employer's Requirement	Set	2	-	-	
	Installation, testing and commissioning of Module Mounting Structure, hardware, and accessories all					
A5	complete as specified in the Employer's Requirement	Lot	1	-	-	
4.0	Installation, testing and commissioning of Weather Monitoring Stations all complete as specified in		_			
A6	the Employer's Requirement	Lot	1	-	-	
A7	Installation, testing and commissioning of SCADA System, required software and hardware, cables,	Lot	1	-	_	
Λ/	and associated accessories all complete as specified in the Employer's Requirement	LOI	!	-		
A8	Installation, testing and commissioning of HT Panels of 33/36kV, 1250 A with required accessories	Lot	1	_	_	
10	all complete		4			
A9	Installation, testing and commissioning of LT Panels of 800V with required accessories all complete Installation, testing and commissioning of 33kV bay equipment such as CT, PT, VCB, etc with	Lot	1	-	-	
A10	required accessories all complete	Lot	1	-	-	
	Installation, testing and commissioning of Control and Relay Panel of 33kV with required accessories					
A11	all complete	Lot	1	-	-	
A12	Installation, testing and commissioning of Cables (All DC, LT, HT, communication and ancilliary, etc),	Lot	1	_		
AIZ	cable trays, and accessories all complete as specified in the Employer's Requirement	LOI	!	-	-	
	Installation, testing and commissioning of Balance of System including Switchyard steel structures,					
	security and survillence system to monitor entire PV plant area and solar substation with monitoring					
	system and all accessories all complete, auxiliary power supply system, earthing and lightning					
A13	system for PV area and solar substation area all complete, flood and led bollard lights and its accessories alll complete for PV area and solar substation, fire protection system, batteries and	Lot	1	-	-	
	chargers for charging anel and feeder panel all complete, energy meter and metering equipment,					
	UPS and batteries, etc. as specified in the Employer's requirement and all other supplies as required					
	to commission the system					
	Sub-Total for Part A				-	
Part - B	CIVIL WORKS, Gandaki - 5.8 MW					
В1	Construction of Main Control Building civil works including materials all complete as specified in	Lot	1	_	_	
D1	Employer's Requirements	Lot	'			
	Construction of Cable Trench Works works including materials all complete as specified in	Lot	1	_	_	
B2	Employer's Requirements		' '			
B3	Construction of Foundation Works including materials all complete as specified in Employer's	Lot	1	-	-	
	Requirements  Construction of Fencing with Toe Wall Works including materials all complete as specified in					
B4	Employer's Requirements	Lot	1	-	-	
	Construction of Module Cleaning System including materials all complete as specified in Employer's					
B5	Requirements	Lot	1	-	-	
	Construction of Switchyard Area civil works including materials all complete as specified in	Lot	1			
В6	Employer's Requirements	LOI	T	-	-	
	Sub-Total for Part B				-	
	Total for Schedule 5 (Total of column 6 to be carried forward to Schedule 8: Grand Summary)					

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate Planning and Technical Services Department Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 6: Environmental, Social, Health and Safety Requirements

FC: Foreign Currency

S.No.	S.No. Description of Items	Unit	Quantity	Unit Price	Total Price
				FC Portion	FC Portion
1	2	3	4	5	6 = 4 X 5
Α	Environmental, Social, Health and Safety for Gandak - 5.8 MW				
A1	Preparation and execution of Environmental, Social, Health and Safety plan including fulfillment of all the requirements as specified in the Employer's Requirement	LS	1		-
	Total of Schedule 6 (Total of column 6 to be carried forward to Schedule 8: Grand	Summary	()		-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate Planning and Technical Services Department Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010 Schedule No. 7: Operational and Maintenance Requirements

FC: Foreign Currency

S.No.	Description of Items		Quantity	Unit Price	Total Price
				FC Portion	FC Portion
1	2	3	4	5	6 = 4 X 5
Α	Operations and Maintenance of PV Plant for Gandak - 5.8 MW				
	Year - 1	LS	1		-
	Year - 2	LS	1		-
	Year - 3	LS	1		-
	Year - 4	LS	1		-
	Year - 5	LS	1		-
	Total of Schedule 7 (Total of column 6 to be carried forward to Schedule 8: Grand	Summary	<u>()</u>		-

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)

Distribution and Consumer Services Directorate
Planning and Technical Services Department
Promotion of Solar Energy in Rural and Semi Urban Region II Project

The Procurement of utility Scale Ground Mounted Photovoltic Systems, Bid No.: ICB-SEPP-EPC-SOLAR-01/2024-KfW-BMZ-PN511010

Schedule No. 8: Grand Summary

FC: Foreign Currency

S.No.	Description of Items	Total Price	Total Price
		LC Portion	FC Portion
1	2	3	4
	Grand Summary for Gandak 5.8 MW		
Α	Total Schedule No. 1		
В	Total Schedule No. 2		
С	Total Schedule No. 3	Not Ap	plicable
D	Total Schedule No. 4		
Е	Total Schedule No. 5		
F	Total Schedule No. 6		
G	Total Schedule No. 7		
	Grand Total A+B+D+E+F+G		

Name of the Bidder: Signature of the Bidder: (Printed Name) (Designation) (Company Seal)