

Nepal Electricity Authority

(A Government of Nepal Undertaking)

Distribution and Consumer Services Directorate



BIDDING DOCUMENT FOR

*Design, Supply, Installation/Erection, Testing and Commissioning of
11/0.4 kV Distribution System*

Single-Stage, Bidding Procedure

Invitation for Bids No. : GSEEP/W/ICB-3

IDA Cr. : Credit No. 5566-NP
Project Name : Grid Solar and Energy Efficiency Project
Issued on :
Employer : Nepal Electricity Authority
Country : Nepal

PART 3 OF 3

September 2016

The Project Manager
Grid Solar and Energy Efficiency Project
Distribution and Consumer Service Directorate
Nepal Electricity Authority
Nepal
Tel.: +977-1-4153145
Fax.: +977-1-4153146
E-mail: mmddcsd@gmail.com, dmd_dcs@nea.org.np



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Section IV: Price Schedule



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



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE

Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

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

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Country of Origin	Unit	Qty	Unit Price (exclusive of Custom Duty & VAT)		Total Price ¹
					Currency ¹	CIP Site	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)=(5)×(7)
Part A : Equipments							
I)	11 kV Distribution System Expansion						
11-1	Supply and Delivery of Fully Galvanized Steel Pole Structure type (with crossarm channel, bracings, clamps, nutbolts, insulators and hardwares, wire fittings and necessary accessories all complete)						
11--1a	Supply and Delivery of STP 11 meter Pole structures with complete Accessories & Hardwares						
11-1a.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)		Sets	720			
11-1a.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)		Sets	169			
11-1a.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)		Sets	169			
11-1a.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)		Sets	141			
11-1a.5	H Structure (HS) for High Angle Deviation (above 30 deg)		Sets	85			
11-1a.6	Line Tap Off Structure (TO)		Sets	56			
11-1a.7	Dead End Structure (DE)		Sets	71			
11--1b	Supply and Delivery of STP 10 meter Pole structures with complete Accessories & Hardwares						
11-1b.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)		Sets	2882			
11-1b.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)		Sets	678			
11-1b.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)		Sets	678			
11-1b.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)		Sets	565			
11-1b.5	H Structure (HS) for High Angle Deviation (above 30 deg)		Sets	339			
11-1b.6	Line Tap Off Structure (TO)		Sets	226			
11-1b.7	Dead End Structure (DE)		Sets	282			
11--2	Supply and Delivery of ACSR & AAAC Conductor for 11 kV Overhead Line						
11-2.1	100 sq. mm ACSR Conductor (Dog)		R-km	202.2			
11-2.2	50 sq. mm ACSR Conductor (Rabbit)		R-km	707.8			
11-2.3	100 Sq. mm. Covered Conductor (AAAC)		R-km	101.1			
11--3	Supply and Delivery of HV Stay Set with Complete Accessories & Hardwares						
11-3.1	Type A		Sets	3687			
11-3.2	Type B		Sets	597			
11-3.3	Type C		Sets	66			



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE

Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

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

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Country of Origin	Unit	Qty	Unit Price (exclusive of Custom Duty & VAT)		Total Price ¹
					Currency ¹	CIP Site	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (5)×(7)
2	Distribution Transformers						
11/0.4-1	Supply and Delivery of Transformer Structure with Complete Accessories & Hardwares						
11/0.4-1.1	Intermediate Structure		Sets	66			
11/0.4-1.2	Dead End Structure		Sets	154			
11/0.4-2	Supply and Delivery of Distribution Transformers with Accessories and Hardwares						
11/0.4-2.1	11/4 kV, 25 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 40 A, TP-1, 20 A, TP-2 with copper busbar and hardware complete set		Sets	70			
11/0.4-2.2	11/4 kV, 50 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 75 A, TP-1, 40 A, TP-2 with copper busbar and hardware complete set		Sets	92			
11/0.4-2.3	11/4 kV, 100 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 150 A, TP-1, 75 A, TP-2 with copper busbar and hardware complete set		Sets	53			
11/0.4-2.4	11/4 kV, 200 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 300 A, TP-1, 150 A, TP-2 with copper busbar and hardware complete set		Sets	5			



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE

Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

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

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Country of Origin	Unit	Qty	Unit Price (exclusive of Custom Duty & VAT)		Total Price ¹
					Currency ¹	CIP Site	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)= (5)×(7)
3	0.4 kV Distribution System Expansion						
0.4-1	Supply and Delivery of LT Steel Tubular Pole structures (with clamps, nutbolts, insulators and hardwares, wire fittings and necessary accessories all complete)						
0.4-1.1	Type A - Suspension type (0 deviation)		Sets	7717			
0.4-1.2	Type B - Mix type (15 to 60 deviation)		Sets	1029			
0.4-1.3	Type C - Anchor type 2 way		Sets	1929			
0.4-1.4	Type D- Anchor type 3 way, Tee connection		Sets	386			
0.4-1.5	Type E - Anchor type 4 way Junction		Sets	514			
0.4-1.6	Type F - Anchor type Dead End or Tee-off connection		Sets	1286			
0.4-1a	Supply and Delivery of Hardwares for Composite LT Line in HT Poles						
0.4-1a.1	Type A - Suspension type (0 deviation)		Sets	1152			
0.4-1a.2	Type B - Mix type (15 to 60 deviation)		Sets	154			
0.4-1a.3	Type C - Anchor type 2 way		Sets	288			
0.4-1a.4	Type D- Anchor type 3 way, Tee connection		Sets	58			
0.4-1a.5	Type E - Anchor type 4 way Junction		Sets	77			
0.4-1a.6	Type F - Anchor type Dead End or Tee-off connection		Sets	192			
0.4-2	Supply and Delivery of 0.4 kV (LV) ABC Cable						
0.4-2.1	4x95 sq.mm		R-km	152.8			
0.4-2.2	4x50 sq.mm		R-km	366.6			
0.4-2.3	4x25 sq.mm		R-km	91.7			
0.4-3	Supply and Delivery of LV Stay Set With Complete Accessories & Hardwares						
0.4-3.1	Type A		Sets	5221			
0.4-3.2	Type B		Sets	578			
0.4-3.3	Type C		Sets	115			
	Sub Total of Part A, (I), Equipments for 11/0.4 kV Distribution System						
	Total for Schedule No. 1, Plant, Equipments & Spare parts supplied from Abroad (To Schedule No. 5, Grand Summary)						

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

Date :
Place :

Signature : _____
Printed Name : _____
Designation : _____
Common Seal : _____



Schedule No. 2
Plant and Mandatory Spare Parts Supplied within Employer's Country



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 2. Plant and Mandatory Spare Parts Supplied from within Employer's Country

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Unit	Qty	Unit Price CIP Site exclusive of VAT NRs	Total Price exclusive of VAT NRs
(1)	(2)	(3)	(4)	(5)	(6)= (5)×(4)
II)	Part A : Equipments				
1	11 kV Distribution System Expansion				
11-1	Supply and Delivery of Fully Galvanized Steel Pole Structure type (with crossarm channel, bracings, clamps, nutbolts, insulators and hardwares, wire fittings and necessary accessories all complete)				
11--1a	Supply and Delivery of STP 11 meter Pole structures with complete Accessories & Hardwares				
11-1a.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)	Sets	720		
11-1a.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)	Sets	169		
11-1a.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)	Sets	169		
11-1a.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)	Sets	141		
11-1a.5	H Structure (HS) for High Angle Deviation (above 30 deg)	Sets	85		
11-1a.6	Line Tap Off Structure (TO)	Sets	56		
11-1a.7	Dead End Structure (DE)	Sets	71		
11--1b	Supply and Delivery of STP 10 meter Pole structures with complete Accessories & Hardwares				
11-1b.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)	Sets	2882		
11-1b.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)	Sets	678		
11-1b.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)	Sets	678		
11-1b.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)	Sets	565		
11-1b.5	H Structure (HS) for High Angle Deviation (above 30 deg)	Sets	339		
11-1b.6	Line Tap Off Structure (TO)	Sets	226		
11-1b.7	Dead End Structure (DE)	Sets	282		
11-2	Supply and Delivery of ACSR & AAAC Conductor for 11 kV Overhead Line				
11-2.1	100 sq. mm ACSR Conductor (Dog)	R-km	202.2		
11-2.2	50 sq. mm ACSR Conductor (Rabbit)	R-km	707.8		
11-2.3	100 Sq. mm. Covered Conductor (AAAC)	R-km	101.1		



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 2. Plant and Mandatory Spare Parts Supplied from within Employer's Country

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Unit	Qty	Unit Price CIP Site exclusive of VAT NRs	Total Price exclusive of VAT NRs
(1)	(2)	(3)	(4)	(5)	(6)= (5)×(4)
11--3	Supply and Delivery of HV Stab Set with Complete Accessories & Hardwares				
11-3.1	Type A	Sets	3687		
11-3.2	Type B	Sets	597		
11-3.3	Type C	Sets	66		
2	Distribution Transformers				
11/0.4-1	Supply and Delivery of Transformer Structure with Complete Accessories & Hardwares				
11/0.4-1.1	Intermediate Structure	Sets	66		
11/0.4-1.2	Dead End Structure	Sets	154		
11/0.4-2	Supply and Delivery of Distribution Transformers with Accessories and Hardwares				
11/0.4-2.1	11/4 kV, 25 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 40 A, TP-1, 20 A, TP-2 with copper busbar and hardware complete set	Sets	70		
11/0.4-2.2	11/4 kV, 50 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 75 A, TP-1, 40 A, TP-2 with copper busbar and hardware complete set	Sets	92		
11/0.4-2.3	11/4 kV, 100 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 150 A, TP-1, 75 A, TP-2 with copper busbar and hardware complete set	Sets	53		
11/0.4-2.4	11/4 kV, 200 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 300 A, TP-1, 150 A, TP-2 with copper busbar and hardware complete set	Sets	5		



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 2. Plant and Mandatory Spare Parts Supplied from within Employer's Country

Ref. Clause 1.5, Section VI A, Part 2

S.L.	Item Description	Unit	Qty	Unit Price CIP Site exclusive of VAT NRs	Total Price exclusive of VAT NRs
(1)	(2)	(3)	(4)	(5)	(6)= (5)×(4)
3	0.4 kV Distribution System Expansion				
0.4-1	Supply and Delivery of LT Steel Tubular Pole structures (with clamps, nutbolts, insulators and hardware, wire fittings and necessary accessories all complete)				
0.4-1.1	Type A - Suspension type (0 deviation)	Sets	7717		
0.4-1.2	Type B - Mix type (15 to 60 deviation)	Sets	1029		
0.4-1.3	Type C - Anchor type 2 way	Sets	1929		
0.4-1.4	Type D- Anchor type 3 way, Tee connection	Sets	386		
0.4-1.5	Type E - Anchor type 4 way Junction	Sets	514		
0.4-1.6	Type F - Anchor type Dead End or Tee-off connection	Sets	1286		
0.4-1a	Supply and Delivery of Hardwares for Composite LT Line in HT Poles				
0.4-1a.1	Type A - Suspension type (0 deviation)	Sets	1152		
0.4-1a.2	Type B - Mix type (15 to 60 deviation)	Sets	154		
0.4-1a.3	Type C - Anchor type 2 way	Sets	288		
0.4-1a.4	Type D- Anchor type 3 way, Tee connection	Sets	58		
0.4-1a.5	Type E - Anchor type 4 way Junction	Sets	77		
0.4-1a.6	Type F - Anchor type Dead End or Tee-off connection	Sets	192		
0.4-2	Supply and Delivery of 0.4 kV (LV) ABC Cable				
0.4-2.1	4x95 sq.mm	R-km	152.8		
0.4-2.2	4x50 sq.mm	R-km	366.6		
0.4-2.3	4x25 sq.mm	R-km	91.7		
0.4-3	Supply and Delivery of LV Stay Set With Complete Accessories & Hardwares				
0.4-3.1	Type A	Sets	5221		
0.4-3.2	Type B	Sets	578		
0.4-3.3	Type C	Sets	115		
	Sub Total of Part A, (II), Equipments for 11/0.4 kV lines				
	Grand Total for Schedule No. 2, Plant, Equipments & Spare parts supplied from within Employer's Country (To Schedule No. 5, Grand Summary)				

Date :
Place :

Signature : _____
Printed Name : _____
Designation : _____
Common Seal : _____



Schedule No. 3
Design Services



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Schedule No. 3. Design Services

Ref. Clause 1.5, Section VI A, Part 2

The scope of the Contract covers the detail design of the 11/0.4 KV Distribution Lines. The price of the detail design is deemed to have been covered in the prices of the other schedules. So the contractor shall not be required to show the breakdown of the prices in this schedule.

Item	Description	Unit	Qty.	Unit Price ¹		Total Price ¹ (Exclusive of Taxes and VAT)	
				Local Currency Portion	Foreign Currency Portion (optional)	Local Currency Portion	Foreign Currency Portion (Optional)
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)×(5)	(8)=(4)×(6)
1	Pre-Construction Survey, Geographical Mapping, Drawing, Ground profile pole spotting, Preparation of Structure Data Sheet, Single Line Diagram & Initial Bill of Quantity etc.	km	903.0				
2	Preparation of Final as built drawing with Detail Project Completion Report (DPCR).	km	903.0				
Grand Total for Schedule No. 3, Design Services (To Schedule No. 5, Grand Summary)							

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

Date :
Place :

Signature : _____
Printed Name : _____
Designation : _____
Common Seal : _____



Schedule No. 4
Installation and other Services



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 4. Installation and other Services

Ref. Clause 1.5, Section VI A, Part 2

Sl.No.	Item Description	Unit	Qty	Unit Rate		Total Price ¹ (Exclusive of All Taxes and VAT)	
				Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)×(5)	(8)=(4)×(6)
I)	Part A : Installation/Erection						
1	11 kV Distribution System Expansion						
11-1	Installation/Erection of Steel Pole Structure type (with crossarm channel, bracings, clamps, nutbolts, insulators and hardwares, wire fittings and necessary accessories all complete) with Testing & Commissioning						
11--1a	STP 11 meter Pole structures						
11-1a.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)	Sets	720				
11-1a.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)	Sets	169				
11-1a.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)	Sets	169				
11-1a.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)	Sets	141				
11-1a.5	H Structure (HS) for High Angle Deviation (above 30 deg)	Sets	85				
11-1a.6	Line Tap Off Structure (TO)	Sets	56				
11-1a.7	Dead End Structure (DE)	Sets	71				
11--1b	STP 10 meter Pole structures						
11-1b.1	Single Pole Single Arm Structure (SPSA) for No deviation (0 to 7 deg)	Sets	2882				
11-1b.2	Single Pole Double Arm Structure (SPDA) for Low Angle Deviation (8 to 15 deg)	Sets	678				
11-1b.3	Single Pole Double Dead End Structure (SPDDE) for Low Angle Deviation (0 to 15 deg)	Sets	678				
11-1b.4	Double Pole Double Arm Structure (DPDA) for Medium Angle Deviation (15 to 30 deg)	Sets	565				
11-1b.5	H Structure (HS) for High Angle Deviation (above 30 deg)	Sets	339				
11-1b.6	Line Tap Off Structure (TO)	Sets	226				
11-1b.7	Dead End Structure (DE)	Sets	282				
11--2	Installation/Stringing, Testing & Commissioning of ACSR & AAAC Conductors for 11 kV Overhead Line						
11-2.1	100 sq. mm ACSR Conductor (Dog)	R-km	202.2				
11-2.2	50 sq. mm ACSR Conductor (Rabbit)	R-km	707.8				
11-2.3	100 Sq. mm. Covered Conductor (AAAC)	R-km	101.1				



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 4. Installation and other Services

Ref. Clause 1.5, Section VI A, Part 2

Sl.No.	Item Description	Unit	Qty	Unit Rate		Total Price ¹ (Exclusive of All Taxes and VAT)	
				Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)×(5)	(8)=(4)×(6)
11--3	Installation/Erection of HV Stay Set with Complete Accessories & Hardwares						
11-3.1	Type A	Sets	3687				
11-3.2	Type B	Sets	597				
11-3.3	Type C	Sets	66				
2	Distribution Transformers						
11/0.4-1	Installation, Testing & Commissioning of Transformer Structure with Complete Accessories & Hardware and PCC works in Bottom of Poles.						
11/0.4-1.1	Intermediate Structure	Sets	66				
11/0.4-1.2	Dead End Structure	Sets	154				
11/0.4-2	Installation/Erection of Distribution Transformer with Accessories & Hardwares and Testing & Commissioning Work complete						
11/0.4-2.1	11/4 kV, 25 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 40 A,TP-1, 20 A,TP-2 with copper busbar and hardware complete set	Sets	70				
11/0.4-2.2	11/4 kV, 50 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 75 A,TP-1, 40 A,TP-2 with copper busbar and hardware complete set	Sets	92				
11/0.4-2.3	11/4 kV, 100 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 150 A,TP-1, 75 A,TP-2 with copper busbar and hardware complete set	Sets	53				
11/0.4-2.4	11/4 kV, 200 kVA Transformer with 3 nos. of Lightning Arrester, 3 nos. of Dropout Fuse Cutout & Fuse Links and 1 Set of Outdoor Distribution Panel Board with 300 A,TP-1, 150 A,TP-2 with copper busbar and hardware complete set	Sets	5				



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 4. Installation and other Services

Ref. Clause 1.5, Section VI A, Part 2

Sl.No.	Item Description	Unit	Qty	Unit Rate		Total Price ¹ (Exclusive of All Taxes and VAT)	
				Foreign Currency Portion	Local Currency Portion	Foreign Currency Portion	Local Currency Portion
(1)	(2)	(3)	(4)	(5)	(6)	(7)=(4)×(5)	(8)=(4)×(6)
3	<u>0.4 kV Distribution System Expansion.</u>						
0.4-1	Installation/Erection of LT Steel Tubular Pole structures (with clamps, nutbolts, insulators and hardwares, wire fittings and necessary accessories all complete) with Testing & Commissioning						
0.4-1.1	Type A - Suspension type (0 deviation)	Sets	7717				
0.4-1.2	Type B - Mix type (15 to 60 deviation)	Sets	1029				
0.4-1.3	Type C - Anchor type 2 way	Sets	1929				
0.4-1.4	Type D- Anchor type 3 way, Tee connection	Sets	386				
0.4-1.5	Type E - Anchor type 4 way Junction	Sets	514				
0.4-1.6	Type F - Anchor type Dead End or Tee-off connection	Sets	1286				
0.4-2	Installation/Stringing, Testing & Commissioning of 0.4 kV (LV) ABC Cables						
0.4-2.1	4x95 sq.mm	R-km	152.8				
0.4-2.2	4x50 sq.mm	R-km	366.6				
0.4-2.3	4x25 sq.mm	R-km	91.7				
0.4-3	Installation/Erection of LV Stay Set with Complete Accessories & Hardwares						
0.4-3.1	Type A	Sets	5221				
0.4-3.2	Type B	Sets	578				
0.4-3.3	Type C	Sets	115				
	Sub Total of Part-A, (I), Installation/Erection Charges for 11/0.4 kV lines						
	Grand Total for Schedule No. 4, Installation and other services (To Schedule No. 5, Grand Summary)						

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

Date :
Place :

Signature : _____
Printed Name : _____
Designation : _____
Common Seal : _____



Schedule No. 5
Grand Summary (Schedule Nos. 1 to 4)



NEPAL ELECTRICITY AUTHORITY
DISTRIBUTION AND CONSUMER SERVICES DIRECTORATE
Grid Solar and Energy Efficiency Project

Tender No. : GSEEP/ICB/W-03, Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

Schedules of Rates and Prices

Bidder's Name & Address :

Schedule No. 5. Grand Summary (Schedule Nos. 1 to 4)

Item	Description	Total Price ¹ (Exclusive of Taxes and VAT)	
		Foreign Currency Portion	Local Currency Portion
(1)	(2)	(3)	(4)
1	Total of Schedule No. 1. Plant, Equipment, and Mandatory Spare Parts Supplied from Abroad		
2	Total of Schedule No. 2. Plant, Equipment, and Mandatory Spare Parts Supplied from Within the Employer's Country		
3	Total of Schedule No. 3. Design Services		
4	Total of Schedule No. 4. Installation and Other Services		
Grand Total for Schedule No. 5 excluding Custom Duty Taxes and VAT(to Bid			

¹ Specify currency in accordance with specifications in Bid Data Sheet.

Date :

Place :

Signature : _____

Printed Name : _____

Designation : _____

Common Seal : _____



Schedule No. 6

Unit Prices of Materials, Installation and Structure



Nepal Electricity Authority
Distribution and Consumer Services Directorate
Grid Solar and Energy Efficiency Project

(The Bidder shall Quote the Unit Price of Material)

Package :GSEEP/W/ICR-03: Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

S. No.	Description of Goods	Unit	Rate (USD); Excluding Custom Duty and VAT)
1	HV/LV Poles		
A	Steel Tubular Poles		
a	11 m Steel Tubular Poles (410 SP-52)	USD/No.	
b	10 m Steel Tubular Poles (410 SP-43)	USD/No.	
c	9 m Steel Tubular Poles (410 SP-31)	USD/No.	
d	8 m Steel Tubular Poles (410 SP-13)	USD/No.	
B	PSC Poles		
a	11 m PSC Pole	USD/No.	
b	9 m PSC Pole	USD/No.	
c	8 m PSC Pole	USD/No.	
2	HV/LV Conductors and Cables		
a	100 sq. mm ACSR Conductor (Dog)	USD/km	
b	50 sq. mm ACSR Conductor (Rabbit)	USD/km	
c	30 sq mm ACSR Conductor (Weasel)	USD/km	
d	4x95 sq. mm ABC Cable	USD/km	
e	4x50 sq. mm ABC Cable	USD/km	
f	4x25 sq. mm ABC Cable	USD/km	
g	120 Sq. mm. Covered Conductor	USD/km	
h	100 Sq. mm. Covered Conductor	USD/km	
i	95 sq. mm 4 Core Unarmoured Aluminium Power Cable (600 V)	USD/m	
3	Distribution Transformers		
a	11/0.4 kV, 25 kVA	USD/No.	
b	11/0.4 kV, 50 kVA	USD/No.	
c	11/0.4 kV, 100 kVA	USD/No.	
d	11/0.4 kV, 200 kVA	USD/No.	
4	Accessories for Cables		
A	LV ACSR Conductor Accessories		
i	D-iron Set with Shackle Insulator complete	USD/set	
ii	Half Threaded Bolts With Suitable Nuts and Washers		
a	16x203 mm	USD/No.	
b	16x305 mm	USD/No.	
B	LV ABC Cable Accessories		
i	Anchor Clamp		
a	4x95 sq. mm	USD/No.	
ii	Suspension Clamp		
a	4x95 sq. mm	USD/No.	
iii	Insulated Piercing Connectors		
a	25-95 sqmm main- 25-95 sqmm Tap	USD/No.	
b	25-95 sqmm main- 4-25 sqmm Tap	USD/No.	
iv	Jointing Sleeves		
	for 95 sq. mm. ABC Cable	USD/No.	
v	Insulated Cable End Cap		
	Insulated Cable Caps for 95 sq. mm.	USD/No.	



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S. No.	Description of Goods	Unit	Rate (USD); Excluding Custom Duty and VAT)
vi	Pigtail with Hexagonal Nuts and Washers, 16x203 mm	USD/No.	
vii	Eye Nut	USD/No.	
viii	Core Separator	USD/No.	
ix	Insulated Spanner Suitable for IPCs	USD/No.	
C Binding Wire for ACSR conductor per km			
i	for 0.100 sq. inch (Dog)	USD	
ii	for 0.05 sq. inch (Rabbit)	USD	
iii	for 0.03 sq. inch (Weasel)	USD	
5 Insulators and Hardware			
a	11 kV Disc Insulator	USD/No.	
b	11 kV Pin Insulator with Spindle	USD	
c	Tension Set and Assemblies for 11 kV Disc Insulator	USD	
d	HT Stay Insulator	USD/No.	
e	LT Stay Insulator	USD/No.	
6 Stay, Fasteners and Connectors			
A Stay Set			
a	16 mm dia 1.5 m length for LT	USD/No.	
b	16 mm dia 1.8 m length for HT	USD/set	
B Stay Wire			
a	7/12 SWG	USD/m	
b	7/10 SWG	USD/m	
C Preformed Wire for Stay Set			
a	Suitable For 7/12 SWG	USD/No.	
b	Suitable For 7/10 SWG	USD/No.	
D Clamps For Stay Set			
a	Type (TC6) for HT Stay	USD/set	
b	Type (TC8) for LV Stay	USD/set	
c	Type (PC6) for HT Stay	USD/set	
d	Type (PC8) for LV Stay	USD/set	
E Twisted Double Eye For Stay Set			
F Bolts With Suitable Nuts and Washers			
a	13x51 mm	USD/set	
b	16x203 mm	USD/set	
c	16x305 mm	USD/set	
G Double Arming Bolts With Suitable Nuts and Washers			
a	16x305 mm	USD/set	
H Earthing Sets (16mm Copper Clad)			
I UNIVERSAL PG CLAMP			
J PIN INSULATORS TIES:-			
i) 11kV pin insulator top tie:			
	i.) 100 mm ²	USD/No.	
ii) 11 kV pin insulator side tie:			
	i.) 100 mm ²	USD/No.	



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S. No.	Description of Goods	Unit	Rate (USD); Excluding Custom Duty and VAT)
iii)	33 kV pin insulator top tie:		
	i.) 100 mm2	USD/No.	
iv)	33 kV pin insulator side tie:		
	i.) 100 mm2	USD/No.	
K	COMPRESSION CONNECTORS:-		
j)	Full Tension:		
	i.) 100 mm2	USD/No.	
ii)	Repair:		
	i.) 100 mm2	USD/No.	
7	Crossarms and Platforms		
A	Crossarm Channels		
a	100x50x6.4x5x300 mm	USD/set	
b	100x50x6.4x5x1200 mm	USD/set	
c	100x50x6.4x5x2348 mm	USD/set	
d	100x50x6.4x5x2390 mm	USD/set	
e	100x50x7.5x5x300 mm	USD/set	
f	100x50x7.5x5x1900 mm	USD/set	
g	100x50x7.5x5x 3300 mm	USD/set	
B	Crossarm Brace		
a	Flat Cross-arm Brace		
a	40 x 6 x 660 mm	USD/set	
b	40 x 6 x 760 mm	USD/set	
b	H-Pole Bracing Angle		
a	40x 40x 5x 2071 mm	USD/set	
b	40x 40x 5x2723 mm	USD/set	
c	40 x 40 x 5 x 2416 mm	USD/set	
d	40 x 40 x 5 x 2868 mm	USD/set	
c	Strap for Insulator String		
a	50x6x396 mm	USD/set	
b	50x6x404 mm	USD/set	
C	Transformer Platform Complete		
a	Steel Tubular Pole Structure	USD/set	
b	PSC Pole Structure	USD/set	
D	Pole Clamps Complete With Nuts Bolts and Washers :-		
a	Semi-Circular		
	Type (TC ₁) for top cross arm	USD/set	
	Type (TC ₂) for main cross arm	USD/set	
	Type (TC ₄) for top H bracing	USD/set	
	Type (TC ₅) for bottom H bracing	USD/set	
b	Rectangle		
	Type (PC ₁) for top cross arm	USD/set	
	Type (PC ₂) for main cross arm	USD/set	
	Type (PC ₄) for top H bracing	USD/set	



[Handwritten Signature]

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Package :GSEEP/W/ICR-03: Design, Supply, Installation/Erection, Testing and Commissioning of 11/0.4 kV Distribution System

S. No.	Description of Goods	Unit	Rate (USD); Excluding Custom Duty and VAT)
	Type (PC ₅) for bottom H bracing	USD/set	
E	I- BRACKET (50*50*6*300*1200*300mm) for LT with POLE CLAMP & SUITABLE NUT BOLTS	USD/set	
8	Switches, Cutouts, Lightning Arrester and Panelboard		
A	Switches, Cutouts and Lightning Arrester		
a	DO Fuse Set (11 kV)	USD/set	
b	Lightning Arrester (9 kV)	USD/set	
c	Fuse links		
i	1.3 A	USD/No.	
ii	2.5 A	USD/No.	
iii	5 A	USD/No.	
iv	10 A	USD/No.	
d	Air Load Break Switch (11 kV)	USD/set	
B	Panelboard		
a	Outdoor Distribution Panel Board with 40 A, TP-1, 20 A, TP-2 with copper busbar and hardware complete set for 25 kVA Transformer	USD/set	
b	Outdoor Distribution Panel Board with 75 A, TP-1, 40 A, TP-2 with copper busbar and hardware complete set for 50 kVA Transformer	USD/set	
c	Outdoor Distribution Panel Board with 150 A, TP-1, 75 A, TP-2 with copper busbar and hardware complete set for 100 kVA Transformer	USD/set	
d	Outdoor Distribution Panel Board with 300 A, TP-1, 150 A, TP-2 with copper busbar and hardware complete set for 200 kVA Transformer	USD/set	

